December 2020 | Preliminary Environmental Assessment Report

Proposed Preserve #2 Elementary School

for Chino Valley Unified School District

Prepared for:

Chino Valley Unified School District
Contact: Gregory J. Stachura, Assistant Superintendent
Facilities, Planning & Operations Division
5130 Riverside Drive
Chino, CA 91710

Project Number:
CVUS-06.0

Prepared by:

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PLACEWORKS

December 22, 2020

Johnson Abraham
Project Manager
Department of Toxic Substances Control (DTSC)
5796 Cypress Avenue
Cypress, CA 90630

Subject: Preliminary Environmental Assessment Chino Valley USD Preserve #2 School

Dear Mr. Johnson:

Enclosed please find the draft Preliminary Environmental Assessment for the proposed 12-acre elementary school site for Chino Valley Unified School District. PlaceWorks is submitting the draft Preliminary Environmental Assessment on behalf of Chino Valley Unified School District to the Department of Toxic Substances Control as part of the ongoing assessment of the proposed new school site. The school site is identified with DTSC EnviroStor Number 60002886.

Sincerely,

PLACEWORKS

Denise Clendening, Ph.D.
Associate Principal

Michael Watson, PG 8177
Project Geologist

PROFESSIONAL GEOLOGIST
Michael James Watson
NO. 8177
Exp 6-30-21
STATE OF CALIFORNIA

Enclosures

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Executive Summary

This Preliminary Environmental Assessment (PEA) Report for the proposed construction of an elementary school in the city of Chino, San Bernardino County, California, was prepared by PlaceWorks on behalf of the Chino Valley Unified School District (District) pursuant to the California Education Code which requires that all new school sites or existing school sites with new construction obtain a "No Further Action" (NFA) determination from the California Environmental Protection Agency Department of Toxic Substances Control (DTSC) prior to proceeding with acquisition and/or construction of a school. The District proposes to build a new elementary school within the Preserve Residential Development in Chino, California.

A PEA Workplan was submitted to the DTSC in January 2020 and comments were received on March 23, 2020. The revised PEA Workplan included the revisions based on the DTSC comments and was also revised based on the rough grading plans that the developer planned on implementing prior to turning the site over to the District. Lewis Management Group removed 144,722 cubic yards of soil from the site prior to the implementation of the sampling. The stockpiled soil was removed in September and October 2020. Lewis Management Group had been using the site to stockpile soil and temporary park heavy equipment used in grading activities for the surrounding new community. The heavy equipment was parked on top of the fill material that had been located on the site.

The project site is approximately 12-acres and is associated with the assessor parcel number (APN) 1057-181-350000. The project site is currently vacant undeveloped property within the Preserve Residential Development. The project site is bounded by vacant land to the north, west, and south and to the east is East Preserve Loop and across the street is a residential development (Figure 1). Figure 2 shows the local vicinity of the proposed school site. Figure 3 is an aerial photograph showing site conditions prior to grading.

The project site was historically occupied by row crops from at least 1966 until 1985 and after 1985 the project site was part of an Alta Dena Dairy Farm (associated with the address 8545 Pine Avenue) until around 2009. The project site was then left vacant and undeveloped after 2009 and was then used by Lewis Management Group to stockpile soil and park heavy equipment. Prior to sampling, the fill material was removed by Lewis Management Group.

The District has decided to complete a PEA for the following reasons:

- The possibility of residual pesticides in the soil due to historical agricultural use of the site from approximately 1931 to 1985.
- Evaluate if there are any impacts to the project site from its historically being part of a dairy farm from approximately 1985 until at least 2009.
- Evaluate if there are any impacts from the former fill material.

Executive Summary

Based on information developed during the PEA using the DTSC's PEA Guidance Manual, the DTSC will then make an informed decision regarding potential risks posed by the site.

The field sampling program implemented for the investigation is summarized below:

- Soil sampling and soil vapor probes were installed at the site on November 5, 2020 for the PEA. Soil gas samples were collected on November 6, 2020.
- Forty-four (44) discrete soil samples plus 3 duplicates were collected.
- Sixteen (16) discrete soil gas samples were collected.
- Two 3:1 composite samples, four 4:1 composite samples, and one 3:1 composite sample duplicate were collected from two depths and analyzed for organochlorine pesticides (OCPs) by EPA Method 8081A to assess for potential residual OCPs from historic agricultural operations. Half of the samples collected for OCP analysis were from 0 to 0.5 feet bgs and the other half were collected from 2 to 2.5 feet bgs.
- Four soil samples plus one duplicate sample from 0 to 0.5 feet bgs were analyzed for Total Petroleum Hydrocarbons (TPH) by EPA Method 8015 to assess the historic agriculture.
- Six soil samples plus one duplicate from 0 to 0.5 feet bgs were analyzed for arsenic by EPA Method 6010B to assess the historic agriculture.
- Sixteen soil gas samples were analyzed from eight locations at two depths, 5 and 15 feet bgs. All soil gas samples were analyzed in the field with a FID and two soil gas samples were submitted to a laboratory for methane analysis by ASTM D1946.

The results of the field program are summarized below:

- Fill material was not encountered in any of the borings at the site.
- Two OCPs (4,4'-DDE and dieldrin) were detected in the composite soil samples. All OCP concentrations were below residential screening levels adjusted for the number of samples that comprised the composite.
- TPH were not detected above the laboratory detection limits in the four soil samples and one duplicate soil sample analyzed.
- Arsenic was not detected above the laboratory detection limits in the six soil samples and one duplicate soil sample analyzed.

- Methane was detected in one soil gas sample in the field collected from 5.0 feet bgs at a low concentration of 22.0 parts per million volume (ppmv).
- The human health risk screening showed that chemical concentrations would not be a risk to human health or the environment under an unrestricted residential land use scenario.
- Laboratory data obtained were validated to assure that Data Quality Objectives (DQOs) were met, and the data were suitable for use in a human health and ecological screening evaluation.

Recommendations

The results of the PEA support the following conclusions and recommendations:

Based on the PEA objectives, the environmental quality goals of the District, and the results of the PEA investigation, PlaceWorks has determined that no further assessment is required for the site. Therefore, PlaceWorks recommends that the PEA be finalized. Per California Education Code Section 17213.1, Section 3, PlaceWorks concludes that further assessment of the site is not necessary and is requesting an approval of the PEA.

Executive Summary

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1. Introduction

This Preliminary Environmental Assessment (PEA) Report for the proposed construction of an elementary school in the city of Chino, San Bernardino County, California, was prepared by PlaceWorks on behalf of the Chino Valley Unified School District (District) pursuant to the California Education Code which requires that all new school sites or existing school sites with new construction obtain a "No Further Action" (NFA) determination from the California Environmental Protection Agency Department of Toxic Substances Control (DTSC) prior to proceeding with acquisition and/or construction of a school. The District proposes to build a new elementary school within the Preserve Residential Development in Chino, California.

The 12-acre project site is located on assessor parcel number (APN) 1057-181-350000. The project site is currently vacant undeveloped property within the Preserve Residential Development. The project site is bounded by vacant land to the north, west, and south and to the east is East Preserve Loop and across the street is a new residential development (Figure 1). Figure 2 shows the local vicinity of the proposed school site. Figure 3 is an aerial photograph showing site conditions prior to grading and project site boundaries.

Based on a review of historical aerial photographs and topographic maps, the project site had been utilized for row crop agriculture from at least 1931 until 1985 and after 1985 the project site was a portion of an Alta Dena Dairy Farm at 8545 Pine Avenue until around 2009. The project site was then left vacant and undeveloped after 2009 and was then used by Lewis Management Group to stockpile soil and park heavy equipment used for grading in the new Preserve residential development. This PEA was prepared in accordance with the guidelines of the California Environmental Protection Agency Department of Toxic Substances Control (DTSC), as detailed in the PEA Guidance Manual.

1.1 PEA OBJECTIVES

The District has prepared this PEA pursuant to the California Education Code that requires the completion of a Phase I Environmental Site Assessment (Phase I) or PEA, for all new school sites that will receive state funding prior to proceeding with construction of a school.

The overall objectives of this PEA are to:

- Evaluate historical information for indications of the past use, storage, disposal, or release of hazardous waste/substances at the site;
- Evaluate available information for indications of naturally occurring hazardous materials at the site.
- Establish through a field sampling and analysis program the nature of hazardous wastes/substances that may be present in soil at the site, their concentration and general extent; and

- Estimate the potential threat to public health and/or the environment posed by hazardous constituents, if any, at the site using a residential land-use scenario.

Based on information developed during the PEA and the conservative human and ecological risk evaluation set forth in the DTSC's Preliminary Endangerment Assessment Guidance Manual, the DTSC will then make an informed decision regarding potential risks posed by the site.

Possible outcomes of the PEA decision include, but are not limited to, the requirement for further investigation through the Supplemental Site Investigation process if the site is found to be significantly impacted by hazardous substances release(s); the need to perform a Removal Action if localized impacts by hazardous substances release(s) are found; implementation of mitigation actions to address any potential risks; and an issuance of a "No Further Action" (NFA) finding if the site is found not to be significantly impacted and risks to human health and the environment are found to be within acceptable levels based on the conservative screening-level risk assessment.

1.2 SCOPE OF WORK

The scope of work implemented to prepare this PEA included:

- Researching available site background information regarding former and current land use;
- Implementing field and laboratory data collection and evaluation to further assess environmental conditions at the site; and
- Preparing this PEA report.

Several information sources were reviewed as part of the background research for development of this PEA report. These sources were reviewed to develop an understanding of current and past land uses and practices that may have involved the handling, use, storage, and/or disposal of hazardous substances or wastes. Information was obtained and used to develop a general site history in an attempt to identify potential sources of chemical impact, if any.

The approach utilized to perform the background research is very similar to that used in completing a Phase I under the American Society for Testing and Materials (ASTM) Practice for Environmental Site Assessments (ESAs): Phase I Assessments Process (ASTM Standard E 1527-13). Specific sources of information reviewed, and activities performed by PlaceWorks in conducting the background research included:

- Site inspections and observations of the site and surrounding area within ¼-mile (site photographs are included in Appendix A);
- Review of available aerial photographs (included in Appendix B);
- Review of current U.S. Geological Survey (USGS) 7.5-minute topographic maps (included in Appendix B);

- Evaluation of environmental database list searches (included in Appendix C);
- Review of agency files at federal, state and local regulatory agencies and offices for the site;
- Review of agency files for listed facilities within ¼-mile of the site that were identified as having a potential to have impacted the site (included in Appendix C);
- Interviews with persons knowledgeable of site history and operations; and
- Collection and review of available applicable information from the District's files.

The scope for the field and laboratory investigation is discussed in Section 6. The field sampling program implemented for the investigation is summarized below:

- Soil sampling and soil vapor probes were installed at the site on November 5, 2020 for the PEA. Soil gas samples were collected on November 6, 2020.
- Forty-four (44) discrete soil samples plus 3 duplicates were collected.
- Sixteen (16) discrete soil gas samples were collected.
- Two 3:1 composite samples, four 4:1 composite samples, and one 3:1 composite sample duplicate were collected from two depths and analyzed for organochlorine pesticides (OCPs) by EPA Method 8081A to assess for potential residual OCPs from historic agricultural operations. Half of the samples collected for OCP analysis were from 0 to 0.5 feet bgs and the other half were collected from 2 to 2.5 feet bgs.
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The results of the field program are summarized below:

- Two OCPs were detected in the composite soil samples (4,4'-DDE and dieldrin). All concentrations detected of the two OCPs were below residential screening levels adjusted for the number of samples that comprised the composite.

- Total Petroleum Hydrocarbons (TPH) were not detected above the laboratory detection limits in the four soil samples and one duplicate soil sample analyzed.
- Arsenic was not detected above the laboratory detection limits in the six soil samples and one duplicate soil sample analyzed.
- Methane was detected in one sample at 5.0 feet bgs at 22.0 ppmv, below the level of concern of 5,000 ppmv.
- The human health risk screening showed that chemical concentrations would not be a risk to human health or the environment under an unrestricted residential land use scenario.
- Laboratory data obtained were validated to assure that Data Quality Objectives (DQOs) were met, and the data were suitable for use in a human health and ecological screening evaluation.

1.3 PEA REPORT FORMAT

This PEA Report is organized in general accordance with the format presented in Chapter 3 of the DTSC's PEA Guidance Manual. This PEA Report contains the following sections:

- Section 1 presents an Introduction and Summary of PEA Objectives and PEA Report Format;
- Section 2 presents a Site Description of the proposed site;
- Section 3 includes Site History and Background Information;
- Section 4 defines the Apparent Problem;
- Section 5 contains a description of the Site Environmental Setting;
- Section 6 presents a discussion of Sampling Activities and Results;
- Section 7 includes the Human Health Screening Evaluation Statement;
- Section 8 presents the Ecological Screening Evaluation Statement;
- Section 9 includes a summary of Quality Assurance Project Plan (QAPP) measures;
- Section 10 describes Health and Safety Plan (HASP) implementation;
- Section 11 summarizes variances from the proposed sampling plan;

- Section 12 presents a discussion of Applicable or Relevant Laws and Regulation Pertaining to School Sites;
- Section 13 presents Conclusions and Recommendations of the PEA; and
- Section 14 lists References cited in the document.

The appendices to this PEA Report include:

Appendix A – Site Photographs;

Appendix B – Research Documentation;

Appendix C – Environmental Database Search Report;

Appendix D – Health and Safety Plan;

Appendix E – Laboratory Reports;

Appendix F – QAPP

Appendix G – Boring Log

1. Introduction

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2. Site Description

This section describes the location and ownership of the site as well as other pertinent details required by DTSC regarding the specifics of the site description. The project site is approximately 12-acre area of vacant undeveloped land within the Preserve Residential Development located in south Chino. The site has recently been graded by Lewis Management Group removing 144,722 cubic yards of stockpile soil temporarily placed on the site during grading activities of the surrounding master planned community. The project site is located within Section 33 of Township 2 South, Range 7 West of the San Bernardino Base Line and Meridian.

To the north of the project site is a dairy. Residential developments are to the northeast and east. Southeast, south, southwest, and west of the project site is more undeveloped vacant land. Additionally, the project site is approximately 2.36-miles northeast of the 71 Freeway. Figure 1, *Regional Location*, provides a map depicting the regional location of the project site. Figure 2, Local Vicinity, is a map of the surrounding area. Figure 3 is an aerial photograph of the proposed project site showing the school site and proposed project site boundaries.

2.1 DESCRIPTION AND LOCATION

2.1.1 Site Name

The project site has been identified by the District as the proposed Preserve Elementary School. The project site had been used for row crops from approximately 1966 to about 1985. After 1985, the project site was used for a dairy until at least 2009. The proposed project site currently consists of vacant land next to new Lewis Homes.

2.1.2 Site Address

The project site does not have a reported address. The project site is located at the southwest corner of the intersection of E. Preserve Loop and Market Street in the Preserve Residential Development in Chino, San Bernardino County, California (Figure 1). Figure 2, *Local Vicinity*, provides a map depicting the general location of the project, which is identified with the Assessor's Parcel Number [APN] 1057-181-350000.

2.1.3 Designated Contact Person

Gregory J. Stachura is the Contact Person designated by the District.

2.1.4 Mailing Address

The mailing address for the project designated by the District is:

Chino Valley Unified School District
5130 Riverside Drive

2. Site Description

Chino, CA 91710

2.1.5 Other Site Names

No other site names were identified for the proposed school site.

2.1.6 U.S. Environmental Protection Agency (USEPA) Identification Number

The project site does not have a USEPA identification number.

2.1.7 EnviroStor Database Number

The project site EnviroStor database number is 60002886.

2.1.8 Assessor's Parcel Number(s)

The school site is located within the Assessor Parcel Number [APN] 1057-181-350000.

2.1.9 Site Maps and Photographs

A vicinity map depicting the project site and surrounding area is included as Figures 1 and 2, respectively. Project boundaries are shown in Figures 3 and 4. Site photographs are included in Appendix A.

3. Site History and Background Information

3.1 CURRENT AND HISTORICAL LAND USES

3.1.1 Facility Ownership/Operators

Chino Holding Company, LLC owns the project site.

3.1.2 Business Type

The project site had been utilized for agricultural purposes from at least 1931 to around 1985. From 1985 to the 2009, the project site was part of a dairy farm.

3.1.3 Years of Operation

Based on a review of historical aerial photographs, the project site was used for agricultural purposes from at least 1966 to around 1985. From 1985 until at least 2009 the project site is a portion of the Alta Dena Dairy Farm at 8545 Pine Avenue. The proposed project site currently consists of vacant land that was recently rough graded to remove soil stockpiled that was temporarily placed on the site by Lewis Development Group from grading of the surrounding area for residential tracks.

3.1.4 Business/Manufacturing Activities

Based on a review of historical documents, no manufacturing activities have occurred on the project site. The proposed project site currently consists of vacant land.

3.2 SURROUNDING PROPERTY LAND USES

The surrounding property is in a rural area with expanding multifamily residential. The adjoining land uses are as follows:

North: Vacant land followed by Pine Avenue then a dairy.

South: Vacant land.

East: New residential development.

West: Vacant land.

Section 17213 of the California Education Code and Section 21151.8 of the California Public Resources Code prohibit construction of a school upon a current or former hazardous waste disposal site or solid waste disposal

site. Based on information reviewed for preparation of this PEA Report, the proposed school site is not located on a current or former disposal site.

3.3 PAST USAGE OF THE SITE

Past usage of the site was assessed through a review of aerial photographs and topographic maps. Copies of the aerial photographs and topographic maps are included in Appendix B. Based on a review of aerial photographs and historical topographic maps the project site was used for row crops from approximately 1966 to about 1985. The project site was part of a dairy from approximately 1985 until at least 2009. The proposed project site currently consists of vacant land that was recently graded to remove all stockpiled soil from the site. Lewis Management Group temporarily placed fill at the site while grading the surrounding master planned community. Six to nine feet of fill were placed on the eastern side of the site where Lewis Management Group parked heavy equipment used for grading activities. At the time of the site visit all fill material had been removed from the site and the site was vacant and fenced with no structures or vehicles parked on the site.

3.3.1 Aerial Photographs

Aerial photographs, obtained from EDR, dated 1931, 1938, 1946, 1948, 1953, 1966, 1975, 1985, 1989, 1990, 1994, 2006, 2009, 2012, and 2016 were reviewed for the project site. Copies of the aerial photographs are included in Appendix B.

- 1931 – The project site appears to have irrigated row crop agriculture on the north eastern side of the project site. Pastureland is on the western side of the project site. There appears to be a fence running in a north south direction through the middle of the site. Surrounding the project site is rural residential and agriculture.

- 1938 – The project site appears to be all pastureland.

- 1946 – The project site and surrounding areas appear relatively unchanged in comparison to the 1938 aerial photograph.

- 1948 – The project site appears to have crops on the northwest corner of the site and pastureland on the eastern area of the site.

- 1953 – The project site appears to be used for grain crops. There is more development to the northwest.

- 1966 – The project site appears to have irrigated row crop agriculture on the eastern side of the project site. Pastureland is on the western side of the project site. Surrounding the project site is rural residential and agriculture.

- 1975 – The project site appears relatively unchanged in comparison to the 1966 aerial photograph. Development appears to be going in north of the project site. The surrounding area is still predominately rural residential and agriculture.

- 1985 – The project area is now part of a dairy. Dairies are north and east of the project site.

- 1989 – The project site and surrounding area appears relatively unchanged in comparison to the 1985 aerial photograph.

- 1990 – The project site and surrounding area appears relatively unchanged in comparison to the 1989 aerial photograph.

- 1994 – The project site and surrounding area appears relatively unchanged in comparison to the 1990 aerial photograph.

- 2006 – The project site and surrounding area appears relatively unchanged in comparison to the 1994 aerial photograph.

- 2009 – The project site and surrounding area appears relatively unchanged in comparison to the 2006 aerial photograph.

- 2012 – The project site and the immediate surrounding area appears to now be vacant land.

- 2016 – The project site appears relatively unchanged in comparison to the 2012 aerial photograph. Residential developments are located to the northeast of the project site.

3.3.2 Historical Topographic Maps

Historical topographic maps, obtained from EDR dated 1902, 1933, 1941, 1942, 1947, 1949, 1967, 1973, 1981, and 2012 were reviewed for the project site. Copies of the topographic maps are included in Appendix B.

- 1902 – The project site appears to be vacant undeveloped property. There are sparse structures in the surrounding area.

- 1933 – The project site is on an unmapped portion of the topographic map.

- 1941 – The project site is on an unmapped portion of the topographic map.

- 1942 – The project site appears to be vacant undeveloped property. There are more structures marked in the surrounding area.

- 1947 – The project site and surrounding area appears relatively unchanged in comparison to the 1942 topographic map.

- 1949 – The project site is on an unmapped portion of the topographic map.
- 1967 – The project site appears to be vacant undeveloped property. The California Institution for Women is marked southwest of the project site.
- 1973 – The project site appears relatively unchanged in comparison to the 1967 topographic map. There are more structures and developments marked in the surrounding area.
- 1981 – The project site and surrounding area appears relatively unchanged in comparison to the 1973 topographic map.
- 2012 – No structures are depicted in current topographic maps, only streets are labeled, and the topography shown.

3.3.3 Sanborn Maps

Sanborn maps were searched for the property, but it is an unmapped property. A copy of the Certified Sanborn Map Report is included in Appendix B.

3.3.4 City Directory

EDR provided an EDR-City Directory of the project site and surrounding area. A copy of the EDR-City Directory is in Appendix B. City Directory data was searched for the years spanning from 1922 to 2014. The project site and surrounding area were not identified in the city directory database search.

3.4 PAST USAGE OF ADJOINING PROPERTIES

Past usage of the adjoining properties was assessed through a review of aerial photographs and historical topographic maps. Copies of historical references reviewed are included in Appendix B. Based on a review of aerial photographs and historical topographic maps, adjoining properties have been utilized for agricultural dairy purposes.

The project site is in the Preserve development and construction in the surrounding areas started in the last few years. The area to the east and northeast have been recently developed with new single-family residential homes. After the area is development the proposed school site will be surrounded by residential uses to the north, east, and south; a community park to the west; and community commercial uses to the northwest

3.5 HAZARDOUS SUBSTANCE/WASTE MANAGEMENT INFORMATION

3.5.1 Records Review

3.5.1.1 SITE OWNER/OPERATOR RECORDS

Site owner/operator records were not reviewed.

3.6 STATE OF CALIFORNIA DIVISION OF OIL AND GAS RECORDS

Based on a review of the California Department of Conservation Geologic Energy Management Division (CalGEM) Well Finder website, there are no oil or gas wells within the project site. The nearest oil well is approximately 2,678-feet to the southwest of the project site. The well is identified as an abandoned dry hole advanced by Ebert and Brandt in March 1969. The well was reported abandoned in January of 1981.

3.6.1 Site Inspection Results

A site visit to observe site conditions was conducted by PlaceWorks on November 5, 2020. No weather-related conditions or other conditions that would limit our ability to observe the site occurred during our site reconnaissance. The site was vacant land that had been recently graded. No vehicles or structures were on the site that was surrounded by a chain-link fence. The site was at the same grade as the surrounding land to the east and west.

Summarized below are observations relative to specific physical features identified in the PEA Guidance Manual and site photographs are included as Appendix A.

Physical Feature	***Observations***
Site boundaries:	The project site consists of approximately 12-acres of vacant recently graded land bordered by East Preserve Loop on the east and the future extension of Market Street on the north and Academy Street on the south. Vacant land is located to the west.
Locations and boundaries of all onsite operations (present and past):	Based on a review of aerial photographs the project site has been used as an agricultural field from at least 1931 to 1985 and from 1985 to around 2009, the project site was part of a dairy.
Foundations of former structures:	None noted by PlaceWorks.
Storage tanks and storage areas:	None noted by PlaceWorks
Odors:	None noted by PlaceWorks.
Pools of liquid:	None noted by PlaceWorks.
Electrical or hydraulic equipment known or likely to contain PCBs:	None noted by PlaceWorks.
Unidentified substance containers (including empty drum storage):	None noted by PlaceWorks
Stained soil and pavement, corrosion, and degradation of floors and walls:	None noted by PlaceWorks.
Drains and Sumps:	None noted by PlaceWorks.
Pits, ponds, and lagoons:	None noted by PlaceWorks.
Surface drainage pathways:	None noted by PlaceWorks.
Stressed vegetation (from other than insufficient water):	None noted by PlaceWorks.
Solid waste and wastewater:	None noted by PlaceWorks.
Wells (including dry wells, irrigation wells, injection wells):	None noted by PlaceWorks.
Septic systems:	None noted by PlaceWorks.
Overhead electrical lines:	None noted by PlaceWorks.
High-pressure gas or fuel transmission lines:	No high-pressure gas pipelines were identified as being located on the site.
Railroad tracks:	Railroad tracks were not identified within 1,500 feet of the site.

3.6.2 Prior Assessments/Remediation

No prior assessments or remediation exist for this site and were not reviewed by PlaceWorks.

3.7 REGULATORY STATUS

PlaceWorks utilized the electronic database service EDR to complete an environmental records review for the project site. The database search was used to identify properties that may be listed in the referenced Agency records, located within the American Society for Testing and Materials (ASTM)-specified search radii indicated below:

Database	Approximate Search Distance	Project Site Listed?	Number of Sites within Search Area
Federal NPL Sites	1 mile	No	0
Federal Delisted NPL Sites	0.5 mile	No	0
CERCLIS Sites	0.5 mile	No	0
CERCLIS-NFRAP Sites	0.5 mile	No	0
Federal ERNS	Site only	No	0
RCRA non-CORRACTS TSD Facilities	0.5 mile	No	0
RCRA CORRACTS Facilities	1 mile	No	0
RCRA Generators	Site and Adjoining	No	0
Federal Institutional/Engineering Control Registry	0.5 mile	No	0
State and Tribal Equivalent NPL Sites	1 mile	No	0
State and Tribal Equivalent CERCLIS Sites	1 mile	No	6
State and Tribal Registered Storage Tanks	Site and Adjoining	No	0
State and Tribal Landfills and Solid Waste Disposal Sites	0.5 mile	No	1
State and Tribal Leaking Storage Tanks	0.5 mile	No	2
State and Tribal Institutional Controls/Engineering Control	Site only	No	0
State and Tribal Voluntary Cleanup Sites	0.5 mile	No	0
State and Tribal Brownfield Sites	0.5 mile	No	0
Orphan Site List	Site and Adjoining	No	0
HAZNET	Site only	No	0

A review of selected regulatory agency databases for documented environmental concerns on the project site, or in close proximity to the project site, was conducted by EDR. A copy of the radius report, dated September 6, 2019 is included in Appendix C. The project site was not identified on any of the regulatory databases searched in the EDR..

3.7.1 NPL Sites

The National Priorities List (NPL) is a list of contaminated sites that are considered the highest priority for clean-up by the EPA.

- The project site is not listed on the NPL database.

- The database search did not identify any NPL facilities within one mile of the project site.

3.7.2 CERCLIS Sites

The Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) list identifies sites which are suspected to have contamination and require additional investigation to assess if they should be considered for inclusion on the NPL.

- The project site is not listed on the CERCLIS database.
- The database search did not identify any CERCLIS Sites within a half mile of the project site.

3.7.3 CERCLIS-NFRAP Sites

CERCLIS-NFRAP status indicates that a site was once on the CERCLIS List but has No Further Response Actions Planned (NFRAP). Sites on the CERCLIS-NFRAP List were removed from the CERCLIS List in February 1995 because, after an initial investigation was performed, no contamination was found, contamination was removed quickly, or the contamination was not significant enough to warrant NPL status.

- The project site is not listed on the CERCLIS-NFRAP database.
- The database search did not identify any CERCLIS-NFRAP sites within a half mile of the project site.

3.7.4 Federal ERNS List

The Federal Emergency Response Notification System (ERNS) list tracks information on reported releases of oil and hazardous materials.

- The project site is not listed on the ERNS database.

3.7.5 RCRA CORRACTS Facilities

The Resource and Conservation Recovery Act (RCRA) CORRACTS Facilities list catalogues facilities that treat, store, or dispose of hazardous waste and have been associated with corrective action activity.

- The project site is not listed on the RCRA CORRACTS Facilities list.
- The database search did not identify any RCRA CORRACTS Facilities within one mile of the project site.

3.7.6 RCRA non-CORRACTS TSD Facilities

The RCRA non-CORRACTS TSD Facilities list tracks facilities which treat, store, or dispose of hazardous waste and are not associated with corrective action activity.

- The project site is not listed on the RCRA non-CORRACTS TSD Facilities list.
- The database search did not identify any RCRA non-CORRACTS TSD facilities within a half mile radius of the project site.

3.7.7 RCRA Generators

The RCRA Generators list is maintained by the USEPA to track facilities that generate hazardous waste.

- The project site is not listed on the RCRA Generators Facilities list.
- The database search did not identify any RCRA Generators within a half mile radius of the project site.

3.7.8 State-and-tribal equivalent CERCLIS List

The State-and-tribal equivalent CERCLIS List database identifies hazardous waste sites selected for remedial action and underground storage tank (UST) properties having a reportable release and is maintained by the DTSC.

- The project site is not listed on the State-and-tribal equivalent CERCLIS List.
- The database search identified six facilities on the State-and-tribal equivalent CERCLIS List within a half mile radius of the project site.
    - Rando Elementary School at the southeast corner of Hellman Avenue and Walters Street, approximately 0.475-miles southeast of the project site, underwent a PEA due to contamination related to livestock and vehicle maintenance. Currently, the clean-up status of the project site is listed as No Further Action as of April 14, 2017.
    - Rodriguez Dairy at 8340 and 8342 Chino Corona Road, approximately 0.533-miles south southwest of the project site, is listed as being referred to a local agency as of June 7, 2004.
    - Legend Dairy Farms – Schleisman at 14955 Schleisman, approximately 0.724-miles northeast of the project site, was a site that was going to be developed but was stalled due to the 2008 economic downturn, but currently the cleanup status is listed as certified as of June 30, 2010.
    - Dump – Hall Avenue at 7675 Hall Avenue, approximately 0.878-miles southeast of the project site, is a historical site that is listed because the property owners complained of illegal dumping and the case is listed as having been referred to County Health Department as of June 10, 1991.
    - W.F. Durrington Dairy at 8107 Kimball Avenue, approximately 0.907-miles northwest of the project site, underwent a PEA due to contamination related to former dairy and row crop

operations. Currently, the clean-up status of the project site is listed as No Further Action as of May 5, 2005.

- Engelsma Dairy at 8011 Kimball Avenue, approximately 0.977-miles northwest of the project site, is listed as being referred to a local agency as of October 7, 2004.

3.7.9 State and Tribal Registered Underground Storage Tanks (USTs)

The State Water Resources Control Board's Hazardous Substance Storage Container Database maintains a list of USTs regulated by the RCRA.

- The project site is not listed on the registered UST database.
- The database search did not identify any registered UST facilities within a quarter mile radius of the project site.

3.7.10 State Landfills and Solid Waste Disposal Sites

The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills. The data comes from the Integrated Waste Management Board's Solid Waste Information System database.

- The project site is not listed on the Solid Waste Facilities/Landfill Sites database.
- The database search identified one Solid Waste Facilities/Landfill Sites within a half mile of the project site.
    - Bemus Landscape, INC at 8005 Pine Avenue, approximately 0.499-miles northwest of the project site, is listed as an active green waster composting operation. No violations were noted for the facility on CalRecycle.

3.7.11 State and Tribal Leaking Underground Storage Tanks (LUSTs)

The State Water Resources Control Board's Leaking Underground Storage Tank Information System contains an inventory of LUST Incident Reports.

- The database search identified two LUST facilities within a half mile radius of the project site.
    - The project site was a portion of the Stueve Bros. Farms at 8300 Pine Avenue, which is listed because of a leak of gasoline reported on October 2, 1998. Currently the cleanup status of the case is completed case closed as of June 19, 2013. Reviewing the Phase I Environmental Site Assessment (1999) of the Stueve Bros. Farm, the area of the farm that had the former USTs is over 1200 fee to the north of the project site on the far side of Pine Avenue. The most recent groundwater monitoring report from 2012 indicate the USTs were located to the

north of the residential building located on the north side of Pine Avenue and that the groundwater gradient was toward the southwest, cross gradient of the project site. The USTs were removed under the oversight of the San Bernardino County Fire Department 1998. In 2008 the County Fire Department transferred oversight of the case to the Santa Ana Regional Water Quality Control Board. Quarterly monitoring was implemented at the site from 2006 to 2009 then semiannual monitoring until 2011. In 2000 Soil Vapor Extraction was implemented. Regional Water Quality Control Board determined that the groundwater plume was shrinking in size and concentration and that the impacted shallow groundwater was not used as a source of water supply nor was it likely to be used as a source of water supply in the foreseeable future and the limited residual petroleum hydrocarbons that remained in soil and groundwater posed a low risk to human health, safety and the environment. A copy of the closure letter and closure summary are included in Appendix B. Based on the current regulatory status and distance from the site it is not expected to have had an impact on the project site.

- R.T. Lee Construction at 7200 Hellman Avenue, approximately 0.484-miles east of the project site, is listed because of a leak of gasoline reported on July 1, 1991. Currently the cleanup status of the case is completed case closed as of August 26, 1992. Based on the current regulatory status it is not expected to have had an impact on the project site.

3.7.12 Local Lists of Hazardous Waste Contaminated Sites

A record search was done on the following databases: Clandestine Drug Labs, HIST Cal-Sites Historical CalSites Database, and Toxic Pits Cleanup Act Sites.

- The subject site is not listed on the Local List of Hazardous Waste Contaminated Sites.
- The database search did not identify any Local List of Hazardous Waste Contaminated Sites within the designated search radius.

3.7.13 High Risk Historical Records

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, and dry cleaners. There were no high-risk historical records identified within a half-mile of the project site.

3.7.14 HAZNET

HAZNET contains the data obtained from hazardous waste manifests received by the DTSC for lawful disposal of hazardous materials. A listing on the HAZNET database does not indicate that an environmental concern exists, only that a lawful disposal of materials has occurred.

- The project site is not listed on the HAZNET database.
- The database search did not identify any properties on the HAZNET database within a quarter mile radius of the project site.

3.7.15 Orphan Sites

The EDR database identified one site that is indicated as being potentially in the area and was not mapped due to incomplete address information. There were no orphan sites identified in the database search.

3.7.16 Other Databases

The project site was not listed on any of the other additional environmental records reviewed in the EDR report.

3.7.17 Vapor Migration

The ASTM 1527-13 standard states that "for the purposes of this practice, “migrate” and “migration” refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface". Thus, this section specifies whether or not we perceive a risk of vapor migration to the project site.

To assess vapor migration risk, a review and analysis of the site-specific environmental database report and other reasonably ascertainable records was implemented to assess whether:

1. Off-site properties have documented chlorinated volatile organic compound (VOC) contamination located within 100 feet of the project property, or
2. Off-site properties have documented volatile petroleum hydrocarbon contamination within 30 feet of the project property.

Based on the records review, it is unlikely that a potential source of vapor migration currently exists beneath the site from off-site properties. No chlorinated VOC contamination was identified, and underground storage tanks were not identified adjacent or within 100 feet of the project site.

3. Site History and Background Information

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4. Apparent Problem

There is no physical or historic evidence of any site activity that might have caused any environmental impact to the site. However, there are potential environmental issues evaluated in this PEA. The PEA identified the following potential issues at the site:

- The possibility of residual pesticides in the soil due to historical agricultural use of the site from approximately 1931 to 1985.
- The possibility of residual methane resulting from dairy operations on the project site from around 1985 until around 2009.
- Potential for fill material to be present at the site from the surrounding area due to adjacent residential development.

Because the site is for a proposed school, there is a potential for children who will attend the school and adult employees of the school to be exposed to chemicals that may be present in soil. Potential exposure may occur from soil ingestion, dermal exposure to soil, and inhalation of particles. The sampling that was conducted as part of this PEA was directed at addressing these potential chemicals of concern and these potential exposure pathways.

Because of the presence of the above-mentioned concerns, a PEA was initiated for the site.

4. Apparent Problem

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5. Environmental Setting

This section describes potential exposure pathways and the site geology and hydrogeology.

5.1 FACTORS RELATED TO SOIL EXPOSURE PATHWAYS

5.1.1 Site Topography

The topographic gradient of the project site is to the south. Based on a review of the United States Geological Survey (USGS) 7.5-minute Topographic Series, Corona North, California Quadrangle Map (USGS 2012), surface elevation of the site is approximately 590 feet above mean sea level (msl). Topographic maps are included in Appendix B.

5.1.2 Site Geology and Soil Types

Based on a review of the United States Geological Survey (USGS) 7.5-minute Topographic Series, Corona North, California Quadrangle Map (USGS 2012), the project site is in the northern part of the Peninsular Ranged Geomorphic Province. The Peninsular Ranges Geomorphic Province extends approximately 900 miles southward from the Los Angeles Basin to Baja California, Mexico and is characterized by elongated northwest-trending mountain ranges separated by sediment-floored valleys (Yerkes et al. 1965). The most dominant structural features of the province are the northwest-trending fault zones, most of which die out, merge with, or are terminated by the steep reverse faults at the southern margin of the San Gabriel Mountains within the Transverse Ranges Geomorphic Province. The site itself sits atop early Pleistocene very old alluvial fan deposits (Morton and Gray 2002). Topographically, the site general slopes to the southeast.

Based on a review of the Fault Activity Map of California (California Department of Conservation 2010), no active faults are known to have been mapped within the boundaries of the project site. The nearest known active fault to the project site is the Chino-Central Avenue Fault, located approximately 2.5 miles west of the site.

The United States Department of Agriculture Natural Resources Conservation Services mapped the soil beneath the project site and is reported in the EDR radius report included in Appendix C. The soil component is Chino, which has surface texture classified as silt loam. This soil has moderate infiltration rated and is considered a moderately well to well-draining soil.

Fill material was placed at the site by Lewis Management Group for temporary storage during grading activities for the new master planned community. Six to nine feet of fill were placed at the site in the area that heavy equipment was parked.

5.1.3 Naturally Occurring Asbestos and Radon

Based on a review of A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos (Department of Conservation, Division of Mines and Geology 2000) and Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California (Van Gosen and Clinkenbeard 2011), the site is not located within a ten-mile radius from an area thought to contain naturally occurring asbestos (NOA).

The EPA Radon Zone for San Bernardino County is Zone 2 with indoor average levels greater than 2 pCi/L and less than 4 pCi/l/ Based on the project site being within Zone 2 and below 4pi/CL in the area, radon is not considered an issue for the proposed school site (EPA, 2019).

5.1.4 Site Accessibility

The site is accessible off of Preserve Loop to the northeast and Market Street to the east.

5.1.5 Proximity to Nearby Receptors

New residential properties are located to the northeast and east of the project site. There is vacant land north of the project site followed by Pine Avenue then a dairy. Fallow land surrounds the rest of the project site.

5.2 FACTORS RELATED TO WATER PATHWAYS

The following sections describe factors related to potential water pathways.

5.2.1 Groundwater Pathway and Surface Water Information

The project site lies within the Chino subbasin of the Upper Santa Ana Valley Groundwater Basin. Local groundwater flow in the Chino subbasin is predominately to the south, toward Prado Dam. According to Wildermuth Environmental (2017), groundwater is about 75 feet below ground surface in the site vicinity. Hydrogeologic investigations were not performed on the site for this investigation; therefore, it is unknown to what extent localized variations in groundwater presence and flow occur on the site.

Cucamonga Creek, located approximately a half mile southeast of the site, is the principal surface water drainage feature in the area.

The City of Chino provides water service to the site and surrounding area, which is supplied from two sources: State Water Project (SWP), and local groundwater (City of Chino 2019). In 2015, 85% of water demands have been met by local supplies, and 15% from the State Water Project (City of Chino 2016). Water service within the City of Chino is provided by the City of Chino Water Utility, Monte Vista Water District and City of Chino Hills. Approximately one-half of the City's water supply is from groundwater from the Chino Basin. In addition to the groundwater wells, the City operates four water treatment facilities. The city of Chino is building a $12 million expansion of its Eastside Water Treatment Facility (EWTF), located in Ontario, increasing capacity from 3,500 gallons per minute, or about 5 million gallons per day, to 7,000 gallons per minute, or about 10

million gallons per day. The expanded plant removes traces of 1,2,3 trichloropropane (TCP). The system also treats nitrates that leaked into groundwater from cow manure and fertilizers from above-ground activities. The plant removes nitrates through ionic exchange. The nitrates are sent to the Inland Empire Utilities Agency's pipeline for treatment.

According to the FEMA Map Service Center website (2008), the project site and the surrounding area are outside of 100-year and 500-year flood zones and is in an area of reduced flood risk due to a levee.

5.2.2 Impacted Aquifers from Site Releases

There are no known site releases.

5.3 FACTORS RELATED TO AIR PATHWAYS

The site is classified as being in climate zone 10 by the California Energy Commission. It is an area that is semi-arid with hot, dry summers and mild winters. The Western Regional Climate Center collected data from Corona from 1981 to 2010. The mean temperature in the area ranges from a low of 50° Fahrenheit (°F) in the winter to a high of 79.5°F in the summer. The average annual precipitation is 12.56 inches per year.

5. Environmental Setting

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6. Sampling Activities and Results

This section describes methods and results of the soil sampling activities conducted at the site on November 5, 2020. Figure 4 shows the sampling locations for the project area. Table 1 provides a summary of the sampling and analysis program for the PEA. The Health and Safety Plan used for the site is included in Appendix D.

- Soil sampling and soil vapor probes were installed at the site on November 5, 2020 for the PEA. Soil gas samples were collected on November 6, 2020.
- Forty-four (44) discrete soil samples plus 3 duplicates were collected.
- Sixteen (16) discrete soil gas samples were collected.
- Two 3:1 composite samples, four 4:1 composite samples, and one 3:1 composite sample duplicate were collected from two depths and analyzed for organochlorine pesticides (OCPs) by EPA Method 8081A to assess for potential residual OCPs from historic agricultural operations. Half of the samples analyzed for OCPs were from 0 to 0.5 feet bgs and the other half were collected from 2 to 2.5 feet bgs.
- Four soil samples plus one duplicate sample from 0 to 0.5 feet bgs were analyzed for TPH by EPA Method 8015 to assess potential impacts from the historic agriculture.
- Six soil samples plus one duplicate from 0 to 0.5 feet bgs were analyzed for arsenic by EPA Method 6010B to assess potential impacts from the historic agriculture.
- Sixteen (16) soil gas samples were analyzed from 5.0 to 15.0 feet bgs were analyzed for methane by a Photovac MicroFID on November 6, 2020 and two soil gas samples were submitted to the laboratory for methane analysis by ASTM D1946 to assess potential impacts from the former dairy.

6.1 UTILITY CLEARANCE

Prior to commencement of field activities, Dig Alert was notified of our intent to conduct subsurface investigations at least 48 hours prior to initiation of intrusive field tasks. Dig Alert contacted all utility owners of record within the site vicinity and notified them of our intention to conduct subsurface investigations in proximity to buried utilities. All utility owners of record, or their designated agents, were expected to clearly mark the position of their utilities on the ground surface throughout the area designated for investigation.

6.2 SAMPLING PROCEDURES

Soil samples were collected following protocols described in DTSC's PEA Guidance Manual (DTSC 2015), DTSC's Interim Guidance for Sampling Agricultural Properties (Third Revision) (DTSC 2008), and guidelines provided by the DTSC in Advisory – Active Soil Gas Investigations (DTSC/LARWQCB 2015. The sampling program that was implemented is included in Table 1 and all sampling locations are shown on Figure 4, Sampling Locations. A Professional Geologist was on-site to direct and observe all field activities. DTSC was notified prior to sampling and observed sampling events on November 5 and 6, 2020.

6.2.1 Soil Sampling Methods and Procedures

Soil sampling was conducted by using a truck-mounted direct push drill rig (Geoprobe™). The Geoprobe™ rig advanced acetate lined sample core barrels sleeves to desired depths using a hydraulic ram or pneumatic hammer system. The inside diameter of the core barrel are typically 1.5 to 2.0 inches. The sample barrel was retrieved, and the sample interval was observed, logged and preserved. Soil samples were preserved by placing Teflon™ sheeting and polyethylene caps leaving no headspace and placing them in sealable plastic bags.

Observations pertaining to the soil type were described by the field geologist. Each soil sample was labeled with the sample number, sample depth, and the date and time the sample was collected. Samples were immediately placed in an ice-filled cooler and listed on a chain-of-custody form. Any observation pertaining to potential soil contamination or soil source were recorded. Soil samples will be collected from 0.5 feet and to 2.5 feet below ground surface. Figure 4 shows the sampling locations and Appendix E contains the chain-of-custody form.

6.2.2 Soil Gas Sampling Methods and Procedures

Soil gas samples were collected and analyzed for methane from eight locations. Soil gas sampling and analysis followed the *Advisory - Active Soil Gas Investigations* (DTSC and RWQCB 2015). Sixteen soil gas probes were installed at approximately 5 feet bgs and 15 feet bgs at eight locations and analyzed by a handheld FID for methane. One continuous core was collected and logged by a Professional Geologist. Groundwater was not encountered in any of the soil gas probes.

Soil gas probes were installed using standard Geoprobe™ rods. After the rod was driven to the desired depth using a direct push installation rig, the rod was retracted. The implant was attached to a ¼-inch outer diameter sample line and lowered into the boring. Use of the implant, attached to relatively small diameter Teflon tubing, allows for the soil gas to be sampled with a minimum volume of line purging. A sand pack was poured into the boring, followed by one foot of dry granular bentonite and hydrated bentonite slurry and the probe was allowed to equilibrate for a minimum of two hours prior to sampling

Prior to sampling, a shut-in test was conducted to check for leaks in the above-ground sampling system. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A Dwyer Magnehelic vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then collected.

The soil gas probes were allowed to equilibrate a minimum of 17 hours before conducting sampling for methane. Prior to collecting soil gas samples, a magnehelic gauge was connected to the probe sampling port to observe naturally existing soil gas pressures or vacuums beneath the site.

A properly calibrated FID was connected to the probe to collect measurements of methane. At probe locations with the highest methane concentrations, duplicate soil gas samples were collected in Tedlar bags for off-site confirmation analysis.

Field testing was conducted using the following field instruments:

- Photovac MicroFID® Flame Ionization Detector – Calibrated to methane and used to measure low-level methane concentrations (<500 parts per million by volume; ppmv).
- Dwyer Instruments Magnehelic Gauges (0-2, 0-10, and 0-100 in. H2O ranges) – Used to collect pressure/vacuum measurements.

6.3 QUALITY CONTROL SAMPLING PROCEDURES

Field quality control samples associated with the sampling program included duplicate soil samples, equipment blanks, and soil matrix spike/matrix spike duplicate (MS/MSD) samples, in accordance with the DTSC PEA Guidance Manual (DTSC 2015). Duplicate soil samples were collected and analyzed and are listed on Table 1 for soil samples.

Field duplicate samples were collected and analyzed to evaluate sampling and analytical precision. Field duplicates for soil samples were collected at a rate of approximately 10% of the samples collected. The Quality Assurance Project Plan (QAPP) is included in Appendix F.

6.4 DECONTAMINATION PROCEDURES

All equipment that came into contact with the soil was decontaminated consistently to assure the quality of samples collected. Decontamination was conducted prior to and after each use of a piece of equipment. All sampling devices used were decontaminated using the following procedures:

- Non-phosphate detergent and distilled water wash, using a brush; and
- A double deionized/distilled water rinse.

6.5 INVESTIGATIVE-DERIVED WASTE MANAGEMENT

In the process of collecting environmental samples during the field-sampling program, different types of potentially contaminated investigation-derived wastes (IDW) were generated that include the following:

- Used personal protective equipment (PPE);

- Disposable sampling equipment;
- Soil cuttings; and
- Decontamination fluids.

The EPA's National Contingency Plan requires that management of IDW comply with all applicable or relevant and appropriate requirements to the extent practicable. The sampling plan followed the Office of Emergency and Remedial Response Directive 9345.3-02 dated May 1991, which provides the guidance for the management of IDW. In addition, other legal and practical considerations that may affect the handling of IDW will be considered.

Listed below are the procedures that were followed for handling the IDW:

- Used PPE and disposable equipment were double bagged and placed in a municipal refuse dumpster. These wastes are not considered hazardous and can be sent to a municipal landfill.
- Soil cuttings were returned to their original borehole.

6.6 ANALYTICAL RESULTS

Organochlorine pesticide results in soil are summarized in Table 2. Total Petroleum Hydrocarbons (TPH) results in soil are summarized in Table 3. Table 4 is a summary of arsenic results. Methane in soil gas results are summarized in Table 5. Laboratory summary reports for analytes are included in Appendix E.

6.7 DISCUSSION OF RESULTS

6.7.1 Soil Description

Descriptions of the soils encountered and collected during the investigation were recorded by a field geologist. The native soils encountered and collected during the investigation consisted of medium stiff to stiff pale red (2.5YR 6/2) to reddish brown (2.5YR 5/3) to yellowish brown (10YR 5/4) clay. No odors or staining were observed by the field geologist. A soil boring log is included in Appendix G. Groundwater was not encountered. Fill material was not observed in any of the soil borings.

6.7.2 Soil Results

6.7.2.1 ORGANOCHLORINE PESTICIDES

Two OCPs, 4,4,'-DDE and dieldrin, were detected in some of the composite samples. The OCPs were compared to both DTSC SLs and EPA Region 9 RSLs which were identical for the OCPs detected at the site.

4,4'-DDE was detected above the laboratory detection limits in three of the 4:1 composite samples. The lowest concentration of 4,4'-DDE was detected in the 4:1 composite B-4, B-5, B-6, B-10 at 0.5' bgs at 0.0.0025 mg/kg. The maximum concentration of 4,4'-DDE was detected in the 4:1 composite B-7, B-9, B-12, B-14 at 0.5' bgs at 0.005 mg/kg. The EPA RSL and DTSC SL for 4,4'-DDE adjusted for a 4:1 composite is 0.50 mg/kg. All the concentrations of 4,4'-DDE detected are below the screening levels for residential exposure adjusted for the number of samples in the composite.

Dieldrin was detected above the laboratory detection limit in one of the 4:1 composite samples and one of the 3:1 composite samples. The lowest concentration of dieldrin was detected in the 4:1 composite B-7, B-9, B-12, B-14 at 0.5' bgs at 0.0.0025 mg/kg. The maximum concentration of dieldrin was detected in the 3:1 composite B-20, B-21, B-22 at 0.5' bgs at 0.0076 mg/kg. The EPA RSL and DTSC SL for dieldrin adjusted for a 3:1 composite is 0.011 mg/kg and for a 4:1 composite is 0.0085 mg/kg. All the concentrations of dieldrin detected are below the EPA and DTSC screening levels for residential exposure adjusted for the number of samples in the composite.

Table 2 is a summary of the organochlorine pesticides detected at the site and their EPA and DTSC screening levels. Appendix E contains the laboratory reports.

6.7.2.2 TPH

TPH was not detected above the laboratory detection limits in the four soil samples and one duplicate soil sample collected at 0 to 0.5 feet bgs. TPH results are summarized on Table 3. Laboratory reports for TPH analysis are included in Appendix E.

6.7.2.3 ARSENIC

Arsenic was not detected above the laboratory detection limits in the six soil samples and one duplicate soil sample analyzed. Arsenic results are summarized in Table 4 and laboratory reports for arsenic analysis are included in Appendix E.

6.7.3 Soil Gas Results

Soil gas probes were installed at eight (8) locations between 5' and 15' bgs. Sixteen (16) soil gas samples were analyzed in the field for methane by MicroFID and two samples were analyzed for methane by ASTM D1946.

Methane was detected in the field at 22.9 ppmv (parts per million by volume) in SG-4 at 5.0 feet bgs, below the screening level of 5,000 ppmv for methane. There were no other detects of methane in the soil gas samples. The two soil gas samples submitted to the laboratory for methane analysis by ASTM D1946 were below the laboratory reporting limit for methane. Table 5 is a summary table of methane results. Laboratory reports for methane analysis are included in Appendix E.

6. Sampling Activities and Results

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7. Human Health Screening Evaluation

A human health screening assessment was conducted to evaluate the potential threat to human health at the project site. The established PEA screening process was used to determine if there are levels of contamination at the site that may cause a concern about effects on human health. The purpose of the human health risk screening evaluation was to assess whether levels of contaminants in soil at the site could pose a threat to human health under conservative (health-protective) exposure assumptions. The PEA requires a residential land use scenario regardless of current use and zoning.

7.1 CONCEPTUAL SITE MODEL

The potentially complete soil exposure pathways include soil ingestion, dermal exposure to soil, and inhalation of particulates detected in soil. Potentially exposed populations for the site include on-site school age children and employees based on future land use plans. In addition, consistent with DTSC guidance, future unrestricted/residential land use was considered as the most health-protective and conservative land use for the assessment and hypothetical future onsite residents were also evaluated. In order to estimate what the potential exposures may be under current and future land use plans; risk calculations were conducted using the data that were collected for this investigation.

Figure 5 is the conceptual site model for the site. The primary sources of chemicals of concern for the site are from the historic land uses discussed in Section 3. The exposure assumptions for the resident assumes that exposure will occur 24 hours per day for seven days a week for 350 days per year for 26 years. This exposure scenario is very health protective for a school site where teachers, students and staff may occupy the site for a maximum of 250 days per year for eight to nine hours per day.

7.2 CHEMICALS OF CONCERN SELECTION

The chemicals of concern (COCs) for the site that were evaluated in the PEA screening risk assessment have been identified based on-site history, sampling results, DTSC guidance and protocol. Some composite samples had levels of 4,4'-DDE, and dieldrin above laboratory reporting levels, but below EPA and DTSC Screening Levels (Table 2) and were carried forward into the screening level assessment. Because TPH and arsenic were non detect in all samples analyzed and methane was detected in one sample below DTSC's level of concern they were not carried forward in the risk analysis.

7.3 SOIL EVALUATION FOR ORGANOCHLORINE PESTICIDES

The concentrations of the two pesticides detected do not exceed the EPA RSLs or DTSC SLs. A summary table is provided below showing the highest reported pesticide concentration at the site and the corresponding screening level.

Carcinogenic Risk Residential Exposure Using Maximum Concentrations in Soil

Chemical	Maximum Concentration mg/kg	Number of Samples in Composite	RSL mg/kg	RSL adjusted for number of samples in composite	Conc./RSL
4,4'-DDE	0.005	4	2	0.5	0.1
Dieldrin	0.0076	3	0.034	0.011	0.69
Total Risk					**7.9-07**

The estimated cancer risk for the site using the maximum detected concentration assuming a residential land use exposure scenario is 7.9E-07, below the level of concern of 1.0E-06.

Hazard Index Residential Exposure Using Maximum Concentrations in Soil

Chemical	Maximum Concentration mg/kg	Number of Samples in Composite	RSL for Noncancer Risk mg/kg	RSL adjusted for composite	Conc./RSL
4,4'-DDE	0005	4	23	5.75	0.00087
Dieldrin	0.011	3	3.2	1.07	0.0071
Total Hazard					**0.008**

The cumulative hazard index (HI) for noncarcinogenic risk for exposure to organochlorine pesticides in soil was significantly less than 1 using the maximum concentration for a residential exposure scenario. A total HI of 1 or less indicates that there is no cause of concern for adverse noncarcinogenic health effects.

The concentrations of the pesticides at the site do not pose a significant health risk to future users of the site under the most conservative assumptions using a residential land use exposure scenario and maximum reported concentrations reported. The pesticides were reported infrequently, and the risk analysis conservatively assumes that the highest reported concentrations are located throughout the site.

7.4 UNCERTAINTY ANALYSIS

The data collected are subject to uncertainty associated with sampling and analysis. These data are presented in other parts of the PEA. In the analysis it was assumed that samples collected were representative of conditions to which various populations may be exposed. However, the collected samples may not be completely representative due to biases in sampling and to random variability of samples. In general, sampling was biased toward areas of known and suspected elevated chemical concentrations, which will lead to an overestimation of risk when these results are assumed to represent a larger area. The placement of soil borings was in part, purposely biased to detect and characterize potential hot spots of soil based on historical site use. This type of sampling approach is likely to overestimate the chemical concentrations to which a receptor would be exposed and the potential health impact to the receptors evaluated.

7. Human Health Screening Evaluation

Samples were analyzed using California State Certified Laboratory procedures and were subjected to limited review, to obtain data suitable for decision-making. However, it should be understood that sample analysis is subject to uncertainties associated with precision, accuracy and detection of chemicals at low concentrations.

7. Human Health Screening Evaluation

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8. Ecological Screening Evaluation

8.1 SITE CHARACTERIZATION

Based on visual observations during the site visit and information provided by the District, vacant land used to stage construction equipment for the residential developed northeast of the project site. Prior to being vacant land, the site had been used for irrigated rows crops from at least 1931until 1985. From 1985 until approximately 2009 the project site was part of a dairy. The area is disturbed and does not support wildlife habitats.

8.2 BIOLOGICAL CHARACTERIZATION

The site is a disturbed area that has been developed and does not support wildlife habitats.

8.3 ECOLOGICAL PATHWAY ASSESSMENT

No assessment of potential exposures to sensitive ecological receptors is necessary based on the lack of chemicals of concern for the site.

8.4 ECOLOGICAL SCREENING EVALUATION SUMMARY

An ecological screening evaluation was not conducted for the site because of the lack of wildlife habitats and because chemicals of concern were not reported for the site.

8. Ecological Screening Evaluation

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9. Quality Assurance/Quality Control (QA/QC) Implementation

The QA/QC Program was implemented in accordance with the DTSC PEA Guidance Manual (DTSC 2015). The primary quality control features of the QA/QC program include the collection and analysis of field quality control samples and the data validation. The Quality Assurance Project Plan is included as Appendix F.

Quality control samples collected in the field included duplicate samples and equipment rinseate blanks as described in Section 6. The data for these quality control samples were reviewed as part of the data validation process, along with results from laboratory quality control analyses. Data validation was performed in compliance with DTSC's PEA Guidance Manual, using protocols consistent with the USEPA National Functional Guidelines (DTSC 2015). Each sample was analyzed for the specified suite of analyses presented in Section 6. Data from each of the analyses were evaluated with respect to the quality control criteria listed below. Data for the project as a whole were evaluated in terms of completeness.

- Holding times;
- Field blanks;
- Laboratory method and calibration blanks;
- Initial and continuing calibrations;
- System monitoring compounds (surrogates - organic analyses only);
- Laboratory control samples (LCS) and LCS duplicate samples (LCSD) - as applicable;
- Matrix spikes (MS)/Matrix spike duplicates (MSD);
- Field replicates/confirmatory samples; and
- Compound identification and quantitation.

Data quality for the project is very good, and the data collected are of acceptable quality for use in the screening evaluation.

Results from the field duplicate samples indicate appropriate sample collection and handling procedures were implemented, and that laboratory analytical precision was also acceptable.

9. Quality Assurance/Quality Control (QA/QC) Implementation

Data validation qualifier flags have been added to those data that did not meet acceptance criteria as defined in School Quality Assurance Project Plans. Results of the validation indicate that all samples collected and analyzed are useful in characterizing the site and assessing the human health and ecological risks for the site. No detectable concentrations were qualified as rejected (R) or were considered to be unusable based on the validation evaluation. Data qualified as estimated (J/UJ) exhibited some bias during analysis and should be considered as an approximate measure of the respective analyte concentration. Qualified data are presented along with the data results in the analytical summary tables provided in this report.

Field activities were observed to be conducted in a manner consistent with the QA/QC procedures presented in the DTSC PEA Guidance Manual (DTSC 2015). No findings were identified that significantly affect the quality of the samples collected or the resulting data evaluation.

9.1 DATA VALIDATION

Data validation was performed for all samples submitted as part of PlaceWorks' evaluation of soil. A&R Laboratories, Inc. was the lead laboratory for the PEA and performed the required soil analyses.

Validation was performed in accordance with the general guidance provided in the USEPA Functional Guidelines for Evaluating Inorganic Analyses (USEPA 1994) and in accordance with the professional judgment of the validation team. Validation was performed to assess analytical performance in terms of the DQOs accuracy, precision, sensitivity, and completeness. Comparability and representativeness DQOs for the samples collected are addressed by the correct implementation of the procedures defined in the sampling and analysis plan.

A summary of the validation program, in terms of the DQOs listed above, is provided in the following sections. Data qualifiers assigned to results, if required, were as follows:

A. Result is estimated due to failure to meet one of the DQO criteria associated with the sample result or associated sample batch. Results reported at concentrations below standard laboratory reporting limits, but above method detection limits, were flagged "J" by the laboratory, or "B" in the case of metals. These data are validated as J/estimated because they are below the reliable quantitation limits determined by the laboratory.

U. Result is qualified as not detected at the reported value. This qualifier is used when results from blank analyses indicate that detections in associated samples may be biased high due to potential contaminant conditions in the field or laboratory.

UJ. Result is qualified as not detected at the reported value, and the value is determined to be estimated. This qualifier commonly results when quality control failures are associated with analytes that are not detected, or when detections are qualified "U" due to blank contamination combined with a "J" qualifier resulting from another QC problem.

R. Result is rejected due to severe QC failure, or due to multiple lessor QC problems that are determined to be additive.

9.2 ACCURACY

Accuracy was evaluated by assessing the results of holding times, field and laboratory blanks, initial and continuing calibrations, surrogate spike recoveries (organic analyses), LCS recoveries, MS analyses, and interference check samples (metals by inductively coupled plasma).

Frequency and control criteria for initial and continuing calibration verifications were met. The method blank data showed non-detectable levels for all constituents. MS and MSD were performed at the required frequencies. All recoveries were within acceptable limits. LCS analysis was performed at required frequencies and all recoveries were within acceptable limits. Surrogate recoveries for all samples were within acceptable control limits.

9.3 PRECISION

Precision was evaluated by assessing the results between MS and MSD analyses, LCS and LCSD analyses, between laboratory duplicate analyses. The precision DQO was generally satisfied for the samples collected during the project. Precision was evaluated as the relative percent difference (RPD) between control sample results. RPD criteria reported by the laboratory were used to assess precision. RPDs were within the appropriate control limits and precision is considered acceptable.

9.4 SENSITIVITY

Sensitivity was addressed by ensuring that the reporting limits provided by the laboratories met those as requested in the workplans and task orders provided to the laboratory. Data were qualified in cases where results were reported at concentrations below standard laboratory reporting limits, but above the method detection limits that may have been required to meet the sensitivity requirements for the project. Such results were flagged by the laboratory as either J or B qualified data. These data retain a J/estimated qualifier due to potential decreased reliability at low concentration levels.

9.5 COMPLETENESS

Completeness is an evaluation of the overall sampling program with respect to data generated that is usable versus data that may have been rejected. No data was rejected during the data validation process for this project. The completeness objectives (minimum 90 percent) for this project are therefore considered to be satisfied for all analyses.

9.6 DATA VALIDATION CHART

The following table is a summary of pertinent quality indicators that were verified during the data validation process.

9. Quality Assurance/Quality Control (QA/QC) Implementation

ACCEPTABILITY		
QUALITY INDICATOR	SOIL EPA Method 6010B Target Analyte: Arsenic	SOIL EPA Method 8081A Target Analyte: 4,4'-DDT
Completeness of Laboratory Reports (e.g., laboratory, client, and sample identifications; ELAP certification number, project name, sample matrix, sample collection, preservation, preparation, extraction, analysis dates; analytical methods; analytes; reporting units and limits; dilution factors; report page numbering system; designated title and signatures)	Y See discussion above	Y See discussion above
Reporting Limit (RL)	Y 1 mg/kg for ARL	Y 0.0020 mg/kg for ARL
Chain of Custody	Y	Y
Sample Containers and Conditions	Y	Y
Holding Time (<28 days)	Y	Y
Sample Preservation	Y	Y
Equipment Rinsate Blanks	Y	Y
Field Duplicates	Y	Y
Field QC Samples – Others	NA	NA
Surrogate Recoveries	NA	NA
Method Blanks	Y	Y
LCS % Recovery	Y	Y
MS/MSD % Recovery	See discussion above	See discussion above
MS/MSD % RPD	See discussion above	See discussion above
Laboratory Duplicates	See discussion above	See discussion above
Laboratory QC Samples – Others	NA	NA
Compound Identification	Y	Y
Compound Quantitation	Y	Y
Dilution Factors	Y	Y
Data Qualifiers	Y	Y
Confirmation of Positive Samples	NA	NA
Observations of Significance	NA	NA
Case Narrative	Y	Y
Instrument Tuning	NA	NA
Initial Calibration	Lab	Lab
Calibration Verification	Lab	Lab
Interference Check Standard	NA	NA
Others	NA	NA

NOTES:
Y = acceptable or in compliance
NA = not applicable
Lab = responsible by the Laboratory

10. HASP Implementation

PlaceWorks prepared a site-specific HASP pursuant to Health and Safety Code 1910.120. The plan addressed the following:

- Identification and description of potentially hazardous substances that may be encountered during field operations;
- PPE and clothing for site activities; and
- Measures that need to be implemented in the event of an emergency.

PlaceWorks field personnel reviewed the HASP prior to commencing fieldwork. Prior to initiation of field activities each day, a site safety briefing was conducted to identify potential physical and chemical hazards and measures to be taken in event of an emergency. All on-site personnel were required to sign the site safety briefing form.

During field activities, all personnel within the exclusion zone wore appropriate level D PPE. A copy of the HASP is contained in Appendix D.

10. HASP Implementation

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11. Field Variances

Soil sampling was conducted on the project area in general accordance with the approved work plan, PEA Guidance Manual (DTSC 2015), and Interim Guidance for Sampling Agricultural Properties (Third Revision) (DTSC 2008).

11. Field Variances

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12. Evaluations of Applicable or Relevant Laws and Regulations Pertaining to School Sites

State of California Department of Education Code Section 17213 and Public Resources Code 21151.8 prohibit the approval of a project involving the purchase of a school site or the construction of a new elementary or secondary school by a school district unless the district first determines whether the site is:

- The site of a current or former hazardous waste disposal site or solid waste disposal site and, if so, whether the wastes have been removed.

- A hazardous substance release site identified by the State Department of Health Services in a current list adopted pursuant to Section 25356 for removal or remedial action pursuant to Chapter 6.8 (commencing with Section 25300) of Division 20 of the Health and Safety Code.

- A site which contains one or more pipelines, situated underground or aboveground, which carries hazardous substance, acutely hazardous materials or hazardous wastes, unless the pipeline is a natural gas line which is used only to supply natural gas to that school or neighborhood.

- In addition, the school district must contact the local air pollution control district to identify any facilities located within ¼-mile of the proposed school site that might reasonably be anticipated to emit hazardous emissions or handle hazardous materials, substances or waste. If any facilities exist within the ¼-mile the district must be able to make a written finding that:

    a) The health risks from the facilities do not and will not constitute an actual or potential endangerment of public health to persons who attend or are employed at the proposed school; or

    b) If potential hazards exist and have been identified, corrective measures can be implemented that mitigate air emissions to levels that do not constitute an actual potential endangerment of public health to persons who would attend or be employed at the proposed school.

For this proposed school site, a records search of any hazardous waste/substance storage, treatment, or disposal activities at the site and within a ¼-mile of the site was conducted. No evidence of the site being used as a solid waste or hazardous waste disposal site was found. There was no indication that aboveground or underground pipelines are located on the school site.

12. Evaluations of Applicable or Relevant Laws and Regulations Pertaining to School Sites

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13. Conclusions and Recommendations

After reviewing and analyzing the analytical and human health screening evaluation results of this PEA, PlaceWorks concludes the following with respect to the site:

- Soil sampling occurred and soil vapor probes were installed at the site on November 5, 2020 for the PEA. Soil gas samples were collected on November 6, 2020.

- Forty-four (44) discrete soil samples plus 3 duplicates were collected.

- Sixteen (16) discrete soil gas samples were collected.

- Two 3:1 composite samples, four 4:1 composite samples, and one 3:1 composite sample duplicate were collected from two depths and analyzed for organochlorine pesticides (OCPs) by EPA Method 8081A to assess for potential residual OCPs from historic agricultural operations. Half of the samples collected for OCP analysis were from 0 to 0.5 feet bgs and the other half were collected from 2 to 2.5 feet bgs.

- Four soil samples plus one duplicate sample from 0 to 0.5 feet bgs were analyzed for Total Petroleum Hydrocarbons (TPH) by EPA Method 8015 to assess the historic agriculture.

- Six soil samples plus one duplicate from 0 to 0.5 feet bgs were analyzed for arsenic by EPA Method 6010B to assess the historic agriculture.

- Sixteen soil gas samples were analyzed from eight locations at two depths, 5 and 15 feet bgs on November 6, 2020. All soil gas samples were analyzed in the field with a FID and two soil gas samples were submitted to a laboratory for methane analysis by ASTM D1946.

The results of the field program are summarized below:

- Fill material was not encountered in any of the borings at the site.

- Two OCPs (4,4'-DDE and dieldrin) were detected in the composite soil samples. All OCP concentrations were below residential screening levels adjusted for the number of samples that comprised the composite.

- TPH were not detected above the laboratory detection limits in the four soil samples and one duplicate soil sample analyzed.

- Arsenic was not detected above the laboratory detection limits in the six soil samples and one duplicate soil sample analyzed.
- Methane was detected in one soil gas sample in the field collected from 5.0 feet bgs at a low concentration of 22.0 ppmv.
- The human health risk screening showed that chemical concentrations would not be a risk to human health or the environment under an unrestricted residential land use scenario.
- Laboratory data obtained were validated to assure that Data Quality Objectives (DQOs) were met, and the data were suitable for use in a human health and ecological screening evaluation.

13.1 RECOMMENDATIONS

The results of the PEA support the following conclusions and recommendations:

Based on the PEA objectives, the environmental quality goals of the District, and the results of the PEA investigation, PlaceWorks has determined that no further assessment is required for the site. Per California Education Code Section 17213.1, Section 3, PlaceWorks concludes that no further assessment of the site is necessary and is requesting an approval of the PEA.

14. References

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14. References

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Tables

Tables

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TABLE 1
PEA SAMPLING AND ANALYSIS PROGRAM
Proposed Preserve School #2
Chino Valley Unified School District
Chino, California

Sample Number	Depth (feet bgs)	Rationale	EPA 8081A OCPs	EPA 6010B Arsenic	TPH by EPA Method 8015	Methane by FID
Matrix			Soil			Soil Gas
B-1	0.5'	Former Agriculture	C (B-1, B-2, B-3)			
	2.5'		C (B-1, B-2, B-3)			
B-1 DUP	0.5'	Duplicate	C DUP (B-1 DUP, B-2 DUP, B-3 DUP)			
B-2	0.5'	Former Agriculture	C (B-1, B-2, B-3)			
	2.5'		C (B-1, B-2, B-3)			
B-2 DUP	0.5'	Duplicate	C DUP (B-1 DUP, B-2 DUP, B-3 DUP)			
B-3	0.5'	Former Agriculture	C (B-1, B-2, B-3)	D	D	
	2.5'		C (B-1, B-2, B-3)			
B-3 DUP	0.5'	Duplicate	C DUP (B-1 DUP, B-2 DUP, B-3 DUP)	D DUP	D DUP	
B-4	0.5'	Former Agriculture	C (B-4, B-5, B-6, B-10)	D		
	2.5'		C (B-4, B-5, B-6, B-10)			
B-5	0.5'	Former Agriculture	C (B-4, B-5, B-6, B-10)			
	2.5'		C (B-4, B-5, B-6, B-10)			
B-6	0.5'	Former Agriculture	C (B-4, B-5, B-6, B-10)			
	2.5'		C (B-4, B-5, B-6, B-10)			
B-7	0.5'	Former Agriculture	C (B-7, B-9, B-12, B-14)			
	2.5'		C (B-7, B-9, B-12, B-14)			
B-8	0.5'	Former Agriculture	C (B-8, B-11, B-13, B-16)			
	2.5'		C (B-8, B-11, B-13, B-16)			
B-9	0.5'	Former Agriculture	C (B-7, B-9, B-12, B-14)	D		
	2.5'		C (B-7, B-9, B-12, B-14)			
B-10	0.5'	Former Agriculture	C (B-4, B-5, B-6, B-10)			
	2.5'		C (B-4, B-5, B-6, B-10)			
B-11	0.5'	Former Agriculture	C (B-8, B-11, B-13, B-16)		D	
	2.5'		C (B-8, B-11, B-13, B-16)			
B-12	0.5'	Former Agriculture	C (B-7, B-9, B-12, B-14)			
	2.5'		C (B-7, B-9, B-12, B-14)			
B-13	0.5'	Former Agriculture	C (B-8, B-11, B-13, B-16)	D	D	
	2.5'		C (B-8, B-11, B-13, B-16)			
B-14	0.5'	Former Agriculture	C (B-7, B-9, B-12, B-14)			
	2.5'		C (B-7, B-9, B-12, B-14)			
B-15	0.5'	Former Agriculture	C (B-15, B-17, B-18, B-19)	D		
	2.5'		C (B-15, B-17, B-18, B-19)			
B-16	0.5'	Former Agriculture	C (B-8, B-11, B-13, B-16)		D	
	2.5'		C (B-8, B-11, B-13, B-16)			
B-17	0.5'	Former Agriculture	C (B-15, B-17, B-18, B-19)			
	2.5'		C (B-15, B-17, B-18, B-19)			
B-18	0.5'	Former Agriculture	C (B-15, B-17, B-18, B-19)			
	2.5'		C (B-15, B-17, B-18, B-19)			
B-19	0.5'	Former Agriculture	C (B-15, B-17, B-18, B-19)			
	2.5'		C (B-15, B-17, B-18, B-19)			
B-20	0.5'	Former Agriculture	C (B-20, B-21, B-22)			
	2.5'		C (B-20, B-21, B-22)			

TABLE 1
PEA SAMPLING AND ANALYSIS PROGRAM
Proposed Preserve School #2
Chino Valley Unified School District
Chino, California

Sample Number	Depth (feet bgs)	Rationale	EPA 8081A OCPs	EPA 6010B Arsenic	TPH by EPA Method 8015	Methane by FID
B-21	0.5'	Former Agriculture	C (B-20, B-21, B-22)			
	2.5'		C (B-20, B-21, B-22)			
B-22	0.5'	Former Agriculture	C (B-20, B-21, B-22)	D		
	2.5'		C (B-20, B-21, B-22)			
SG-1	5'	Former Dairy				D
	15'					D
SG-2	5'	Former Dairy				D
	15'					D
SG-3	5'	Former Dairy				D
	15'					D
SG-4	5'	Former Dairy				D*
	15'					D
SG-5	5	Former Dairy				D
	15'					D
SG-6	5'	Former Dairy				D
	15'					D
SG-7	5'	Former Dairy				D
	15'					D*
SG-8	5'	Former Dairy				D
	15'					D
EB	n/a		1 EB	1 EB		
Total			**12 C, 1 C DUP, 1 EB**	**6 D, 1 D DUP, 1 EB**	**4 D, 1 D DUP, 1 EB**	**16 D**

Notes:

D = Discrete; C = Composite; DUP -= Duplicate Samples; EB = Equipment Blank

Duplicates collected at a frequency of approximately 10%

*D replicate soil gas samples will analyzed for methane by fixed laboratory.

TABLE 2
SUMMARY TABLE OF ORGANOCHLORINE PESTICIDES IN SOIL
Proposed Preserve School #2
Chino Valley Unified School District
Chino, California

			Concentration (milligrams per kilogram [mg/kg])			
Sample Number	**Depth (feet bgs)**	**Sample Date**	**4,4´-DDD**	**4,4´-DDE**	**4,4´-DDT**	**Dieldrin**
B-1, B-2, B-3	0.5'	11/5/2020	<0.0020	<0.0020	<0.0020	<0.0020
	2.5'		<0.0020	<0.0020	<0.0020	<0.0020
B-1 DUP, B-2 DUP, B-3 DUP	0.5'	11/5/2020	<0.0020	<0.0020	<0.0020	<0.0020
B-4, B-5, B-6, B-10	0.5'	11/5/2020	<0.0020	<0.0020	<0.0020	<0.0020
	2.5'		<0.0020	**0.0025**	<0.0020	<0.0020
B-7, B-9, B-12, B-14	0.5'	11/5/2020	<0.0020	**0.005**	<0.0020	**0.0025**
	2.5'		<0.0020	**0.0041**	<0.0020	**0.003**
B-8, B-11, B-13, B-16	0.5'	11/5/2020	<0.0020	<0.0020	<0.0020	<0.0020
	2.5'		<0.0020	<0.0020	<0.0020	<0.0020
B-15, B-17, B-18, B-19	0.5'	11/5/2020	<0.0020	<0.0020	<0.0020	<0.0020
	2.5'		<0.0020	<0.0020	<0.0020	<0.0020
B-20, B-21, B-22	0.5'	11/5/2020	<0.0020	<0.0020	<0.0020	<0.0020
	2.5'		<0.0020	<0.0020	<0.0020	**0.0076**
Maximum Concentration Detected			ND	0.005	ND	0.0076
DTSC SL/EPA Region 9 RSLs			2.3	2	1.9	0.034
EPA Region 9 RSLs for 3:1 Composite			0.76	0.66	0.63	0.011
EPA Region 9 RSLs for 4:1 Composite			0.575	0.5	0.475	0.0085

Notes:
< - Non detect at the established method detection limit.
* Screening level for endrin aldehyde and endrin ketone was developed for endrin
A highlighted cell indicates levels are elevated above agency screening levels
EPA= Environmental Protection Agency, RSL= Regional Screening Levels
DTSC= Department of Toxic Substances Control, SLs= Screening Levels
Samples analyzed by EPA Method 8081A
EPA Region 9 Regional Screeening Level Nov 2020 Residential soil in mg/kg; DTSC SLs 2020 residential soil mg/kg
The complete laboratory analytical reports are included in Appendix E.

TABLE 3
SUMMARY TABLE OF TPH IN SOIL
Proposed Preserve School #2
Chino Valley Unified School District
Chino, California

Concentration (milligram per kilogram [mg/kg])					
Sample Number	**Sample Depth**	**Sample Date**	**C4-C12**	**C13-C22**	**C23-C40**
B-3	0.5'	11/5/2020	<0.20	<10	<20
B-3 DUP	0.5'	11/5/2020	<0.20	<10	<20
B-11	0.5'	11/5/2020	<0.20	<10	<20
B-13	0.5'	11/5/2020	<0.20	<10	<20
B-16	0.5'	11/5/2020	<0.20	<10	<20

Notes:
< - Non detect at the established method detection limit.
Samples analyzed by EPA Method 8015 B
The complete laboratory analytical reports are included in Appendix E.

TABLE 4
SUMMARY TABLE OF ARSENIC IN SOIL
Proposed Preserve School #2
Chino Valley Unified School District
Chino, California

			Concentration (milligrams per kilogram [mg/kg])
Sample Number	**Sample Depth**	**Sample Date**	**Arsenic**
B-3	0.5'	11/5/2020	<1.00
B-3 DUP	0.5'	11/5/2020	<1.00
B-4	0.5'	11/5/2020	<1.00
B-9	0.5'	11/5/2020	<1.00
B-13	0.5'	11/5/2020	<1.00
B-15	0.5'	11/5/2020	<1.00
B-22	0.5'	11/5/2020	<1.00
DTSC SL			12

Notes:
< - Non detect at the established method detection limit.
DTSC= Department of Toxic Substances Control, SL= Screening Level
The complete laboratory analytical reports are included in Appendix E.

TABLE 5
SUMMARY TABLE OF METHANE IN SOIL GAS
Proposed Preserve School #2
Chino Valley Unified School District
Chino, California

			Concentration (Parts per million by volume [PPMV])	
Sample Number	**Sample Date**	**Sample Depth**	**Methane by MicroFID**	**Methane by ASTM D1946**
SG-1	11/6/2020	5.0'	<0.5	NA
	11/6/2020	15.0'	<0.5	NA
SG-2	11/6/2020	5.0'	<0.5	NA
	11/6/2020	15.0'	<0.5	NA
SG-3	11/6/2020	5.0'	<0.5	NA
	11/6/2020	15.0'	<0.5	NA
SG-4	11/6/2020	5.0'	**22.9**	<5000
	11/6/2020	15.0'	<0.5	NA
SG-5	11/6/2020	5.0'	<0.5	NA
	11/6/2020	15.0'	<0.5	NA
SG-6	11/6/2020	5.0'	<0.5	NA
	11/6/2020	15.0'	<0.5	NA
SG-7	11/6/2020	5.0'	<0.5	NA
	11/6/2020	15.0'	<0.5	NA
SG-8	11/6/2020	5.0'	<0.5	<5000
	11/6/2020	15.0'	<0.5	NA
Maximum Concentration Detected			22.9	<5000

NA: Not applicable

< - Non detect at the established method detection limit.

The complete laboratory analytical reports are included in Appendix E.

Figures

Figures

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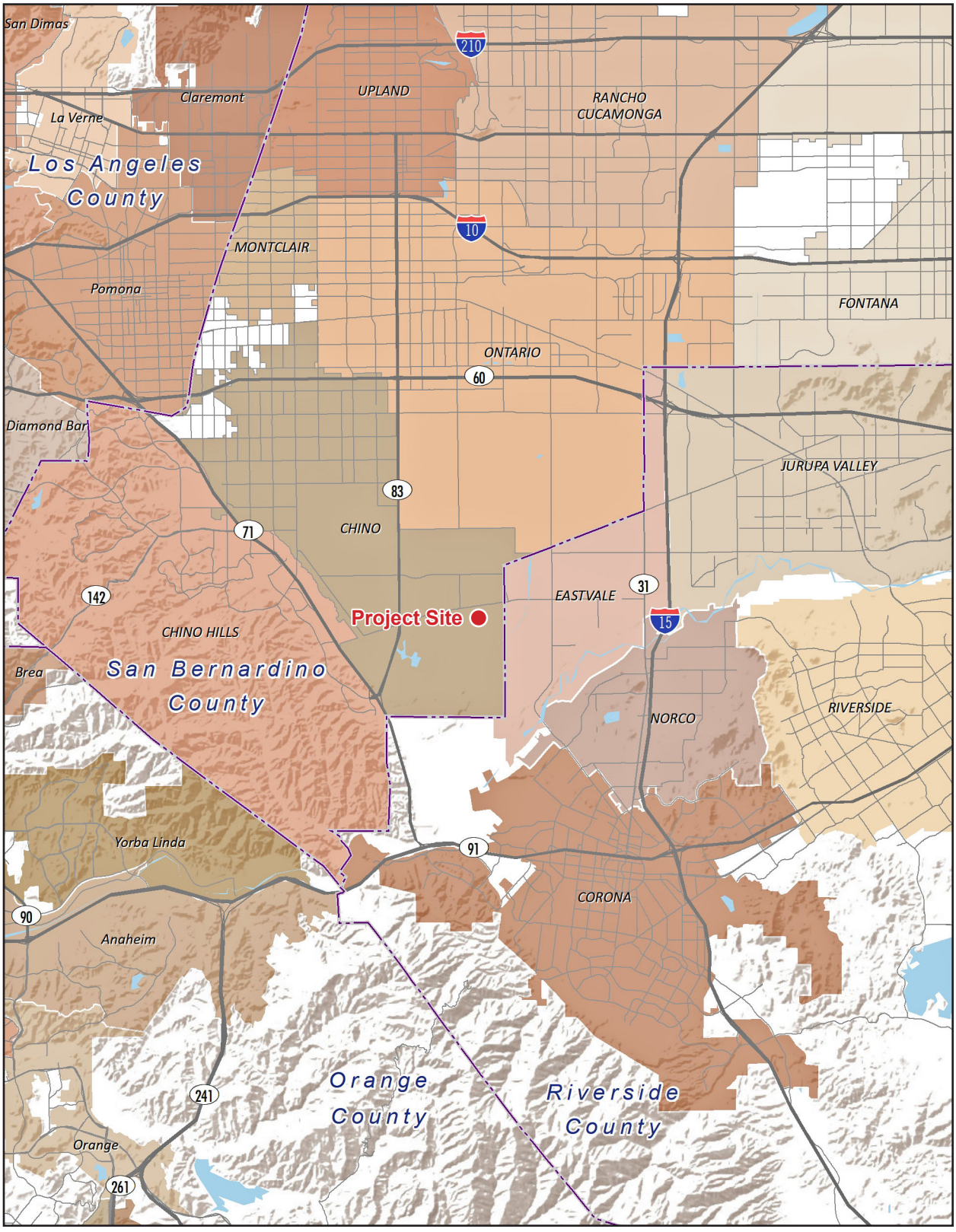
Figure 1 - Regional Location

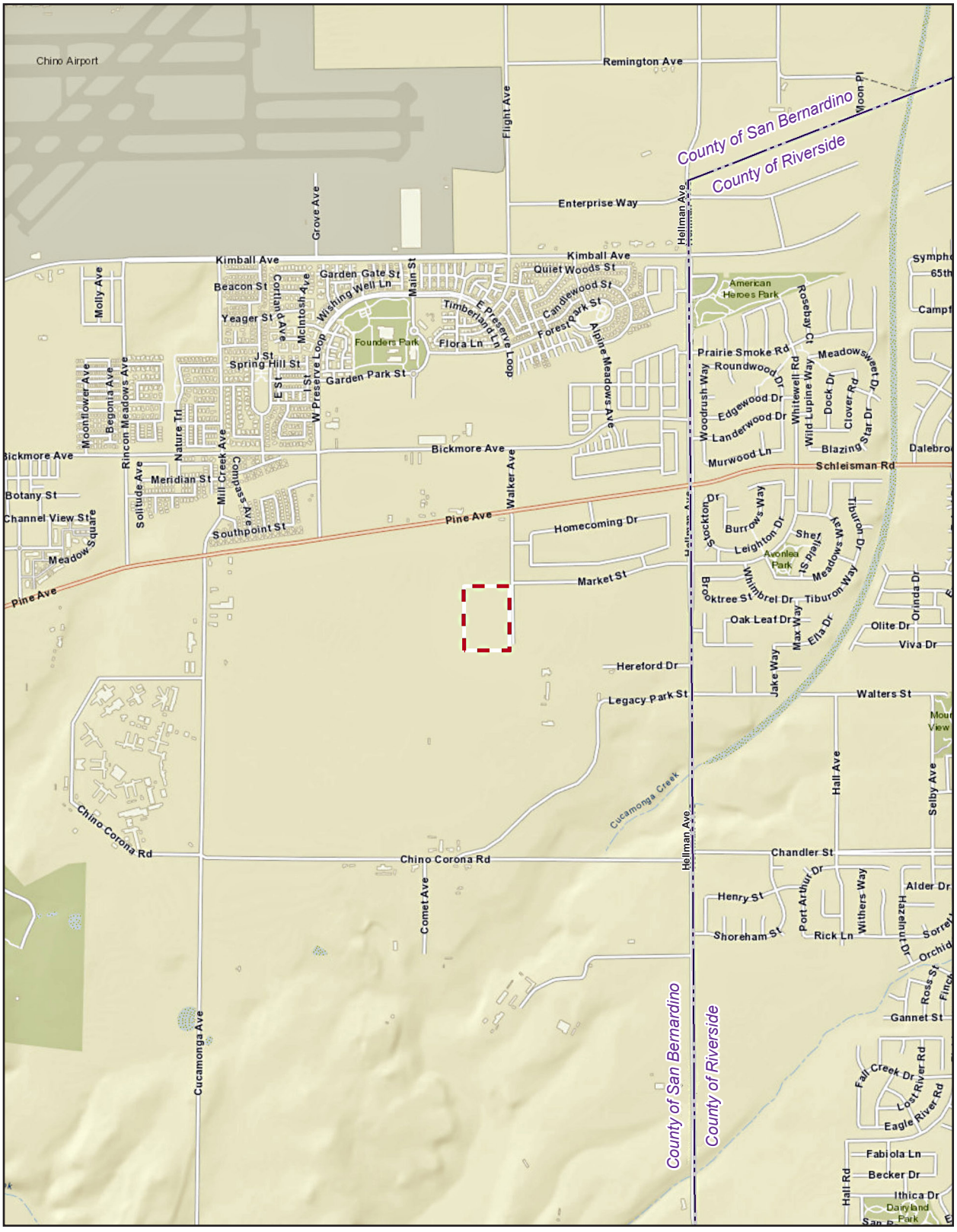


Note: Unincorporated county areas are shown in white.

Source: ESRI, 2019

0 3
Scale (Miles)

Figure 2 - Local Vicinity



0 2,000
Scale (Feet)

Source: ESRI, 2019

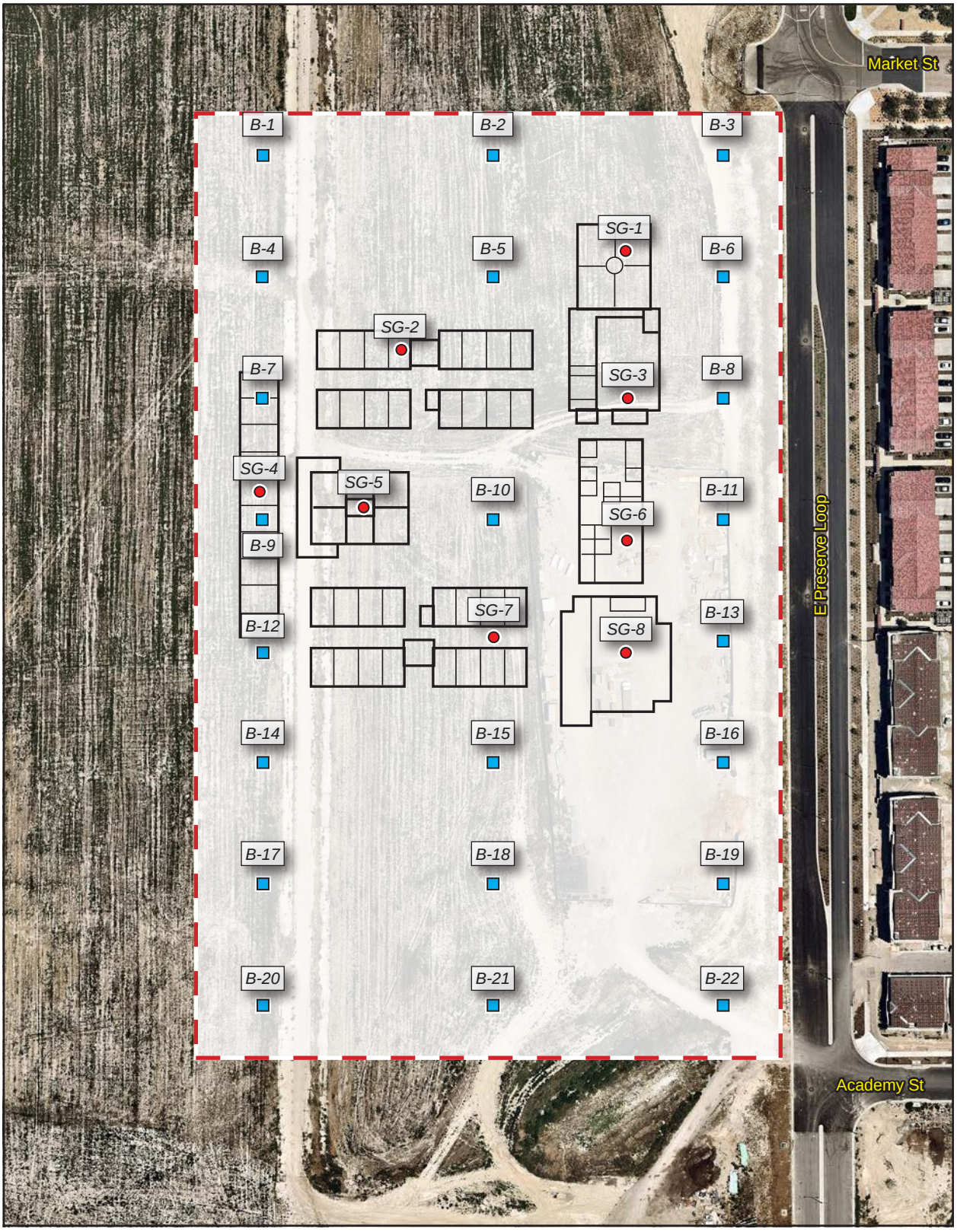
Figure 3 - Aerial Photograph

Project Boundary

0 300
Scale (Feet)

Source: Nearmap, 2019

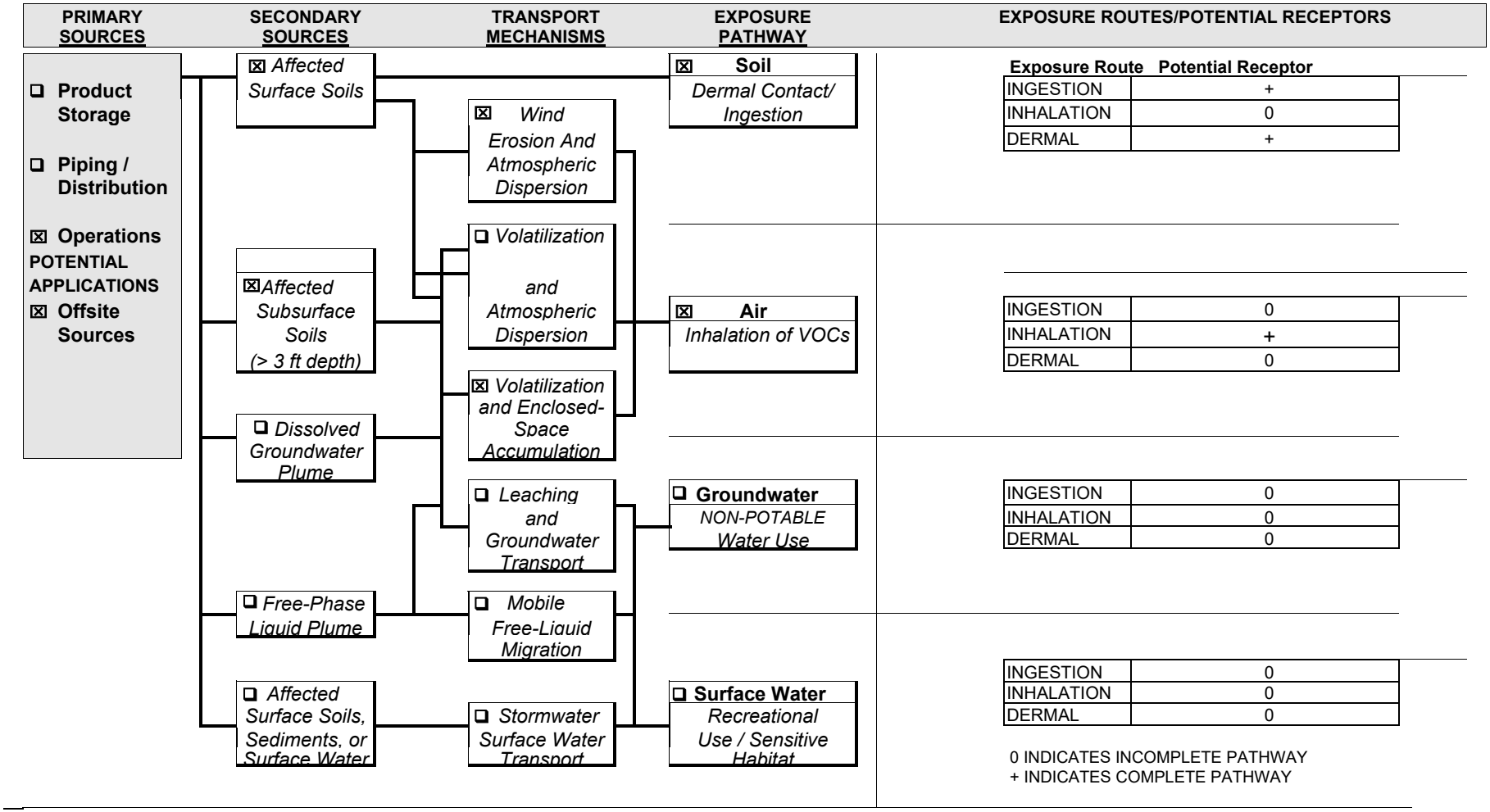
Figure 4 - Sampling Locations



Source: Nearmap, 2019

FIGURE 5 CONCEPTUAL SITE MODEL

Proposed Preserve #2 Elementary School
Chino Valley Unified School District
Chino, California



Appendix A. Site Photographs

Appendix

This page intentionally left blank.

PLACEWORKS

SITE PHOTOGRAPHS

Client Name:	Chino Valley Unified School District
Site Location:	Southwest corner of East Preserve Loop and Market Street, Chino, California
Project No.:	CVUS-06.0

Photo No:	**Date:**
1	11/5/2020

Description:

View of northern portion of the site, looking east.

Photo No:	**Date:**
2	11/5/2020

Description:

View of eastern portion of the site, looking south.

PLACEWORKS

SITE PHOTOGRAPHS

Client Name: Chino Valley Unified School District

Site Location: Southwest corner of East Preserve Loop and Market Street, Chino, California

Project No.: CVUS-06.0

Photo No:	Date:
3	11/2/2020

Description:

View of the site from the south, looking north.

Photo No:	Date:
4	11/5/2020

Description:

View of the site, looking southwest.

Appendix B. Research Documentation

Appendix

This page intentionally left blank.


INQUIRY #: 5780643.8
YEAR: 1953
= 500'
N
EDR

INQUIRY #: 5780643.8

YEAR: 1948

= 500'

N

EDR

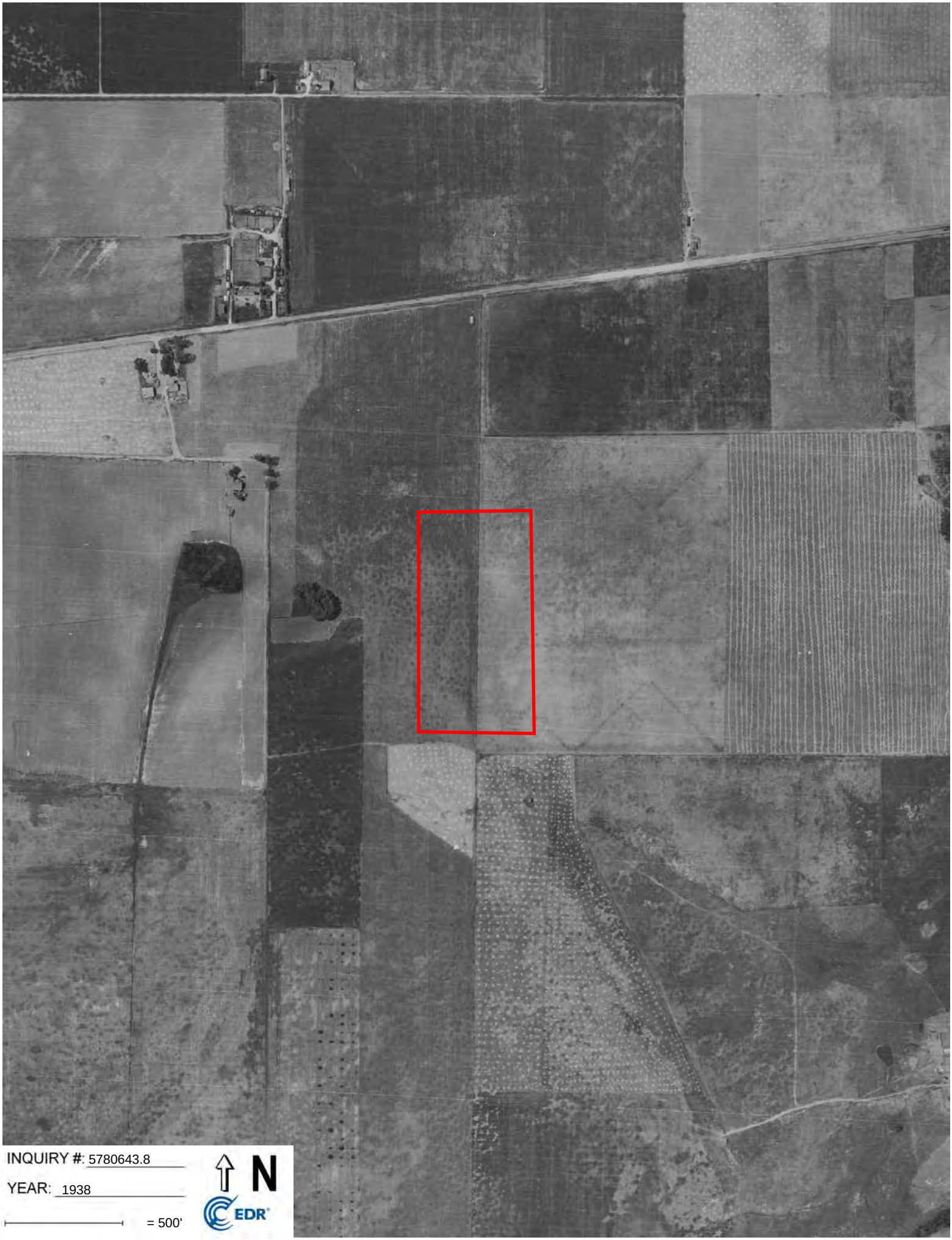
INQUIRY #: 5780643.8

YEAR: 1946

= 500'

N

EDR



INQUIRY #: 5780643.8

YEAR: 1938

= 500'

N

EDR

INQUIRY #: 5780643.8

YEAR: 1931

= 500'

N

EDR

The Preserve Elementary School

Not Reported

Chino, CA 91708

Inquiry Number: 5780643.4

September 06, 2019

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

09/06/19

Site Name:	Client Name:
The Preserve Elementary Schc	PlaceWorks
Not Reported	3 MacArthur Place Suite 1100
Chino, CA 91708	Santa Ana, CA 92707
EDR Inquiry # 5780643.4	Contact: Denise Clendening

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by PlaceWorks were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	CVUS-06.0	**Latitude:**	33.955089 33° 57' 18" North
Project:	The Preserve Elementary Schc	**Longitude:**	-117.6199 -117° 37' 12" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	442723.05
		UTM Y Meters:	3757349.42
		Elevation:	591.00' above sea level

Maps Provided:

2012	1933
1981	1902
1973	
1967	
1949	
1947	
1942	
1941	

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

Corona North
2012
7.5-minute, 24000

Prado Dam
2012
7.5-minute, 24000

1981 Source Sheets

Corona North
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Prado Dam
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1973 Source Sheets

Corona North
1973
7.5-minute, 24000
Aerial Photo Revised 1973

Prado Dam
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets

Corona North
1967
7.5-minute, 24000
Aerial Photo Revised 1966

Prado Dam
1967
7.5-minute, 24000
Aerial Photo Revised 1966

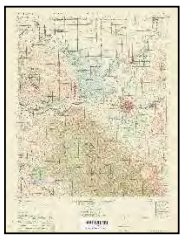
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1949 Source Sheets

Prado Dam
1949
7.5-minute, 24000
Aerial Photo Revised 1946

1947 Source Sheets



CORONA
1947
15-minute, 50000

1942 Source Sheets

Corona and Vicinity
1942
7.5-minute, 31680

1941 Source Sheets

Prado
1941
7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1933 Source Sheets

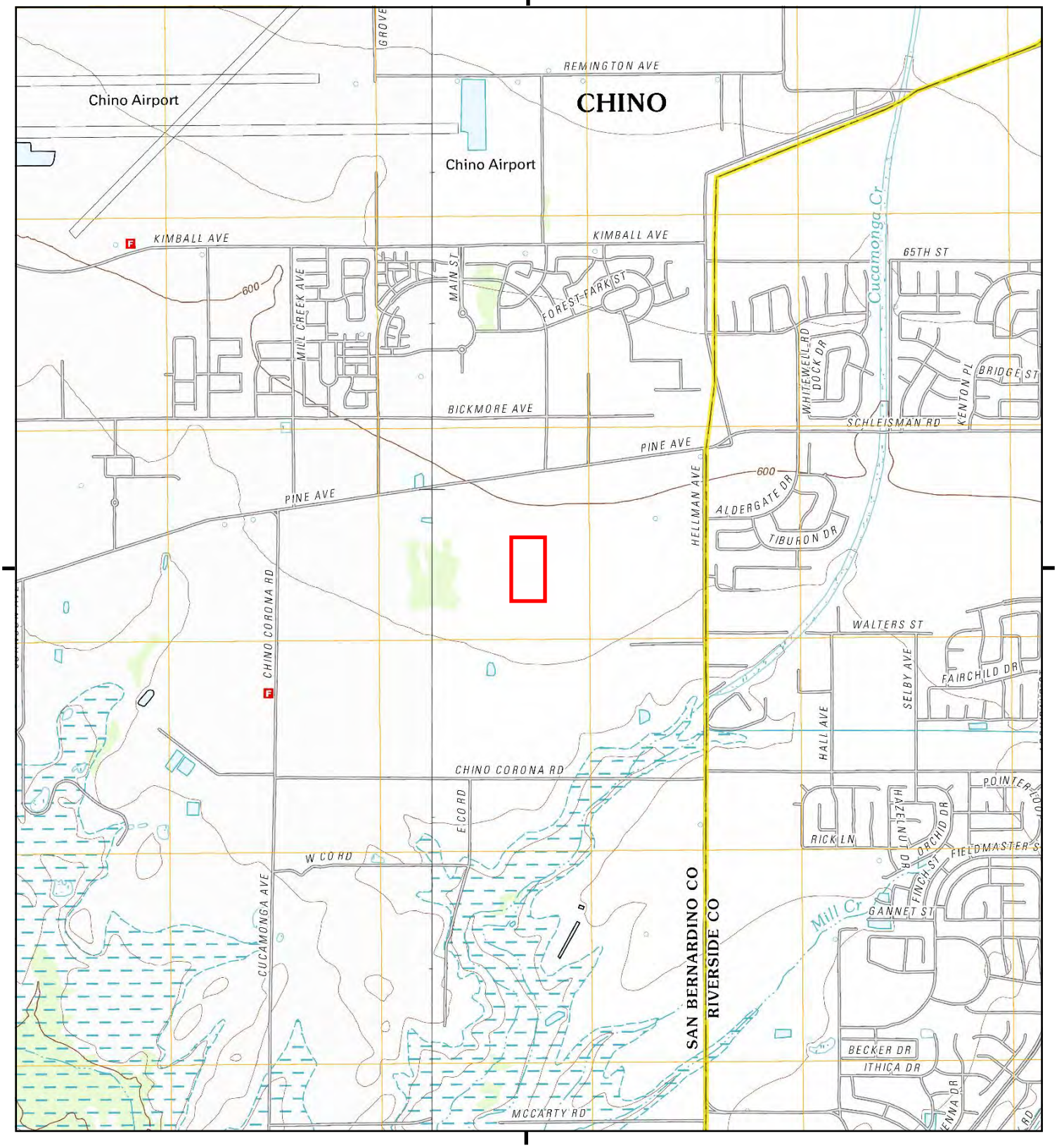
Prado
1933
7.5-minute, 31680

1902 Source Sheets

Corona
1902
30-minute, 125000

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

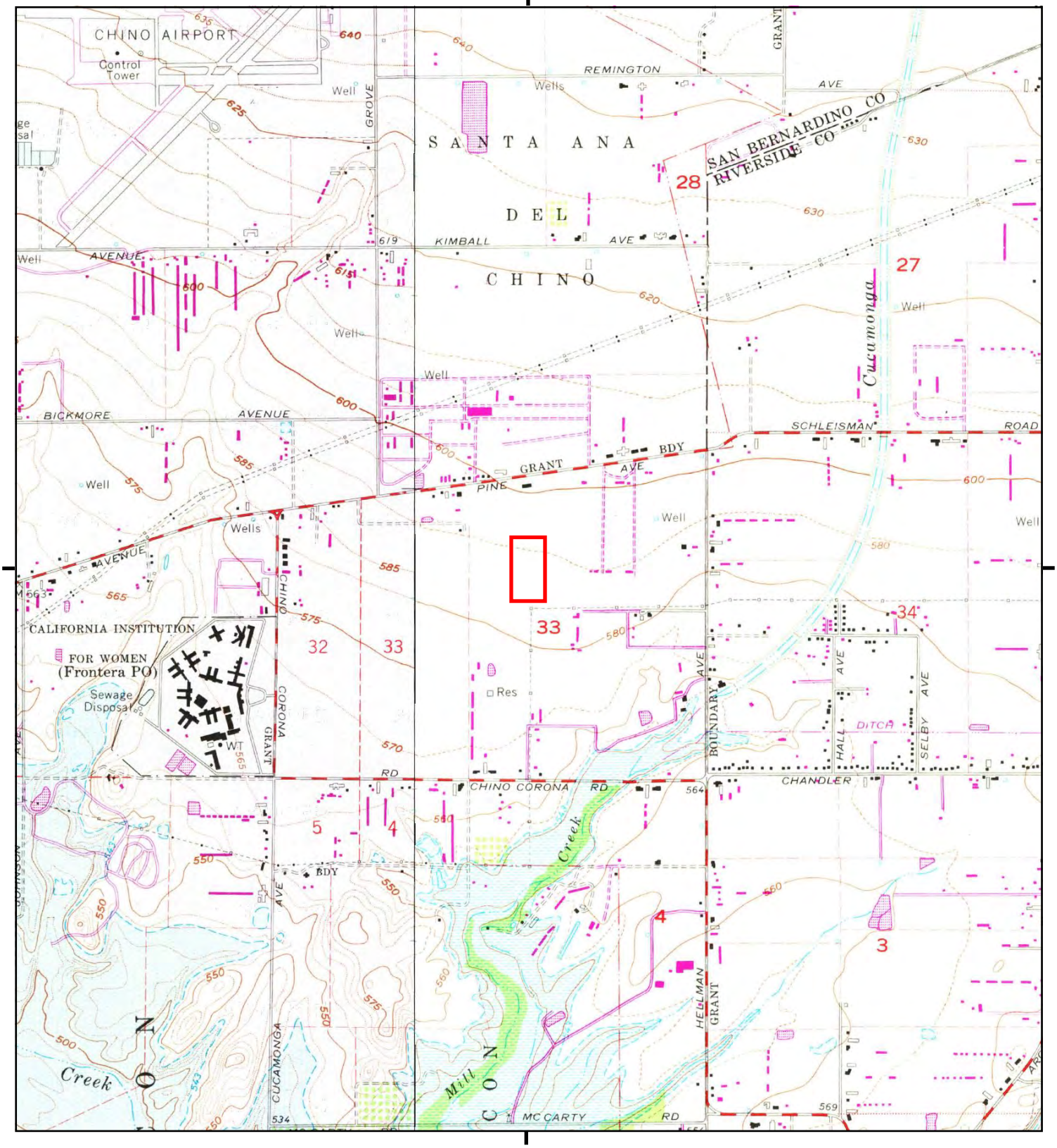
TP, Corona North, 2012, 7.5-minute
W, Prado Dam, 2012, 7.5-minute

SITE NAME: The Preserve Elementary School
ADDRESS: Not Reported
Chino, CA 91708
CLIENT: PlaceWorks

N

Historical Topo Map

1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

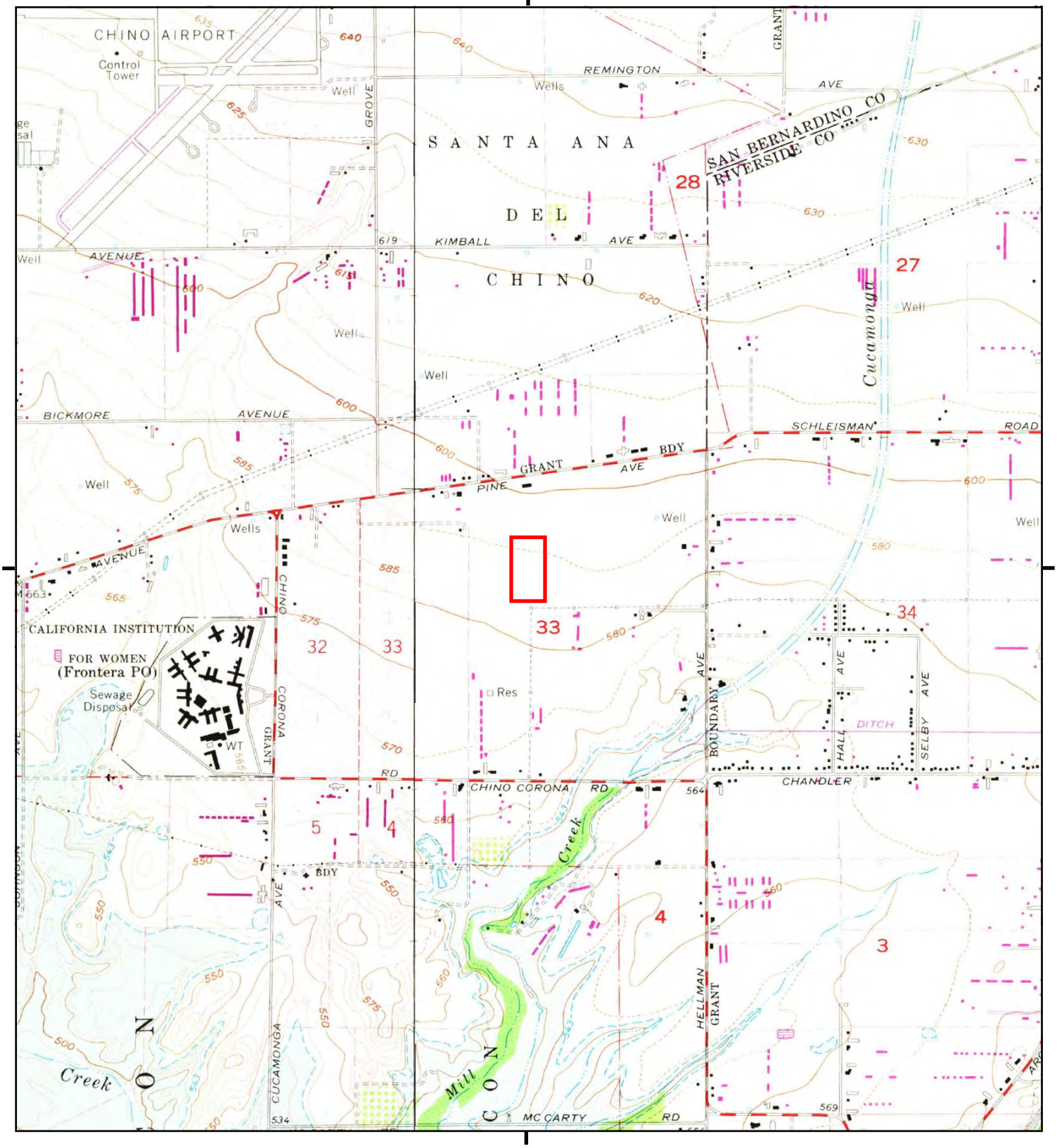
TP, Corona North, 1981, 7.5-minute
W, Prado Dam, 1981, 7.5-minute

SITE NAME: The Preserve Elementary School
ADDRESS: Not Reported
Chino, CA 91708
CLIENT: PlaceWorks

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

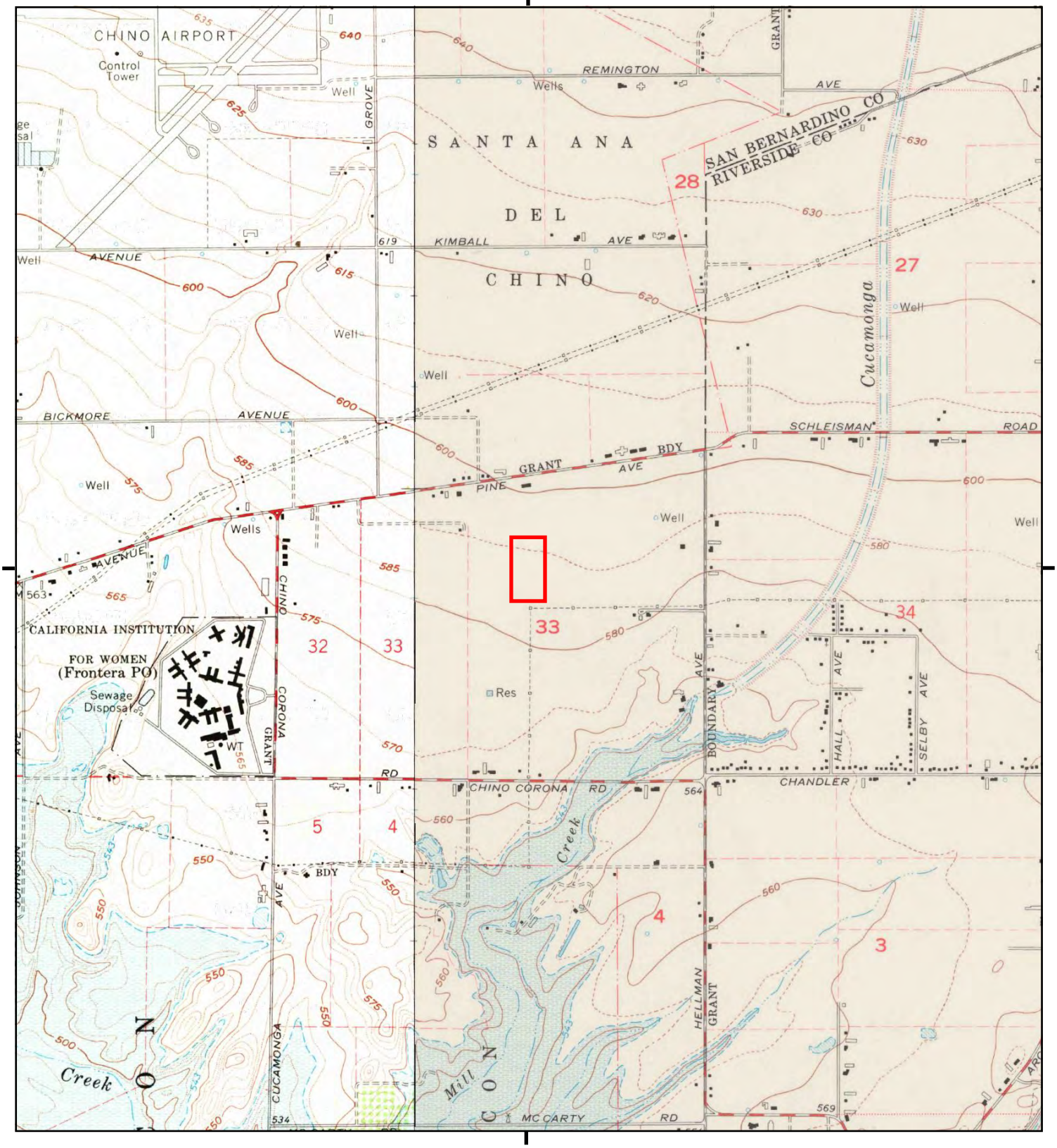
TP, Corona North, 1973, 7.5-minute
W, Prado Dam, 1973, 7.5-minute

SITE NAME: The Preserve Elementary School
ADDRESS: Not Reported
Chino, CA 91708
CLIENT: PlaceWorks

N

Historical Topo Map

1967



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

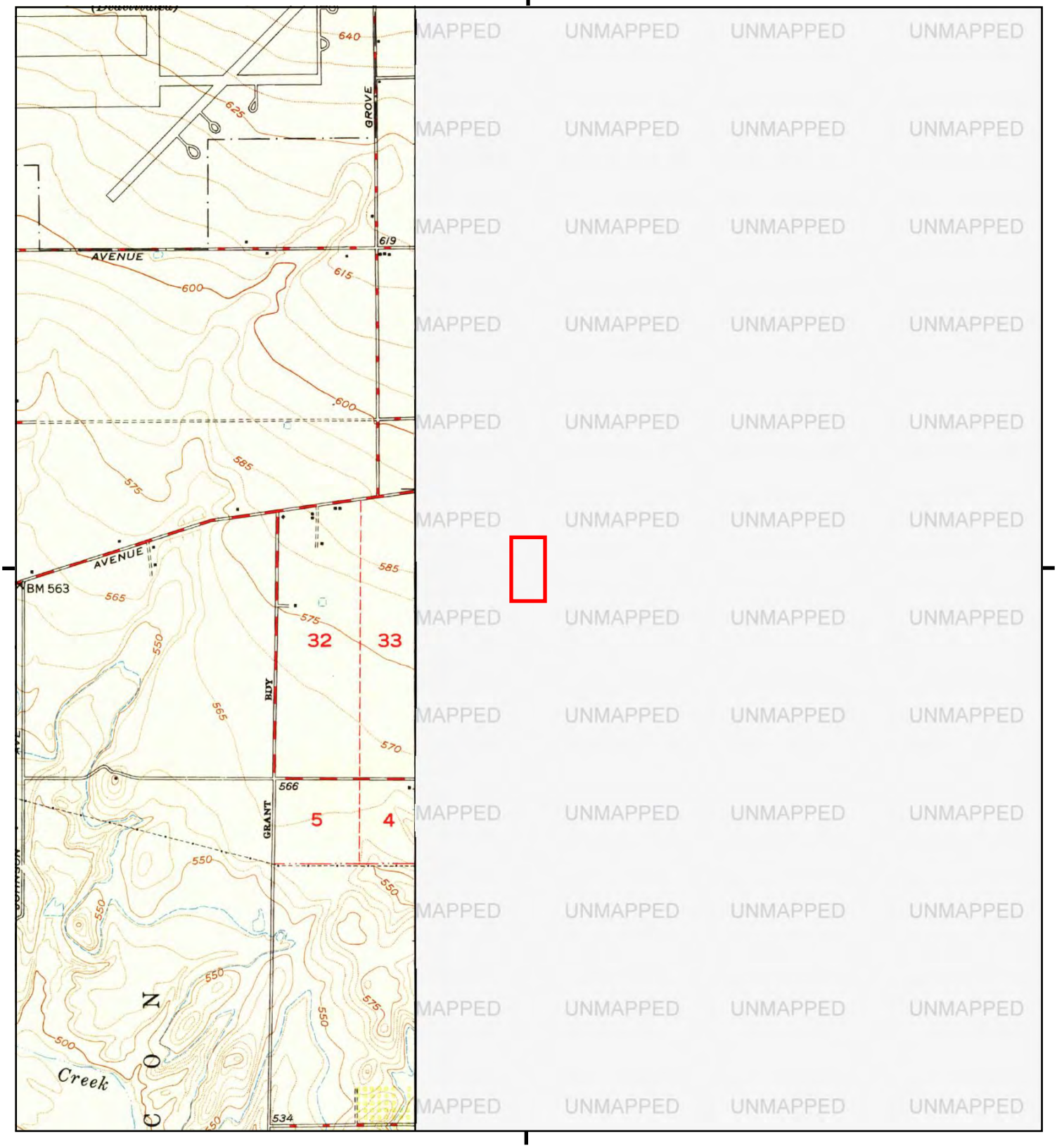
TP, Corona North, 1967, 7.5-minute
W, Prado Dam, 1967, 7.5-minute

SITE NAME: The Preserve Elementary School
ADDRESS: Not Reported
Chino, CA 91708
CLIENT: PlaceWorks

N

Historical Topo Map

1949



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

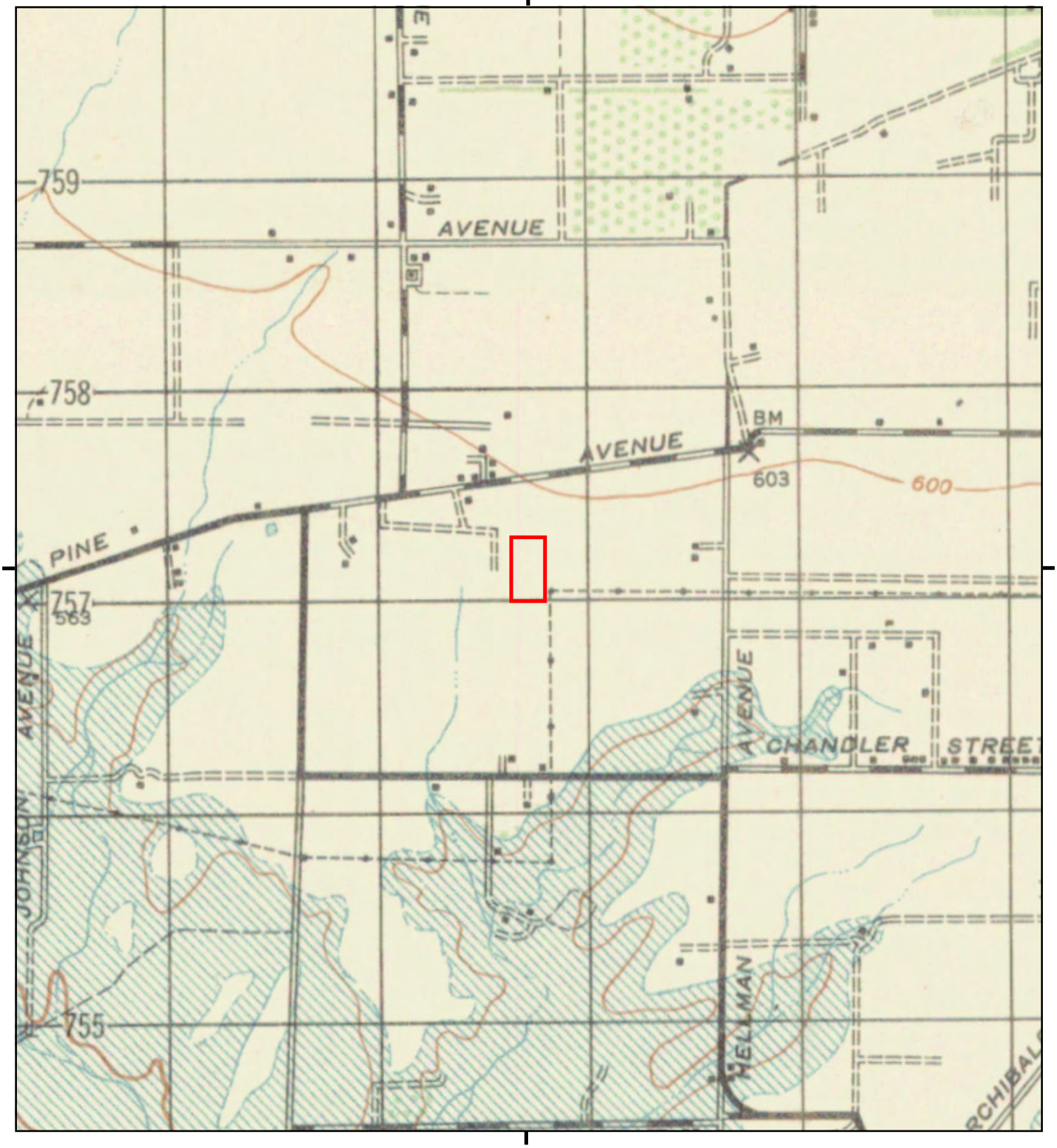
W, Prado Dam, 1949, 7.5-minute

SITE NAME: The Preserve Elementary School
ADDRESS: Not Reported
Chino, CA 91708
CLIENT: PlaceWorks

N

Historical Topo Map

1947



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

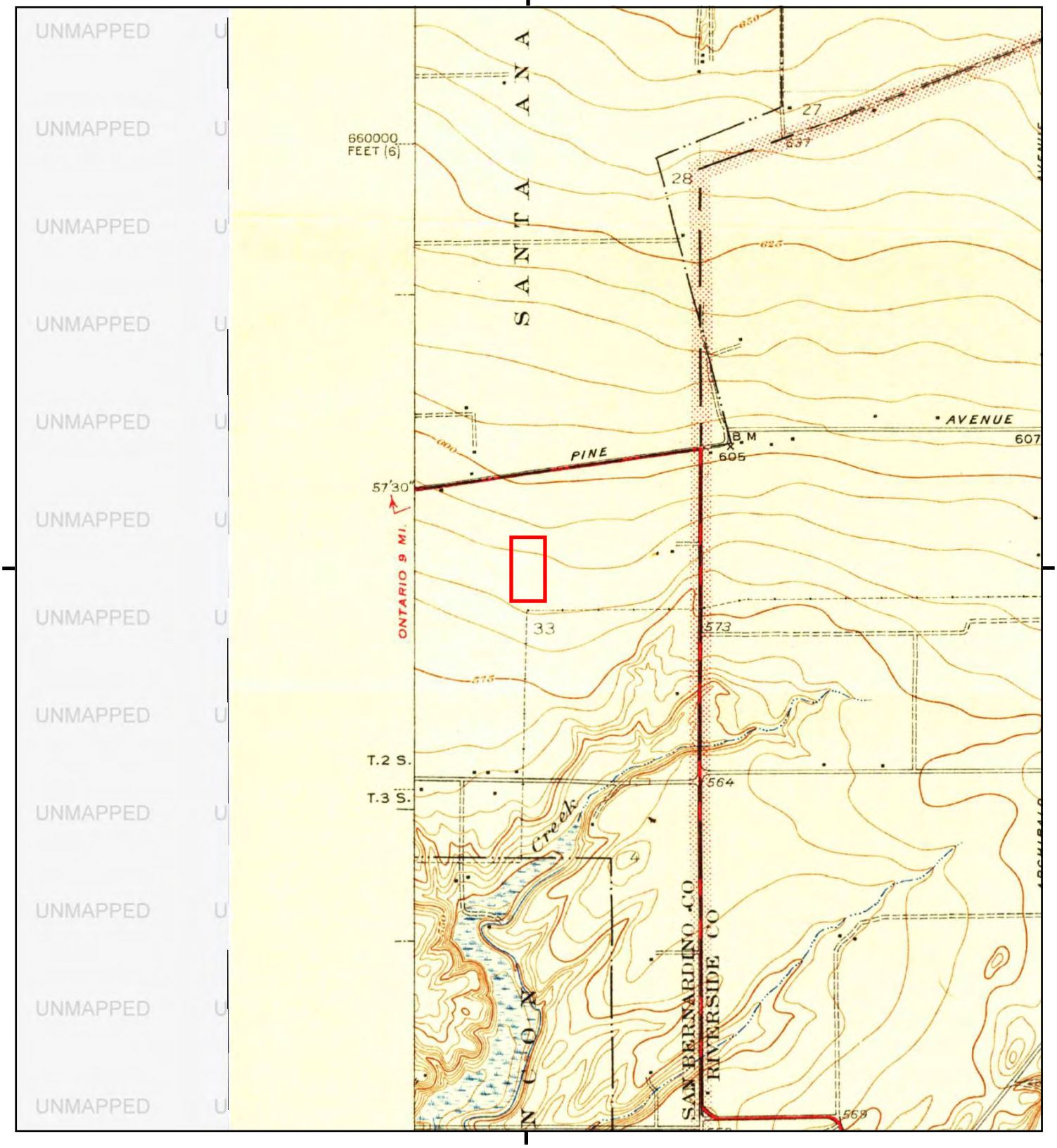
TP, CORONA, 1947, 15-minute

SITE NAME: The Preserve Elementary School
ADDRESS: Not Reported
Chino, CA 91708
CLIENT: PlaceWorks

N

Historical Topo Map

1942



This report includes information from the following map sheet(s).

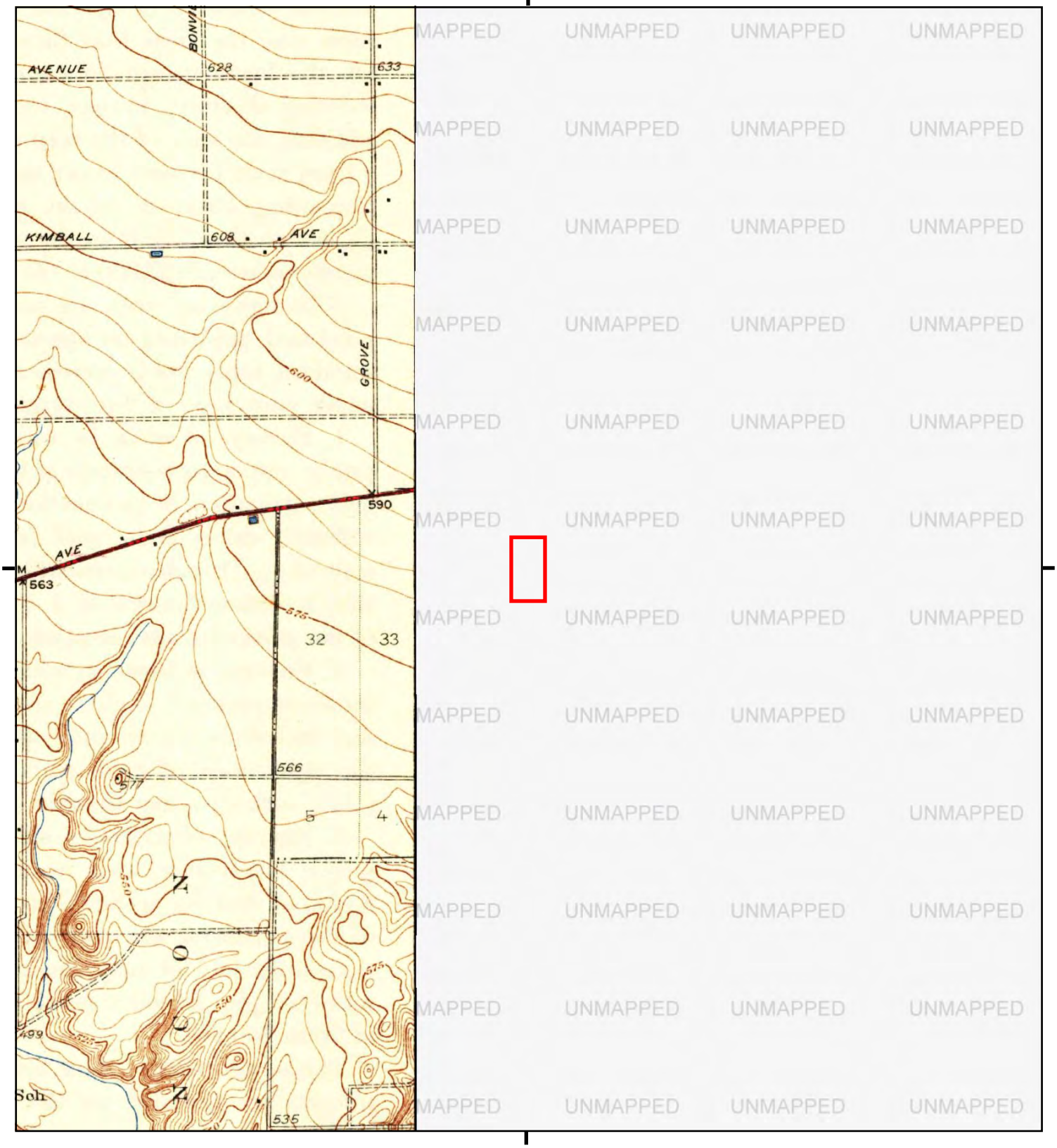
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Corona and Vicinity, 1942, 7.5-minute

SITE NAME: The Preserve Elementary School
ADDRESS: Not Reported
Chino, CA 91708
CLIENT: PlaceWorks

N



This report includes information from the following map sheet(s).

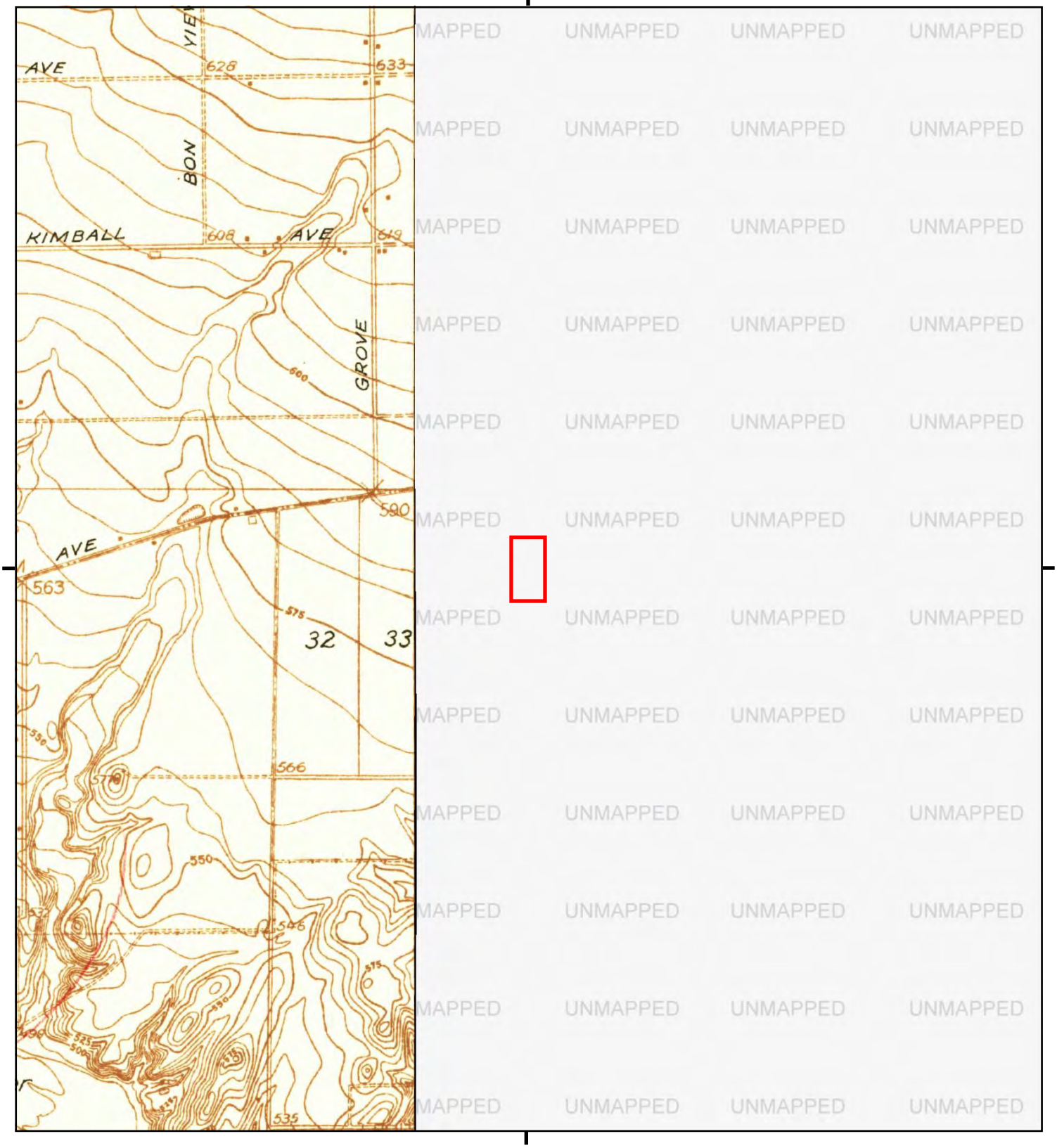
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

W, Prado, 1941, 7.5-minute

SITE NAME: The Preserve Elementary School
ADDRESS: Not Reported
Chino, CA 91708
CLIENT: PlaceWorks

N



This report includes information from the following map sheet(s).

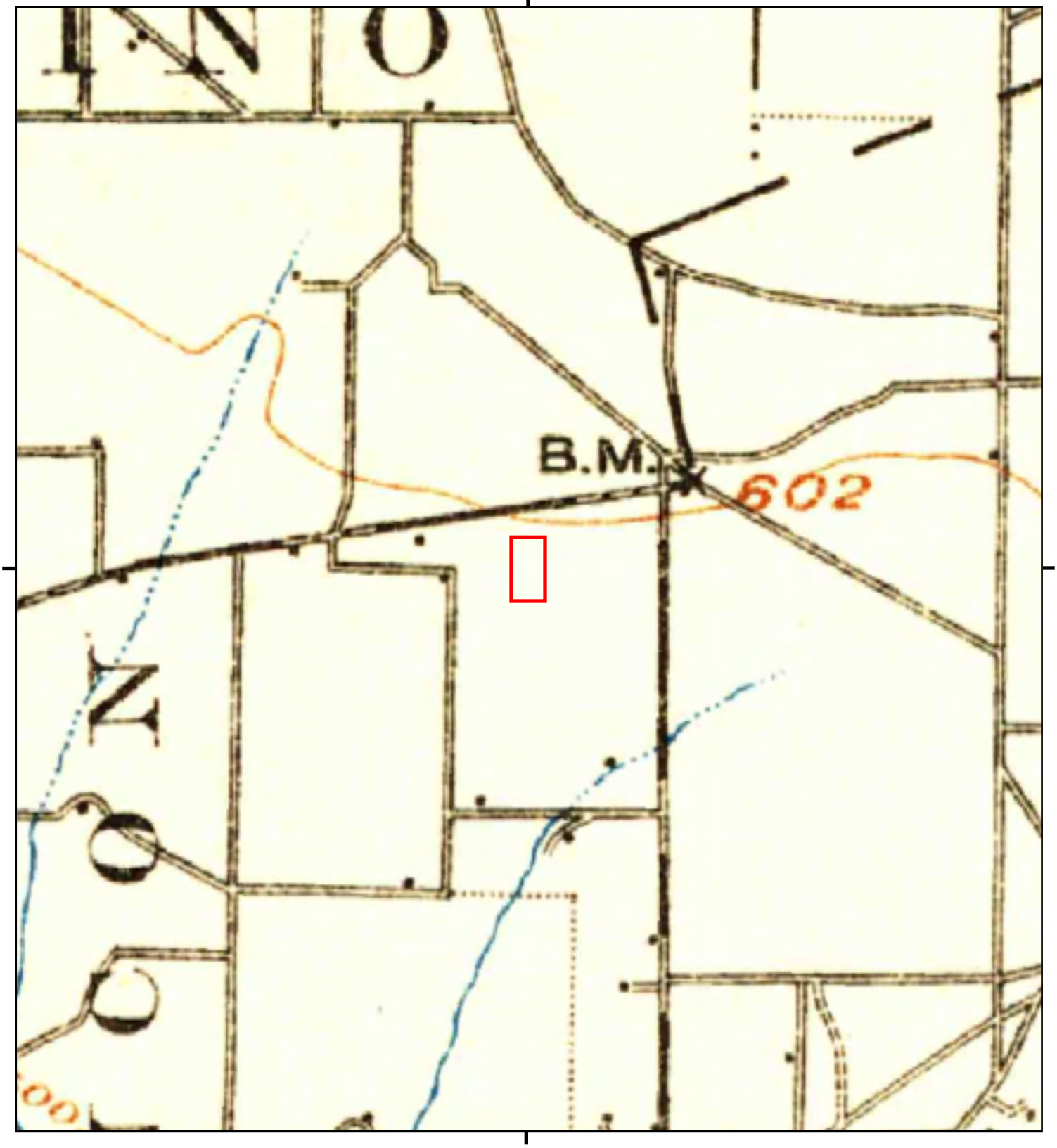
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

W, Prado, 1933, 7.5-minute

SITE NAME: The Preserve Elementary School
ADDRESS: Not Reported
Chino, CA 91708
CLIENT: PlaceWorks

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Corona, 1902, 30-minute

SITE NAME: The Preserve Elementary School
ADDRESS: Not Reported
Chino, CA 91708
CLIENT: PlaceWorks

N

The Preserve Elementary School
Not Reported
Chino, CA 91708

Inquiry Number: 5780643.5
September 06, 2019

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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

EXECUTIVE SUMMARY

DESCRIPTION

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

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by infoUSA®

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	-	-	-
2010	EDR Digital Archive	-	-	-	-
2008	Haines Company, Inc.	-	-	-	-
2003	Haines Co Publishers	-	-	-	-
2002	Cole Information Services	-	-	-	-
1996	GTE	-	-	-	-
1995	GTE Directories	-	-	-	-
1991	GTE California Incorporated	-	-	-	-
1990	GTE California Incorporated	-	-	-	-
1985	GTE	-	-	-	-
1981	General Telephone Company of California	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1980	GTE	-	-	-	-
1975	Pacific Telephone Co	-	-	-	-
1970	General Telephone Company of California	-	-	-	-
1965	GTE	-	-	-	-
1964	Luskey Brothers & Co	-	-	-	-
1961	Luskey Brothers& Co Publishers	-	-	-	-
1960	Luskey Brothers & Co Publishers	-	-	-	-
1956	General Telephone Company Publishers	-	-	-	-
1955	Luskey Brothers Co Publishers	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	The Pacific Telephone and Telegraph Co	-	-	-	-
1949	San Bernardino Directory Co. Publishers	-	-	-	-
1946	Los Angeles Directory Company Publishers	-	-	-	-
1945	Southern Califronia Telephone Company	-	-	-	-
1942	San Bernardino Directory Co Publisher	-	-	-	-
1941	Associated Telephone Company Limited	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Co.	-	-	-	-
1936	San Bernardino Directory Co Publisher	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	-	-	-
1930	San Bernardino Directory Co Publisher	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Company	-	-	-	-
1922	R.L. Polk & Co Publishers	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Not Reported
Chino, CA 91708

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Addresses Found

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
Not Reported	2014, 2010, 2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

The Preserve Elementary School

Not Reported

Chino, CA 91708

Inquiry Number: 5780643.3

September 06, 2019

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

09/06/19

Site Name:

The Preserve Elementary Schc
Not Reported
Chino, CA 91708
EDR Inquiry # 5780643.3

Client Name:

PlaceWorks
3 MacArthur Place Suite 1100
Santa Ana, CA 92707
Contact: Denise Clendening

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by PlaceWorks were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 7E75-4DF4-BA79

PO # CVUS-06.0

Project The Preserve Elementary School

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 7E75-4DF4-BA79

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Santa Ana Regional Water Quality Control Board

June 19, 2013

Attn: Michael Meyer (Court-Appointed Trustee)
The Meyer Law Organization
1730 Evergreen Street
Duarte, California, 91010

SUBJECT: CLOSURE/NO FURTHER ACTION LETTER
STUEVE BROS. FARMS
8300 PINE AVENUE, CHINO

Dear Mr. Meyer:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks (USTs) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former USTs are greatly appreciated.

Based on the information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your UST site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum releases(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund (Fund) more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or

- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

If you have any questions or concerns, please contact Kenneth R. Williams or Nancy Olson-Martin of my staff at (951) 782-4496 or 4497, respectively. You may also contact them via e-mail at kwilliams@waterboards.ca.gov and nolson-martin@waterboards.ca.gov, respectively.

Sincerely,

Kurt V. Berchtold
Executive Officer

Enclosure: Copy of the *Case Closure Summary*

cc w/enclosure:
Addressee (Mike@meyerlaw.org)
SWRCB – UST Cleanup Fund - Mohammad Khan (mkhan@waterboards.ca.gov)
SWRCB – UST Cleanup Fund – Kirk Larson (ktlarson@waterboards.ca.gov)
Daily and Knudson Law Group, LLP – James D. Daily (Attorney for Stueve Bros. Farms)
AB-Geoscience & Environmental Consultants – Amir Rouhani (arouhani@cox.net)
Falcon Crest Farms, LLC - Ronald Pietersma (Property Owner)

NOM/Stueve Bros Farms_8300 Pine Ave_Chino_Closure Letter.061913

CASE CLOSURE SUMMARY

AGENCY INFORMATION **DATE: JUNE 19, 2013**

AGENCY NAME: California Regional Water Quality Control Board – Santa Ana Region (#8)	**ADDRESS:** 3737 Main Street, Suite 500
CITY/STATE/ZIP: Riverside, CA 92501	**PHONE:** (951) 782-4497
STAFF: Nancy Olson-Martin	**TITLE:** Sanitary Engineering Associate

II. CASE INFORMATION

SITE NAME:	Stueve Bros. Farms
LOCATION:	8300 Pine Avenue, Chino, CA
RB CASE #:	083603288T

CONTACT/BUSINESS NAME	**ADDRESS**	**PHONE NUMBER/E-MAIL**
Attn: Michael Meyer (Court-Appointed Trustee)	The Meyer Law Organization – 1730 Evergreen Street, Duarte, California, 91010	(626) 303-0808 Mike@meyerlaw.org

Tank No.	[1]Size in Gallons	Contents	Closed In-Place Removed?	Date
#1	10,000-gallon	Diesel	Removed	September 23,1998
#2	10,000-gallon	Diesel	Removed	September 23, 1998
#3	10,000-gallon	Gasoline	Removed	September 23, 1998
#4	550-gallon	Lube Oil	Removed	September 23, 1998
#5	550-gallon	Waste Oil	Removed	September 23, 1998

[1]All of the tanks were single-walled steel tanks with no secondary containment and no electronic monitoring according to the San Bernardino County Fire Department's June 8, 1998 report titled *UST Inspection Report.*

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

CAUSE & TYPE OF RELEASE: Unknown	
SITE CHARACTERIZATION COMPLETE: YES [X] NO [ ]	
MONITORING WELLS INSTALLED: Yes	**PROPER SCREENED INTERVAL:** YES [X] NO [ ]
HIGHEST GW DEPTH BELOW GROUND SURFACE (BGS): 54.63 feet bgs (2009)	**LOWEST DEPTH:** 75.0 feet bgs (2002-2003)
FLOW DIRECTION: South/southwest, but alternately changed toward the northeast due to the remediation system	**NEAREST/AFFECTED SW NAME:** NA
MOST SENSITIVE CURRENT GW USE: MUN	**OFF-SITE BENEFICIAL USE IMPACTS:** NA
GROUNDWATER BASIN: Chino Basin	**REPORT(S) FILED:** Regional Water Quality Control Board- Santa Region (#8)
REPORT(S) ON FILE? Yes	**ADDRESS:** 3737 Main Street, Suite 500, Riverside, CA 92501

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
MATERIAL	**AMOUNT**	**ACTION TREATMENT OR DISPOSAL W/DESTINATION**	**DATE**
TANKS/ PIPING	Five (5) USTs and 1,450 Gallons (Mixture of Diesel, Gasoline, Water and Motor Oil)	Three (3) 10,000-gallon and two (2) 550-gallon underground storage tanks (USTs) were removed from the site by [1]Soncoast Rental (Yank-A-Tank). The USTS were transported by Western Environmental to Rumetco Recycling located in Wilmington, California. The excavated soil was placed under an on-site bio-treatment cell. A total of 1,450 gallons of diesel, gasoline, motor oil, and water mixture were transported by RC Environmental to the Crosby & Overton facility located in Long Beach, California.	September 23, 1998
SOIL	3,321 Pounds (Hydrocarbons)	A soil vapor extraction (SVE) system operated at the site. The system was connected to five (5) SVE wells (VE1 through VE5). In April 2003, the thermal/catalytic oxidation unit was replaced with a VES/carbon adsorption unit.	October 31, 2002 through April 2003
SOIL AND/OR GROUND-WATER	15,941 Pounds (Hydrocarbons) 2003 through 2012	Contaminated soil and groundwater were further remediated by a VES/carbon adsorption unit equipped with an air sparge system. A total of 5 multi-nested sparge wells (ASW1 through ASW5) and seven (7) vapor extraction wells (VE1 through VE7) were connected to the system. The system was deactivated on February 29, 2008 to reevaluate the system performance and conduct soil confirmation sampling. From December 2011 through April 2012, additional remediation was conducted on well VE8, which was drilled in the location of former confirmation soil boring CB4 to further remediate the localized residual contamination that remained in that area of the site.	October 2003 to February 29, 2008 and December 29, 2011 through April 14, 2012
		Groundwater and post-remedial monitoring and sampling events were completed.	May 1999 through April 2012

[1]Soncoast Rental (Yank-A-Tank) filed for bankruptcy in 1999. Mr. Harold Stueve, the owner of the Stueve Bros. Farm, died in 1999. Mr. Stueve's successor, Mr. Boyd Clark, died shortly thereafter. So no actual *UST Removal Report* was found. However, a letter report (including copies of the laboratory analytical results) was submitted.

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS – BEFORE & AFTER CLEANUP

CONTAMINANT	*SOIL - Maximum (mg/kg or ppm)* PRE-REMEDIATION		POST-REMEDIATION	*WATER – Maximum (µg/l or ppb)*	
	Tank Removal [1]Sept. 1998	Site Investigations 1999-2005	Confirmation Soil Borings: [2]June 2005, [3]June 2008, and [4]December 2011	**Historical Results** [5,6]1999 – 2012	**Latest Event** [5,6]April 10, 2012
Total Petroleum Hydrocarbons-gasoline (TPH-g)	**3,100** (T-3W)	**6,300** (B1-35')	[2]**3,670** (CB2-30') [3]**<14,100** (CB4-25' & 35') [4]**<5.9** (VE8-30')	[5]**57,700** (EW1-2/02) [6,7]**ND<50**	[5]**394** (EW1) [6]**ND<50**
TPH-diesel (TPH-d)	**590** (SP-3)	**1,700** (B1-25')	[2]**ND** (<10) [3]**ND** (<10 ppm) [4]**NA**	[5]**1,000** (MW2-5/99) [6]**1,700** (MW3D-12/05)	[5,6,7]**NA**
Total Recoverable Petroleum Hydrocarbons (TRPH)	**10** (T-5)	**NA**	[2]**NA** [3]**ND** [4]**NA**	[5,6]**NA**	[5,6]**NA**
Lead (Method 7420)	**9.3** (SP-1)	**NA**	[2]**ND** [3,4]**NA**	[5,6]**NA**	[5,6]**NA**
Benzene	**12** (T-3W)	**73** (B1-35')	[2]**9.97** (CB2-50') [3]**<69.4** (CB4-35') [4]**0.049** (CB5-60')	[5]**12,900** (EW1-2/02) [6]**ND<1.0**	[5]**4.87** (EW1) [6]**ND<1.0**
Toluene	**140** (T-3W)	**400** (B1-35')	[2]**179** (CB2-30') [3]**<773** (CB4-25') [4]**0.098** (CB5-60')	[5]**3,960** (EW1-3/05) [6]**ND<1.0**	[5,6]**ND<1.0**

[1]In September 1998, a total of four (4) soil samples (T4, T4, T5, and SP5) were collected and analyzed for halogenated volatile organic compounds (HVOCs). All of these results were non-detected (ND). A total of eight (8) soil samples were analyzed by EPA Method 7420 for lead.

[2]Initial soil confirmation borings CB1 and CB2 were drilled on June 22, 2005. Only benzene, toluene, total xylenes, fuel oxygenates, and ethanol were analyzed.

[3]The results include the June 3, 2008 confirmation soil borings CB3 and CB4. Also, samples were analyzed by EPA Method 8015M for oil range organics. All of the results for oil range organics were ND (<50 ppm).

[4]The results include the December 2011 soil results for soil confirmation borings CB5 and CB6 and vapor extraction well VE8. Confirmation soil boring CB5 was drilled approximately 10 feet south of former soil confirmation boring CB4 (generally, the highest 2008 contaminant concentrations were detected in samples collected from this boring). Vapor extraction well VE8 was drilled at the former location of CB4. In April 2012, additional SVE was conducted on well VE8. Therefore, the June 2, 2008 and December 2011 contaminant concentrations detected for borings VE8 and CB4 (and likely surrounding area) were further reduced (<) by the SVE.

[5]The results include shallow wells MW1, MW2, MW3 (MW3 was only sampled from May 1999 through February 2002), MW4, MW5, and EW1.

[6]Groundwater results (December 2005 through April 2012) for deeper screened well MW3D.

[7]ND = not detected at or above laboratory detection limits and NA = compound was not analyzed.

Continued:

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS – BEFORE & AFTER CLEANUP

CONTAMINANT	*SOIL - Maximum (mg/kg or ppm)* PRE-REMEDIATION		POST-REMEDIATION	*WATER – Maximum (µg/l or ppb)*	
	Tank Removal [1]Sept. 1998	Site Investigations 1999-2005	Confirmation Soil Borings: [2]June 2005, [3]une 2008, and [4]December 2011	**Historical Results** [5,6]1999 – 2012	**Latest Event** [5,6]April 10, 2012
Ethylbenzene	**62** (T-3W)	**100** (B1-35')	[2]**67** (CB2-30') [3]**<236** (CB4-25') [4]**0.143** (CB5-60')	[5]**647** (EW1-6/05) [6]**ND<1.0**	[5]**1.10** (EW1) [6]**ND<1.0**
Total Xylenes	**62** (T-3W)	**640** (B1-35')	[2]**441** (CB2-30') [3]**<1,409** (CB4-25') [4]**0.340** (CB5-60')	[5]**8,030** (EW1-6/06) [6]**ND<3.0**	[5]**3.40** (EW1) [6]**ND<3.0**
Methyl Tertiary Butyl Ether (MTBE)	**15** (T-3W)	**120** (VE1-40')	[2,3,4]**ND**	[5]**2,170** (EW1-2/02) [6]**ND<2.0**	[5,6]**ND<2.0**
Tert-Butyl Alcohol (TBA)	**NA**	**NA**	[2,3,4]**ND**	[5]**56** (EW1-4/12) [6]**ND<10**	[5]**56** (EW1) [6]**ND<10**
Di-Isopropyl Ether (DIPE)	**NA**	**NA**	[2,3,4]**ND**	[5]**38.6** (EW1-4/12) [6]**ND<2.0**	[5]**38.6** (EW1) [6]**ND<2.0**
Ethanol	**NA**	**NA**	[2,3]**ND** [4]**NA**	[5,6]**ND**	[5,6]**NA**
1,2-Dichloroethane	**NA**	**NA**	[2,3]**ND** [4]**0.0013** (CB6-35')	[5]**24.9** (EW1-4/12) [6]**ND**	[5]**24.9** (EW1-4/12) [6]**ND<1.0**
Naphthalene	**NA**	**NA**	[2,3]**ND** [4]**0.230** (VE8-30')	[5]**4.17** (EW1-8/11) [6]**ND**	[5]**1.71** (EW1) [6]**ND<1.0**

[1]In September 1998, a total of four (4) soil samples (T4, T4, T5, and SP5) were collected and analyzed for halogenated volatile organic compounds (HVOCs). All of these results were non-detected (ND). A total of eight (8) soil samples were analyzed by EPA Method 7420 for lead.

[2]Initial soil confirmation borings CB1 and CB2 were drilled on June 22, 2005. Only benzene, toluene, total xylenes, fuel oxygenates, and ethanol were analyzed.

[3]The results include the June 3, 2008 confirmation soil borings CB3 and CB4. Also, samples were analyzed by EPA Method 8015M for oil range organics. All of the results for oil range organics were ND (<50 ppm).

[4]The results include the December 2011 soil results for soil confirmation borings CB5 and CB6 and vapor extraction well VE8. Confirmation soil boring CB5 was drilled approximately 10 feet south of former soil confirmation boring CB4 (generally, the highest 2008 contaminant concentrations were detected in samples collected from this boring). Vapor extraction well VE8 was drilled at the former location of CB4. In April 2012, additional SVE was conducted on well VE8. Therefore, the June 2, 2008 and December 2011 contaminant concentrations detected for borings VE8 and CB4 (and likely surrounding area) were further reduced (<) by the SVE.

[5]The results include shallow wells MW1, MW2, MW3 (MW3 was only sampled from May 1999 through February 2002), MW4, MW5, and EW1.

[6]Groundwater results (December 2005 through April 2012) for deeper screened well MW3D.

Continued:

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS – BEFORE & AFTER CLEANUP

CONTAMINANT	*SOIL - Maximum (mg/kg or ppm)* PRE-REMEDIATION		POST-REMEDIATION	*WATER – Maximum (µg/l or ppb)*	
	Tank Removal [1]Sept. 1998	Site Investigations 1999-2005	Confirmation Soil Borings: [2]June 2005, [3]une 2008, and [4,5]December 2011	**Historical Results** [6,7]1999 – 2012	**Latest Event** [6,7]April 10, 2012
1,2,4-Trimethylbenzene (1,2,4-TMB)	**NA**	**NA**	[2,3]**ND** [4]**0.170** (CB5-60')	[6]**7.92** (EW1-4/12) [7]**ND**	[6]**7.92** [7]**ND<1.0**
1,3,5-Trimethylbenzene	**NA**	**NA**	[2,3]**ND** [4]**0.099** (CB5-60')	[6]**1.29** (EW1-3/12) [7]**ND**	[6]**1.29** (EW1) [7]**ND<1.0**
Chloroethane	**NA**	**NA**	[2,3]**ND** [4]**0.010** (CB5-55' & CB6-45')	[6]**5.87** (EW1-4/12) [7]**ND**	[6]**5.87 (EW1)** [7]**ND<3.0**

[1]In September 1998, a total of four (4) soil samples (T4, T4, T5, and SP5) were collected and analyzed for halogenated volatile organic compounds (HVOCs). All of these results were non-detected (ND). A total of eight (8) soil samples were analyzed by EPA Method 7420 for lead.

[2]Initial soil confirmation borings CB1 and CB2 were drilled on June 22, 2005. Only benzene, toluene, total xylenes, fuel oxygenates, and ethanol were analyzed.

[3]The results include the June 3, 2008 confirmation soil borings CB3 and CB4. Also, samples were analyzed by EPA Method 8015M for oil range organics. All of the results for oil range organics were ND (<50 ppm).

[4]The results include the December 2011 soil results for soil confirmation borings CB5 and CB6 and vapor extraction well VE8. Confirmation soil boring CB5 was drilled approximately 10 feet south of former soil confirmation boring CB4 (generally, the highest 2008 contaminant concentrations were detected in samples collected from this boring). Vapor extraction well VE8 was drilled at the former location of CB4. In April 2012, additional SVE was conducted on well VE8. Therefore, the June 2, 2008 and December 2011 contaminant concentrations detected for borings VE8 and CB4 (and likely surrounding area) were further reduced (<) by the SVE.

[5]The maximum concentrations of other VOCs that were detected in the confirmation soil samples, but are not listed within the table:

- PCE was detected up to 0.0035 ppm (CB5-45').
- 1,1-Dichloroethene was detected up to 0.0012 ppm (CB5-40').
- Tert-butylbenzene was detected up to 0.086 ppm (VE8-30').
- 1,2-Dichlorobenzene was detected up to 0.0019 (CB5-5').
- 1,3-Dichlorobenzene was detected up to 0.0054 ppm (CB5-5')
- 1,4-Dichlorobenzene was detected up to 0.005 (CB5-5').
- Bromodichloromethane was detected up to 0.0012 ppm (CB5-25').
- n-Butylbenzene was detected up to <0.103 ppm (VE8-30').
- n-Propylbenzene was detected up to 0.113 ppm (CB5-60').
- 1,1-Dichloroethane was detected up to 0.0016 ppm (CB5-60').
- p-Isopropyltoluene was detected up to <0.034 ppm (VE8-30').
- Isopropylbenzene was detected up to 0.0036 ppm (CB5-55').
- Sec-Butylbenzene was detected up to 0.113 ppm (CB5-60').

[6]The results include shallow wells MW1, MW2, MW3 (MW3 was only sampled from May 1999 through February 2002), MW4, MW5, and EW1.

[7]Groundwater results (December 2005 through April 2012) for deeper screened well MW3D.

IV. CLOSURE

Does completed corrective action protect 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 [ ]

However, it was stipulated during a June 22, 2009 meeting between Regional Board staff and Stueve Bros. representative(s) that any change in land use would require a vapor health risk assessment.

SITE MANAGEMENT REQUIREMENTS
Should corrective action be reviewed if land use changes?
YES [X] NO [ ] **Vapor health risk assessment is required.**

V. ADDITIONAL COMMENTS, DATA, ETC.

Site History/Land Use

The site includes an existing 110-acre dairy ranch farm. In 1998, three (3) 10,000 gallon (two diesel and one gasoline) and two (2) 550-gallon (one lube oil and one waste oil) underground storage tanks (USTs) were removed from the site. Refer to the attached site plan map.

UST removal activities were conducted under the supervision of the San Bernardino County Fire Department (SBCFD). The UST area was excavated down to approximately 20 feet below the ground surface (bgs). The USTs were transported by Western Environmental to the Rumetco Recycling facility located in Wilmington, California. Approximately 1,450 gallons of diesel, gasoline, motor oil, and water mixture were transported by RC Environmental to the Crosby & Overton facility located in Long Beach, California.

Confirmation soil samples (T1N, T1S, T2N, T2S, T3W, T4, and T5) were collected beneath the former USTs, dispenser pump (D1), and excavated stockpiled soil (SP1 through SP5). The soil results confirmed that elevated petroleum hydrocarbons concentrations were present beneath the site.

The highest soil contaminant concentrations were detected primarily in the samples collected from sample T3W. This sample was collected from the west end of the 10,000-gallon gasoline UST (easternmost UST). Maximum total petroleum hydrocarbons-gasoline (TPH-g), benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tert-butyl ether (MTBE) concentrations were detected in sample T3W at 3,100 ppm, 12 ppm, 140 ppm, 62 ppm, 400 ppm, and 16 ppm, respectively. Samples were not analyzed for any additional fuel oxygenates.

In addition, maximum total petroleum hydrocarbons-diesel (TPH-d), total petroleum recoverable hydrocarbons (TRPH), and total lead concentrations were detected at 590 ppm (SP3), 10 ppm (T5), and 9.3 ppm (SP1), respectively. Samples SP1 and SP3 were collected from the stockpiled soil. Sample T5 was collected from the excavation cavity of the former 550-gallon waste oil tank. In addition, samples T4 (lube oil UST excavation), T5 (waste oil UST excavation), and SP5 (stockpile sample) were analyzed for halogenated volatile organic compounds (HVOCs). All of the HVOC results were non-detectable (ND).

The excavated soil was treated on-site by bio-treatment.

1999-2000

Mr. Harold Stueve (owner of Stueve Bros. Farms) died in 1999. Mr. Boyd Clark, his successor, died shortly thereafter. Subsequently, court-appointed trustees were involved with site oversight. In April 1999, seven (7) soil borings (B1 through B7) were drilled. Borings B1 through B4 were drilled to approximately 55 feet bgs. Borings B5 through B7 were drilled to approximately 70 feet bgs.

V. ADDITIONAL COMMENTS, DATA, ETC. – continued:

The borings were located in the following areas of the site:

1. Boring B1 was drilled north of the former dispenser island.
2. Borings B2 and B3 were drilled within the former middle diesel (10,000-gallon UST) excavation area and north of the dispenser pump.
3. Boring B4 was drilled south of the former UST area.
4. Boring B5/MW1 was drilled east of the former UST and dispenser pump areas.
5. Boring B6/MW2 was drilled southwest of the former UST and dispenser pump areas.
6. Boring B7/MW3 was drilled northwest of the former UST and dispenser pump areas and west of the building.

Borings B5 through B7 were converted to groundwater monitoring wells MW1 through MW3, respectively. The wells were screened from 40 to 70 feet bgs. During drilling activities, groundwater was encountered at approximately 50 feet bgs. A groundwater gradient direction to the south (0.007 ft/ft) was established.

Soil samples were collected at five-foot intervals from 5 to 55-70 feet bgs. Soils primarily consisted of green to brown sand and brown to gray clay at 15 to 35 feet and 50 to 55 feet bgs, respectively. According to the boring logs, hydrocarbon odors were observed for borings B1, B2, and B4 from 40 to 55 feet bgs.

A total of 72 soil samples were analyzed for TPH-g, TPH-d, BTEX, and MTBE. Soil contaminants were detected in 34 of the 72 soil samples and concentrations ranged from low to elevated levels. The highest contaminant concentrations were detected in the samples collected from boring B1. A maximum TPH-d concentration of 1,700 ppm was detected in sample B1-25'. Maximum TPH-g, BTEX, and MTBE concentrations were detected in sample B1-35' at 6,300 ppm, 73 ppm, 400 ppm, 640 ppm, and 33 ppm, respectively.

Low to moderate levels of contaminant concentrations were detected in samples collected from boring B4 (5 and 30 to 55-foot depths). Low contaminant concentrations were detected in borings B2 (45 to 55-foot depths), B3 (50-foot depth), B5/MW1 (35-foot depth), B6/MW2 (5, 15, 30, 40, and 55 to 65-foot depths), and B7/MW3 (25-foot depth). No samples were collected and analyzed for B7/MW3 at the 30 to 65-foot depths. Wells MW1 through MW3 were drilled primarily outside of the source area.

Based on the groundwater results, elevated petroleum hydrocarbons were detected in samples collected from wells MW1 and MW2. Maximum TPH-g and BTEX concentrations were detected in samples collected from well MW2 at 6,600 ppb, 1,600 ppb, 570 ppb, 48 ppb, and 1,000 ppb, respectively. The maximum MTBE concentration was detected at 14 ppb (MW1).

In June 2000, four (4) additional soil borings were drilled to approximately 50 feet bgs. The borings were converted to four (4) vapor extraction (VE) wells VE1 through VE4. These wells were screened from approximately 8 feet to 49.5 feet bgs. In addition, two (2) additional soil borings were drilled to approximately 60 and 70 feet bgs and converted to wells MW4 and MW5, respectively. Wells MW4 and MW5 were screened from 37 feet to 60 feet bgs and 37 feet to 70 feet bgs, respectively. During drilling activities, groundwater was encountered at approximately 60 feet bgs. Soils consisted primarily of green/brown sand to green/brown clay. According to the boring logs, hydrocarbon odors were noted from 25 to 50 feet bgs for borings VE1 and VE2.

V. ADDITIONAL COMMENTS, DATA, ETC. – continued:

The borings/wells were drilled in the following areas:

1. Well VE1 was drilled at the southern end of the former middle UST (10,000-gallon diesel) and within the former dispenser pump excavation area.
2. Well VE2 was drilled north of the former easternmost UST (10,000-gallon gasoline) excavation area.
3. Well VE3 was drilled near the northern end of the former westernmost UST (10,000-gallon diesel) excavation area.
4. Well VE4 was drilled south of the former UST and dispenser pump areas.
5. Well MW4 was drilled southwest of the former UST and dispenser pump areas and building.
6. Well MW5 was drilled south of the former UST and dispenser pump areas and building.

Maximum TPH-g, BTEX, and MTBE concentrations were detected at 5,590 ppm (VE1-35'), 71.8 ppm (VE1-30'), 332 ppm (VE1-35'), 88.5 ppm (VE1-25'), 510 ppm (VE1-25'), and 120 ppm (VE1-40'), respectively. Low level TPH-g, BTEX, and/or MTBE concentrations were detected in samples collected from wells VE2 (5 to 20 and 40 to 50-foot depths), VE3 (5 to 50-foot depths), VE4 (5 to 55-foot depths), MW4 (5 to 55-foot depths), and MW5 (5 to 55-foot depths). None of the borings/wells were vertically defined. None of the samples were analyzed for other VOCs (including other fuel oxygenates) or TPH-d.

According to the groundwater results, maximum TPH-g and BTEX concentrations were detected in samples collected from well MW2 at 6,900 ppb, 1,600 ppb, 570 ppb, 48 ppb, and 1,000 ppb, respectively. The MTBE result was shown as >100 ppb. The next sampling event revealed a MTBE concentration at 985 ppb for this same well. Low level contaminant concentrations were detected in samples collected from wells MW1 and MW4. However, the results for wells MW3 and MW5 were all ND. Also, all of the ethylbenzene results were ND.

On July 13, 2000, a soil vapor extraction (SVE) pilot test was conducted using a mobile unit. The pilot test confirmed that SVE would be a feasible soil remediation approach for the site.

2002-2003

On February 4, 2002, monitoring well MW3 was properly abandoned. This well was abandoned since it was located within the livestock area of the site. Groundwater extraction well EW1 was drilled to approximately 75 feet bgs and screened from approximately 50 to 75 feet bgs. This well was located approximately 10 feet northwest of well VE4. Groundwater was encountered at approximately 70 feet bgs. No soil samples were collected or analyzed for well EW1.

In February 2002, pump test and aquifer characteristics study were completed. Wells MW1, MW2, MW4, and MW5 were used as observations wells. No draw down was observed in groundwater monitoring well MW2, which was located 60 feet southwest of the pump well. Calculation of the radius of influence (ROI) could not be determined. However, it was assumed that the ROI was less than 60 feet.

In April 2002, a *Remedial Action Plan (RAP)* was prepared and submitted for the site. The *RAP* proposed SVE and air sparging (AS). On October 31, 2002, the SVE system was activated to take advantage of groundwater fluctuations and remediate the smear zone above the groundwater table at that time. Groundwater was originally encountered at approximately 62 feet bgs. By 2002, depth to groundwater was approximately 75 feet bgs. In November 2002, a thermal/catalytic oxidation unit was added to the SVE system.

V. ADDITIONAL COMMENTS, DATA, ETC. – continued:

In April 2003, the SVE system was removed and replaced with a VES/carbon adsorption unit and air sparging system. In August 2003, a total of five (5) air sprage wells (ASW1 through ASW5) were installed to a total depth of approximately 95 feet bgs. The ASW wells were installed as three-stem nested wells and screened approximately from 70 to 75 feet, 80 to 85 feet, and 90 to 95 feet bgs. During well drilling activities, groundwater was encountered at approximately 75 feet bgs.

The AS wells were drilled in the following areas:

1. Wells ASW1 and ASW2 were located southwest of the former UST and dispenser pump areas and building. Also, well MW2 was located between wells ASW1 and ASW2.

2. Wells ASW3 and ASW4 were drilled south of the former UST and dispenser pump areas and building. In addition, these wells were located near existing well VE4.

3. Well ASW5 was located southeast of the former easternmost former UST (10,000-gallon gasoline) excavation area.

No soil or groundwater samples were collected at that time.

2005

On June 22, 2005, two (2) soil confirmation soil borings CB1 and CB2 were drilled within and south of the former middle UST (10,000-gallon diesel) excavation area, respectively. The confirmation soil borings were drilled to approximately 60 feet bgs and sampled at five-foot intervals from 5 feet to 60 feet bgs. During drilling activities, groundwater was encountered at approximately 60 feet bgs.

TPH-g and BTEX contaminant concentrations were detected in borings CB1 and CB2 at the 45 to 60-foot and 25 to 60-foot samples, respectively. Maximum TPH-g, toluene, ethylbenzene, and total xylenes concentrations were detected in sample CB2-30' at 3,670 ppm, 179 ppm, 67 ppm, and 441 ppm, respectively. The maximum benzene concentration was detected in sample CB2-50' at 9.97 ppm. All of the results for TPH-d, fuel oxygenates, and ethanol were ND.

In addition, 10 soil samples (SP1 through SP10) were collected from the bio-remediation area, which was located along the western boundary of the property. Benzene concentrations were only detected in samples SP2 and SP5 at 0.002 ppm and 0.003 ppm, respectively. In addition, toluene concentrations were detected in samples SP2 (0.003 ppm), SP5 (0.007 ppm), SP7 (0.004 ppm), and SP9 (0.003 ppm). All of the results for TPH-g, TPH-d, ethylbenzene, total xylenes, fuel oxygenates, and ethanol were ND. Based on these results, approval was granted to use the treated soil on-site.

Based on the June 2005 soil confirmation results, a deeper well (MW-3D) was installed at the site on December 28, 2005. Well MW-3D was drilled to a total depth of 75 feet bgs. Groundwater was encountered at 59 feet bgs. Well MW-3D was drilled northeast of well VE-2 and south of the building.

A total of seven (7) soil samples were collected from 45 feet to 75 feet bgs. All of the soil results were ND for TPH-g, TPH-d, BTEX, and fuel oxygenates. Groundwater samples were collected and analyzed for the same constituents. All of the groundwater results were ND except for 1,700 ppb of TPH-d.

On December 29, 2005, three (3) additional SVE wells (VE5 through VE7) were installed. The SVE wells were drilled to approximately 60 feet bgs. The wells were screened from approximately 30 to 59.5 feet bgs.

V. ADDITIONAL COMMENTS, DATA, ETC. – continued:

Wells VE5 and VE7 were drilled at the following locations:

1. Well VE5 was drilled within the former middle UST (10,000-gallon diesel) excavation area and in proximity to boring CB2.

2. Well VE6 was drilled within the former easternmost UST (10,000-gallon gasoline) excavation area.

3. Well VE7 was drilled directly south of the former middle UST (10,000-gallon diesel) excavation area and slightly northeast of boring CB1.

These SVE wells were connected to the remediation system.

2006-2007

In November 2007, a rebound test was conducted on the SVE system. According to the results, rapid decline in TPH-g concentrations were noted over the 11 day period. Further SVE remediation of the site was complicated by the fact that the residual contaminant concentrations remained in the tight and slow releasing silt layer present at 50 to 60 feet bgs.

2008

On February 29, 2008, the remediation system was deactivated to reevaluate the system performance and conduct additional soil confirmation sampling.

According to the June 2008 groundwater sampling event, maximum TPH-g, benzene, diisopropyl ether (DIPE), and tert-butyl alcohol (TBA) concentrations were detected in sample EW1 at 265 ppb, 17.4 ppb, 14.7 ppb, and 22.3 ppb, respectively. The groundwater results for wells MW1, MW2, MW4, MW5, and MW3D were all ND. Depth to groundwater ranged from 62.03 feet (MW-4) to 65.04 feet (MW-2) bgs. The groundwater gradient flow direction was to the south.

On July 3, 2008, two (2) additional soil confirmation soil borings (CB3 and CB4) were each drilled to a depth of 60 feet bgs. During drilling activities, groundwater was encountered at approximately 64 feet bgs. Boring CB3 was drilled south of the former middle UST (10,000-gallon diesel) excavation area and near the center of wells VE1, VE5, and VE7. Boring CB4 was drilled at the southern boundary of the former easternmost UST (10,000-gallon gasoline) excavation area and between wells VE-1, VE-6, and ASW-5. Although no soil samples were collected from 5 to 15 feet bgs, samples were collected from the 20 to 60-foot depths and analyzed.

TPH-g and BTEX concentrations were detected in all of the samples collected from boring CB4. The highest contaminant concentrations were detected in samples collected from the 25 and 35-foot depths. Maximum TPH-g and BTEX concentrations were detected at 14,100 ppm (CB4-25' and CB4-35'), 69.4 ppm (35'), 773 ppm, 236 ppm, and 1,409 ppm, respectively.

Boring CB3 results were all ND from 20 to 45, and 55 feet bgs except for 0.01 ppm of benzene detected in sample CB3-20'. Maximum TPH-g, toluene, ethylbenzene, and total xylenes concentrations were detected in sample CB3-60' at 492 ppm, 0.16 ppm, 0.278 ppm, 3.88 ppm, and 9.1 ppm, respectively. All of the fuel oxygenates and TPH-d results were ND.

On October 18, 2008, the case was transferred to Regional Board staff for oversight. Based on the results of the confirmation soil borings, Regional Board requested further SVE remediation in a small isolated gap area that was located in the vicinity of confirmation soil boring CB4.

2009

Two (2) semi-annual groundwater sampling events were conducted. The groundwater gradient flow direction was toward the southwest at 0.003 and 0.006 ft/ft. In December 2009, depth to groundwater ranged from 54.63 feet (MW4) to 57.84 feet (MW2) bgs. Trace to low levels of TPH-g, benzene, toluene, total xylenes, 1,2-DCA, and/or DIPE concentrations were detected during the two sampling events.

V. ADDITIONAL COMMENTS, DATA, ETC. – continued:

2011-2012

In December 2011, two (2) additional confirmation soil borings (CB5 and CB6) was drilled at the subject site. Confirmation soil boring CB5 was drilled directly south of the former easternmost UST (10,000-gallon gasoline) and boring CB4 (the area of the highest historical soil contaminant concentrations). Boring CB6 was drilled approximately 10 feet east of boring CB5 and the former middle easternmost UST (10,000-gallon gasoline) excavation area. In addition, a new VE well (VE8) was drilled at the former location of CB4 to further remediate the residual contaminant concentrations that remained in this area of the source area.

Well VE8 was drilled to 60 feet and screened from approximately 29 to 59 feet bgs. According to the boring log for VE8, slight to strong petroleum hydrocarbon odors were detected from 30 to 35 feet bgs. No groundwater was encountered during drilling activities.

Borings CB5 and CB6 were drilled to a total depth of 60 feet bgs. Soil samples were collected from borings CB5 and CB6 at five-foot intervals from 5 feet to 55 feet bgs and 35 to 60 feet bgs, respectively. A sample and duplicate sample were collected from SB6-60'. In addition, soil samples were collected from well VE8 at the 30-foot depth. Soil samples were analyzed for TPH-g and full-scan VOCs. A total of 20 soil samples were collected and analyzed during this investigation.

Contaminant concentrations were detected in all of the samples that were collected from boring CB5. Single TPH and benzene concentrations of 0.049 ppm and 2.7 ppm were detected in sample CB5-60', respectively. Trace toluene concentrations were detected in all of the CB5 samples and concentrations ranged from 0.0011 ppm (15 and 30-foot depths) to 0.098 ppm (60'). Ethylbenzene concentrations were detected in samples CB-55' and CB-60' at 0.010 ppm and 0.0143 ppm, respectively. In addition, one concentration of total xylenes was detected at 0.340 ppm (60'). All of the results for fuel oxygenates were ND for boring CB5.

In addition, several other VOCs (i.e. isopropylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimthylbenzene, etc.) were detected in the boring CB5 samples. However, all of the concentrations were less than 0.2 ppm. Although contaminant concentrations were detected at the 60-foot depth, TPH-g, total xylenes, and all other VOCs were detected at 2.7 ppm, 0.340 ppm, and less than 0.2 ppm, respectively.

Contaminant concentrations were detected in all of the samples collected from boring CB6 (35 to 60 feet bgs). Maximum TPH-g and toluene concentrations were detected at 0.4/0.3 ppm (SB6-60' and duplicate) and 0.0021 ppm, respectively. Several other VOCS were also detected in all six (6) depths. However, all of these VOCs were detected at less than 0.008 ppm. At the 60-foot depth, TPH-g and VOCs were all detected at or below 0.4 ppm and 0.0076 ppm, respectively. Also, all of the benzene and fuel oxygenates results were ND for this boring.

Soil samples were collected from boring/well VE8 at the 30-foot depth. TPH-g, toluene, ethylbenzene, and total xylenes were detected at 5.9 ppm, 0.027 ppm, 0.018 ppm, and 0.067 ppm, respectively. Several other VOCs were also detected at this depth. However, all of these concentrations were detected below 0.24 ppm.

All of the VOCs that were detected during this investigation were detected below 0.5 ppm. Although contaminant concentrations were detected in the samples collected from CB5-60' and CB6-60', all of the TPH-g and VOCs were detected at 2.7 ppm and below 0.5 ppm, respectively. In addition, only one single benzene concentration was detected during this investigation at 0.049 ppm (SB5-60'). All of the other benzene results were ND. Also, all of the results for the fuel oxygenates were ND.

V. ADDITIONAL COMMENTS, DATA, ETC. – continued:

From December 29, 2011 through April 18, 2012, further SVE testing was conducted well VE8, which was drilled in the former borehole area of former boring CB4. During this period, approximately 986.14 pounds of additional hydrocarbons were recovered from well VE8. From October 2003 through April 18, 2012, a grand total of 15,941 pounds of hydrocarbons were recovered.

From December 29, 2011 through April 4, 2012, the daily volumes of hydrocarbons recovered were calculated at 132.53 to 303.90 pounds. However, the daily volume of hydrocarbons recovered on April 10 and April 18, 2012, dropped significantly to 15.90 and 19.37 pounds, respectively.

From December 29, 2011 through April 10, 2012, the TPH-g, benzene, and MTBE influent concentrations for well VE8 ranged from 1,000 ppmv to 4,100 ppmv, 10 ppmv to 25.6 ppmv, and 0.2 ppmv (all of the MTBE results were detected at 0.2 ppmv), respectively. In comparison, the April 18, 2012 influent results for TPH-g, benzene, and MTBE dropped significantly to 1.2 ppmv, 1.2 ppmv, and ND, respectively. Based on the April 2012 results, the SVE system reached asymptotic levels for well VE-8.

The vertical extent of the soil contamination plume was satisfactorily assessed (i.e., well MW3D and borings CB5, and CB6). Boring/well MW3D was drilled to 75 feet and all of the results were ND from 45-75 feet bgs. This VE well was screened from 29 to 59 feet bgs. The additional SVE remediation conducted on well VE8 (drilled in the former borehole CB4 location) recovered an additional 986 pounds in this area and further reduced the residual trace contaminant concentrations that were detected at the 60-foot depths of borings CB5, CB6 as well as CB4/VE8.

On April 10, 2012, semi-annual groundwater monitoring and sampling activities were conducted on shallow wells MW1, MW2, MW4, MW5, and EW1 as well as deeper well MW3D. The groundwater samples were analyzed for TPH-g and full-scan VOCs (including BTEX and fuel oxygenates). Depth to groundwater ranged from 59.18 feet (MW4) to 62.65 feet (MW2) bgs. The groundwater gradient flow direction was to the northeast at approximately 0.001 ft/ft.

Residual contaminant concentrations were only detected in the groundwater samples collected from wells MW2 and EW1. These wells were located southwest and south of the former UST and dispenser pump areas, respectively. A TBA concentration of 28.7 ppb was detected in sample MW2. TPH-g, benzene, ethylbenzene, total xylenes, DIPE, and TBA concentrations were detected in sample EW1 at 394 ppb, 4.87 ppb, 1.10 ppb, 3.40 ppb, 38.60 ppb, and 56 ppb, respectively. In addition, chloroethane, 1,2-dichloroethane, naphthalene, 1,2,4-TMB, and 1,3,5-TMB concentrations were also detected in sample EW1 at 5.87 ppb, 24.9 ppb, 1.71 ppb, 7.92 ppb, and 1.29 ppb, respectively.

All of the groundwater results for shallow wells MW1, MW2, MW4, MW5 and deeper well MW3D were all ND.

LITHOLOGY/HYDROLOGY

Soils consisted primarily of silty (from surface to approximately 20 feet bgs) and sand from 25 to 60 feet bgs. In 1999, groundwater was encountered at approximately 62 feet bgs. In 2002, depth to groundwater was approximately 75 feet bgs. In November 2006 and April 2012, depths to groundwater were detected at 58 feet and 59.18 feet bgs, respectively. The groundwater gradient was generally toward the southwest at a gradient of 0.002 ft/ft.

V. ADDITIONAL COMMENTS, DATA, ETC. – continued:

SENSITIVE RECEPTORS

The following sensitive receptors were identified within a one-mile radius of the site:

- Groundwater Receptors:

  The State Database Well Information identified the following wells located within a one-mile radius of the site:

  1. Well No. 2610 – Well was located approximately 0.9 mile to the southwest of the site. This well was a standby well for the California Institution for Women (CIW). The well was contaminated with nitrates.

  2. Well No. 18919 – Well was located approximately 0.9 mile to the southwest of the site. This was a standby well for CIW. The well was contaminated with nitrates.

  3. Well No 18920 – Well was located approximately 0.9 mile to the southwest of the site. This was a standby well for CIW. The well was contaminated with nitrates.

  The State Oil/Gas Well Information Database revealed that the following oil wells located within a one-mile radius of the site:

  1. CA0G50000024478 – This abandoned oil well was located approximately 0.75 mile to the south/southwest of the site.

  2. CA0G50000023924 – This abandoned oil well was located approximately 0.53 mile to the northwest of the site.

  Irrigation Wells – There were approximately 15 wells located within a one-mile radius of the site.

- Storm Drain - The Cucamonga Creek Storm Drain Channel was located approximately one mile to the east and southeast of the site. This channel was a concrete-lined channel.

CLOSURE

Based on the following factors, site closure is recommended for the subject site:

- On September 23, 1998, five (5) USTs were excavated and removed from the site. The excavated soil was treated via on-site bio-treatment. In addition, a total of 1,450 gallons of diesel, gasoline, motor oil, and water mixture were transported to the Crosby & Overton facility located in Long Beach, California.

- From October 2002 through April 2003, a SVE system (using a thermal/catalytic oxidation unit) operated at the site. The system was connected to five VE wells (VE1 through VE5). A total of 3,321 pounds of hydrocarbons was recovered.

- From October 2003 to February 29, 2008, a VES/carbon adsorption unit equipped with an air sparging system operated at the site. A total of 15 AS wells and seven (7) VE wells (VE1 through VE7) were connected to the system(s). A total of 13,557.87 pounds of hydrocarbons were recovered.

- From December 29, 2011, through April 14, 2012, additional SVE remediation was conducted from well VE8 (drilled at the boring CB4 location) located in the source area to further reduce the residual contaminant concentrations that remained in this localized area of the site. An additional 986.14 pounds of hydrocarbons were recovered during this time.

V. ADDITIONAL COMMENTS, DATA, ETC. – continued:

- The lateral and vertical extents of the soil and groundwater contamination plumes were satisfactorily assessed for this site.

- A total of 13 years of groundwater and post-remedial groundwater monitoring events were completed. Maximum TPH-g, BTEX, and MTBE concentrations were historically detected in well EW1 up to 57,700 ppb, 12,900 ppb, 3,960 ppb, 647 ppb, 8,030 ppb, and 2,170 ppb, respectively. Soil and groundwater remediation over the years significantly reduced these concentrations. On April 10, 2012, these compounds were detected (or not detected) in well EW1 at 394 ppb, 4.87 ppb, ND, 1.10 ppb, 3.40 ppb, and ND, respectively.

  From December 2005 through April 20, 2012, groundwater samples were also collected from deeper screened well MW3D. Historically and in April 2012, all of the groundwater results for this well were ND except for TPH-d that was detected up to 1,700 ppb in December 2005.

  Based on ND to localized trace contaminant concentrations that remain in the groundwater and soil, the residual contaminant concentrations are considered low-risk and should not pose a threat to groundwater quality. As a result, closure is recommended for the subject site.

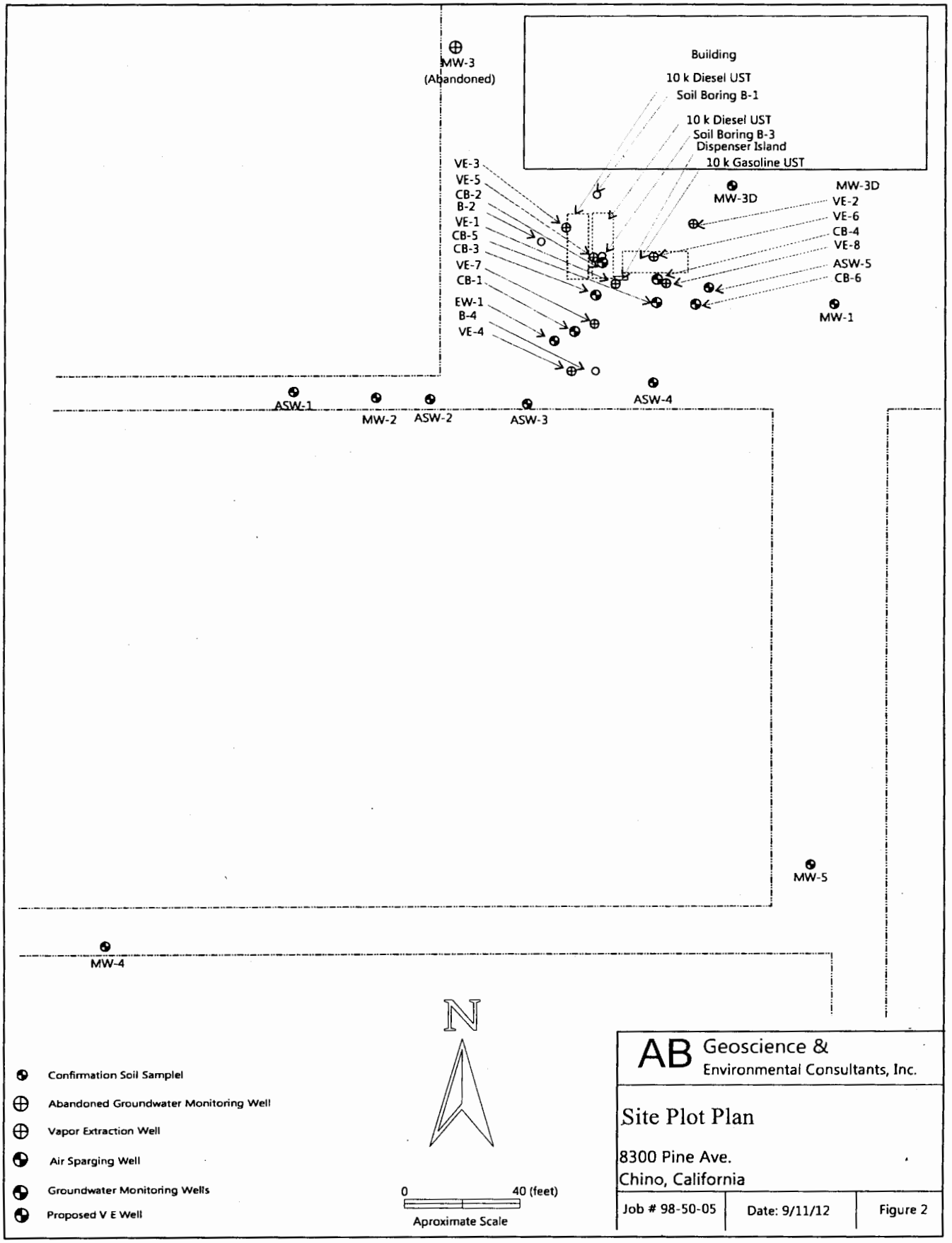
This closure summary does not include all of the data for this cleanup. It was prepared by the Santa Ana Regional Water Quality Control Board (Regional Board) for the purpose of providing a brief summary for case closure evaluation. All environmental reports pertaining to this cleanup site as well as the Regional Board case file should be reviewed in their entirety to obtain further details regarding this cleanup.

VI. LOCAL AGENCY/RWQCB REPRESENTATIVE DATA

RWQCB SIGNATURE: Kenneth R. Williams

TITLE: Chief, UST Section

DATE: June 19th, 2013

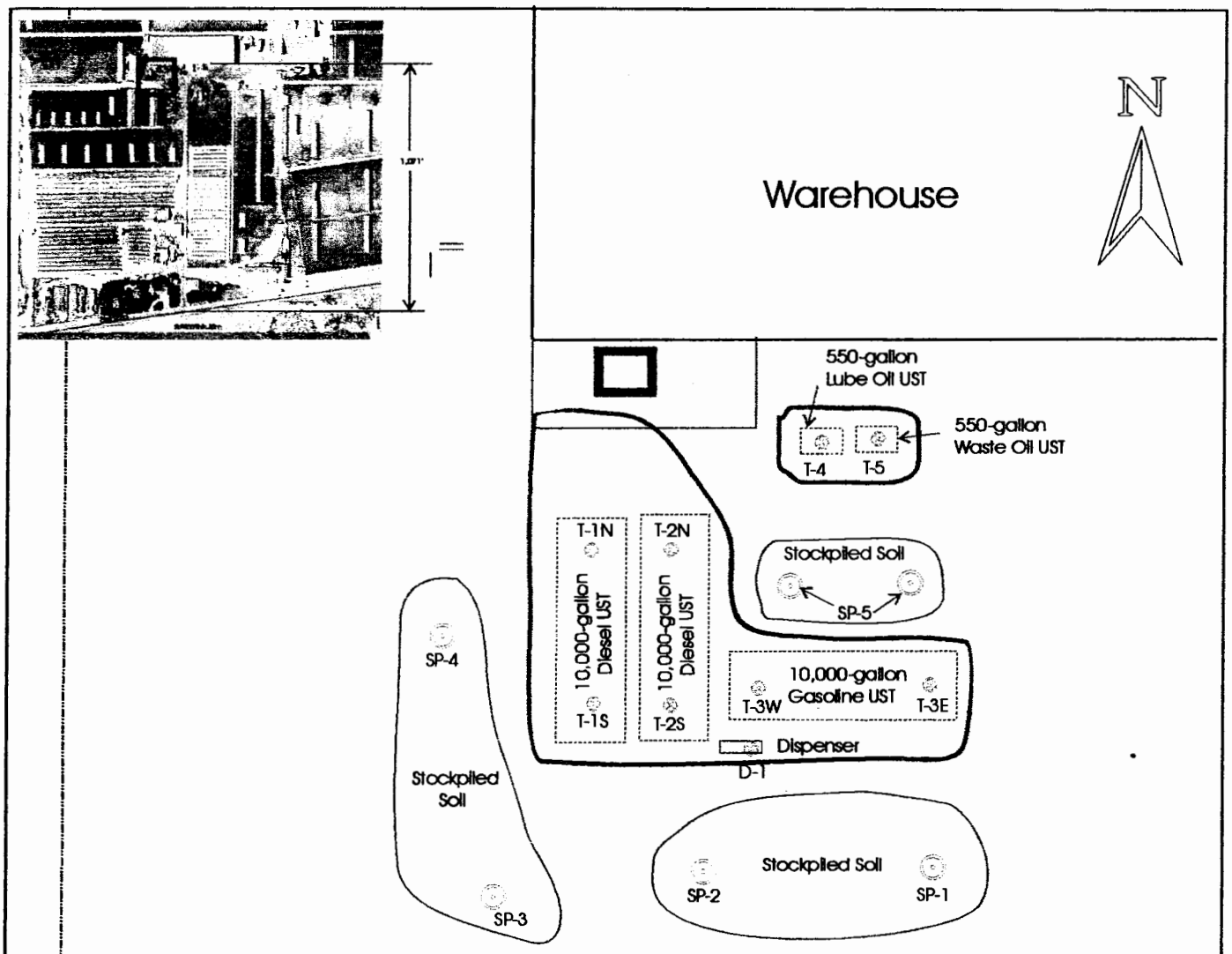


AB Geoscience & Environmental Consultants, Inc.

Site Plot Plan

8300 Pine Ave.
Chino, California

Job # 98-50-05	Date: 9/11/12	Figure 2



Excavation area

Stockpiled Soil

Soil Sample (UST)

Soil Sample Stockpile

0 20 (feet)

Aproximate Scale

AB Geoscience & Environmental Consultants, Inc.

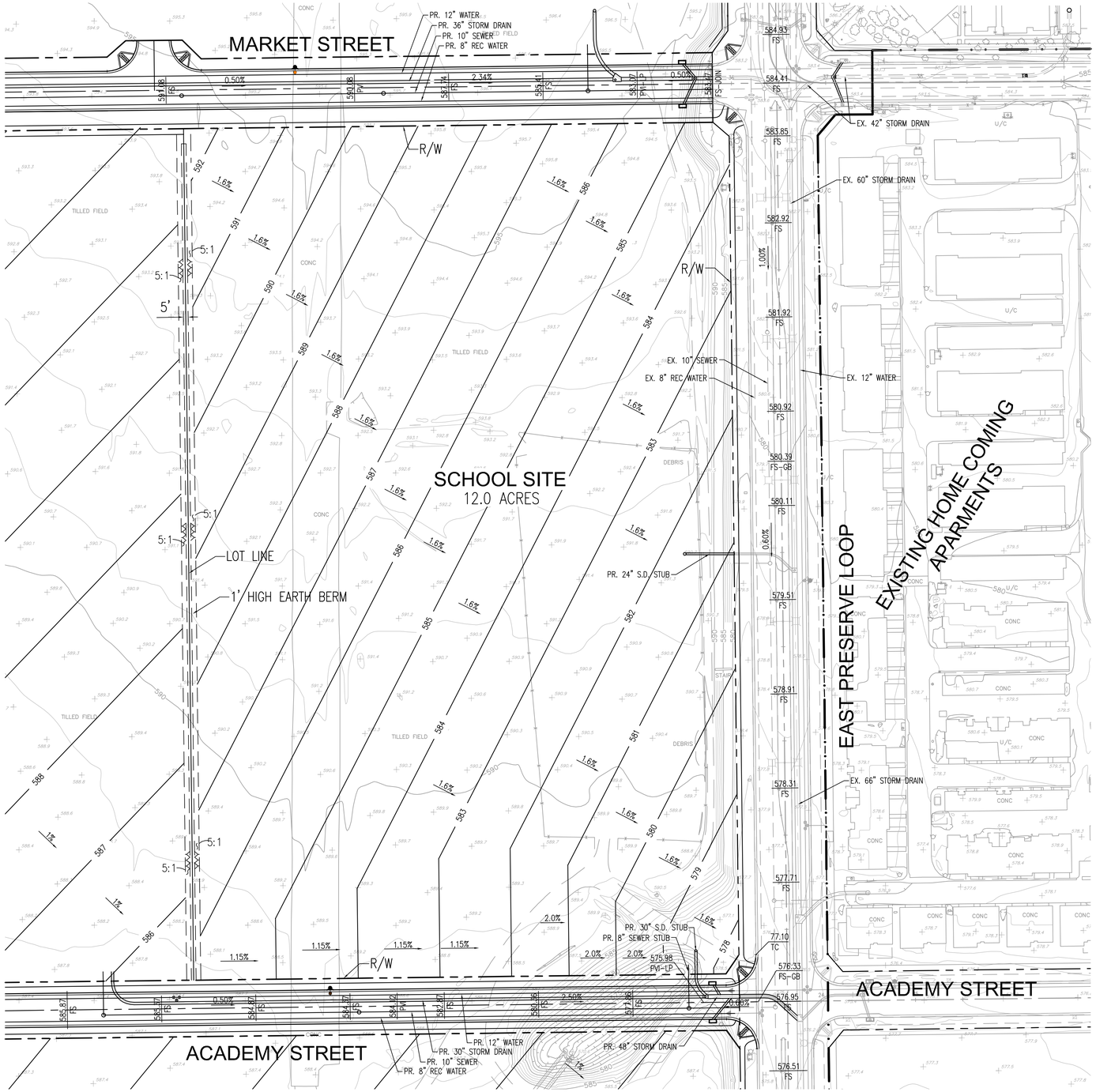
Location of USTs

(Reconstructed from Field Notes)

8300 Pine Ave.
Chino, California

Job # 98-50-05

Date: 1/21/09



NOTE:

WATER STUB LOCATION TO BE DETERMINED PER SCHOOL'S REQUEST

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

SEAL

REGISTERED PROFESSIONAL ENGINEER
RICK K. NGUYEN
No. 61511
CIVIL
STATE OF CALIFORNIA

811 Know what's below. Call before you dig.

BASIS OF BEARINGS

THE BASIS OF BEARING IS THE CENTERLINE OF PINE AVE. BETWEEN GROVE AVE. AND HELLMAN AVE. HAVING A BEARING OF N81°43'43"E PER PARCEL MAP NO. 15657 FILED IN BOOK 193, PAGES 1 AND 2 OF PARCEL MAPS, RECORDS OF SAN BERNARDINO COUNTY, CALIFORNIA.

PREPARED BY	REVISIONS	MADE BY	MADE DATE	RECOMMENDED BY	RECOMMENDED DATE
FIRM: L.D. KING, INC.	1				
ADDRESS: 975 N. Haven Avenue, Suite 200	2				
Ontario, CA. 91764	3				
TELEPHONE: (909) 945-0526	4				
SIGNATURE DATE	5				

BENCH MARK DATA

NO. 157/71 ELEV. 595.256
LOCATION:
A 2 1/2" brass disk stamped "157/71" set in a traffic signal concrete base located at a northwest intersection of Euclid Avenue and Kimball Avenue

REFERENCE DRAWINGS

REVIEWED BY STAFF	BY	DATE
WATER:		
SEWER:		
FIRE:		
PLANNING:		
TRAFFIC:		
ENVIRONMENTAL:		

CITY ENGINEER'S STAFF	BY	DATE
DRAWN:		
DESIGNED:		
CHECKED:		
RECOMMENDED:		

RECOMMENDED BY:

CITY ENGINEER

DATE: _____

CITY OF CHINO ENGINEERING DIVISION

THE PRESERVE AT CHINO

12 ACRE SCHOOL SITE

TOPOGRAPHY AND OFFSITE INFRASTRUCTURE EXHIBIT

PROJECT NO. TR 16420-3

SHEET 1 OF 2

DRAWING NO.

JN 732-007 TRI POINTE HOMES

E:\400-499\481\0481-245-Block 91\Exhibits\School Topo_Utility Exhibit.dwg, Plotted: Jul 24, 2019 - 3:07pm

Appendix C. Environmental Database Search Report

Appendix

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The Preserve Elementary School
Not Reported
Chino, CA 91708

Inquiry Number: 5780643.2s
September 06, 2019

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), 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

NOT REPORTED
CHINO, CA 91708

COORDINATES

Latitude (North):	33.9550890 - 33° 57' 18.32''
Longitude (West):	117.6199000 - 117° 37' 11.64''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	442721.8
UTM Y (Meters):	3757155.0
Elevation:	591 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640930 CORONA NORTH, CA
Version Date:	2012
West Map:	5640938 PRADO DAM, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
CHINO, CA 91708

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	STUEVE BROS. FARMS	8300 PINE AVE	LUST, SWEEPS UST, HIST UST, CA FID UST, ENF, HIST...	Higher	996, 0.189, NNW
A2	GOLD DAIRY	8286 PINE AVE	San Bern. Co. Permit	Higher	1030, 0.195, NNW
3	RONDO ELEMENTARY SCH	SOUTHEAST CORNER OF	ENVIROSTOR, SCH	Lower	2508, 0.475, ESE
4	R.T. LEE CONSTRUCTIO	7200 HELLMAN AVE	LUST, HIST CORTESE, CERS	Higher	2553, 0.484, ENE
5	BEMUS LANDSCAPE, INC	8005 PINE AVE.	SWF/LF, CERS	Lower	2633, 0.499, WNW
6	RODRIGUEZ DAIRY	8340 AND 8342 CHINO	ENVIROSTOR	Lower	2814, 0.533, SSW
7	LEGEND DAIRY FARMS-S	14955 SCHLEISMAN	ENVIROSTOR, VCP, WDS	Higher	3825, 0.724, ENE
8	DUMP - HALL AVENUE	7675 HALL	ENVIROSTOR, HIST CORTESE	Lower	4637, 0.878, ESE
9	W. F. DURRINGTON DAI	8107 KIMBALL AVE	ENVIROSTOR, LUST, SCH, HIST UST, CERS	Higher	4787, 0.907, NNW
10	STATE OF CALIF DEPT	CALIF INSTITUTE FOR	HWP	Lower	4886, 0.925, WSW
11	ENGELSMA DAIRY	8011 KIMBALL AVE	ENVIROSTOR, CPS-SLIC, HIST UST, San Bern. Co....	Higher	5159, 0.977, NNW

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

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

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

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

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

US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

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

State- and tribal - equivalent NPL

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

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

State and tribal Brownfields 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
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

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

RCRA NonGen / NLR ---- RCRA - Non Generators / No Longer Regulated
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
Cortese - "Cortese" Hazardous Waste & Substances Sites List
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
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)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

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 04/29/2019 has revealed that there are 6 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEGEND DAIRY FARMS-S Facility Id: 60000781 Status: Certified	***14955 SCHLEISMAN***	***ENE 1/2 - 1 (0.724 mi.)***	***7***	***44***
W. F. DURRINGTON DAI Facility Id: 36020002 Status: No Further Action	***8107 KIMBALL AVE***	***NNW 1/2 - 1 (0.907 mi.)***	***9***	***50***
ENGELSMA DAIRY Facility Id: 36020003 Status: Refer: 1248 Local Agency	***8011 KIMBALL AVE***	***NNW 1/2 - 1 (0.977 mi.)***	***11***	***57***

Lower Elevation	Address	Direction / Distance	Map ID	Page
RONDO ELEMENTARY SCH Facility Id: 60002406 Status: No Further Action	***SOUTHEAST CORNER OF***	***ESE 1/4 - 1/2 (0.475 mi.)***	***3***	***35***
RODRIGUEZ DAIRY Facility Id: 36020004 Status: Refer: 1248 Local Agency	8340 AND 8342 CHINO	SSW 1/2 - 1 (0.533 mi.)	6	43
DUMP - HALL AVENUE	***7675 HALL***	***ESE 1/2 - 1 (0.878 mi.)***	***8***	***48***

Facility Id: 33490050
Status: Refer: Other Agency

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

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

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
BEMUS LANDSCAPE, INC	***8005 PINE AVE.***	***WNW 1/4 - 1/2 (0.499 mi.)***	***5***	***41***

Database: SWF/LF (SWIS), Date of Government Version: 05/13/2019
Facility ID: 36-AA-0485
Operational Status: Active
Regulation Status: Notification

State and tribal leaking storage tank lists

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 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STUEVE BROS. FARMS	***8300 PINE AVE***	***NNW 1/8 - 1/4 (0.189 mi.)***	***A1***	***8***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Facility Status: Leak being confirmed
Global Id: T0607100514
Global ID: T0607100514

R.T. LEE CONSTRUCTIO	***7200 HELLMAN AVE***	***ENE 1/4 - 1/2 (0.484 mi.)***	***4***	***38***

Database: RIVERSIDE CO. LUST, Date of Government Version: 04/11/2019
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Facility Status: Case Closed
Facility Id: 91579
Global Id: T0606500240
Facility Status: 9
Global ID: T0606500240

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STUEVE BROS. FARMS	***8300 PINE AVE***	***NNW 1/8 - 1/4 (0.189 mi.)***	***A1***	***8***
Status: A Tank Status: A Comp Number: 15830				

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
STUEVE BROS. FARMS	***8300 PINE AVE***	***NNW 1/8 - 1/4 (0.189 mi.)***	***A1***	***8***
Facility Id: 00000015830				

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

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STUEVE BROS. FARMS	***8300 PINE AVE***	***NNW 1/8 - 1/4 (0.189 mi.)***	***A1***	***8***
Facility Id: 36003954 Status: A				

Other Ascertainable Records

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STUEVE BROS. FARMS Reg Id: 083603288T	***8300 PINE AVE***	***NNW 1/8 - 1/4 (0.189 mi.)***	***A1***	***8***
R.T. LEE CONSTRUCTIO Reg Id: 083301876T	***7200 HELLMAN AVE***	***ENE 1/4 - 1/2 (0.484 mi.)***	***4***	***38***

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

A review of the HWP list, as provided by EDR, and dated 05/20/2019 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
STATE OF CALIF DEPT EPA Id: CAX000080424 Cleanup Status: CLOSED	CALIF INSTITUTE FOR	WSW 1/2 - 1 (0.925 mi.)	10	56

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

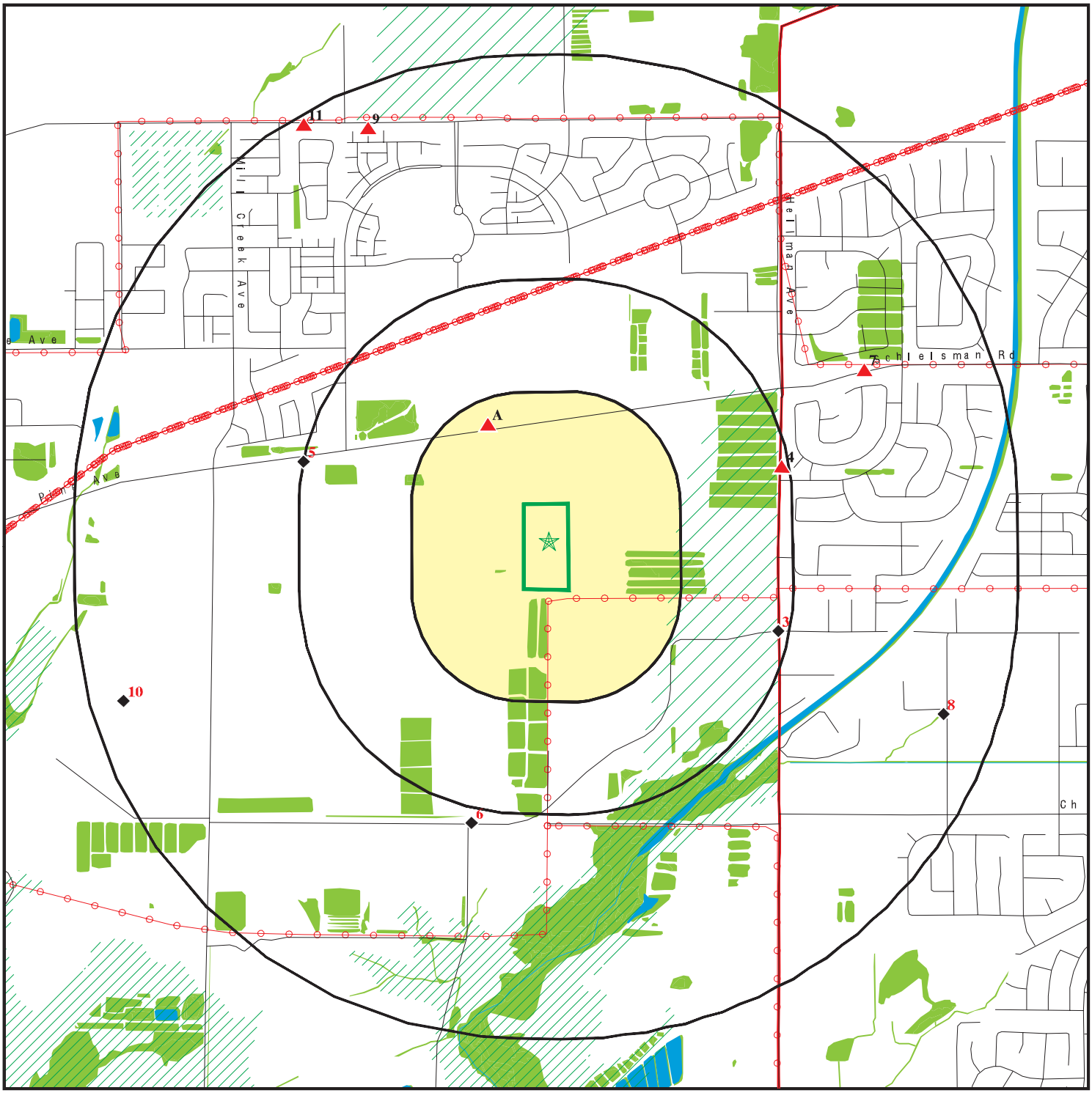
A review of the San Bern. Co. Permit list, as provided by EDR, and dated 05/31/2019 has revealed that there are 2 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STUEVE BROS. FARMS Facility Status: INACTIVE Facility Id: FA0010964	***8300 PINE AVE***	***NNW 1/8 - 1/4 (0.189 mi.)***	***A1***	***8***
GOLD DAIRY Facility Status: INACTIVE Facility Id: FA0000460	8286 PINE AVE	NNW 1/8 - 1/4 (0.195 mi.)	A2	34

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 5780643.2S



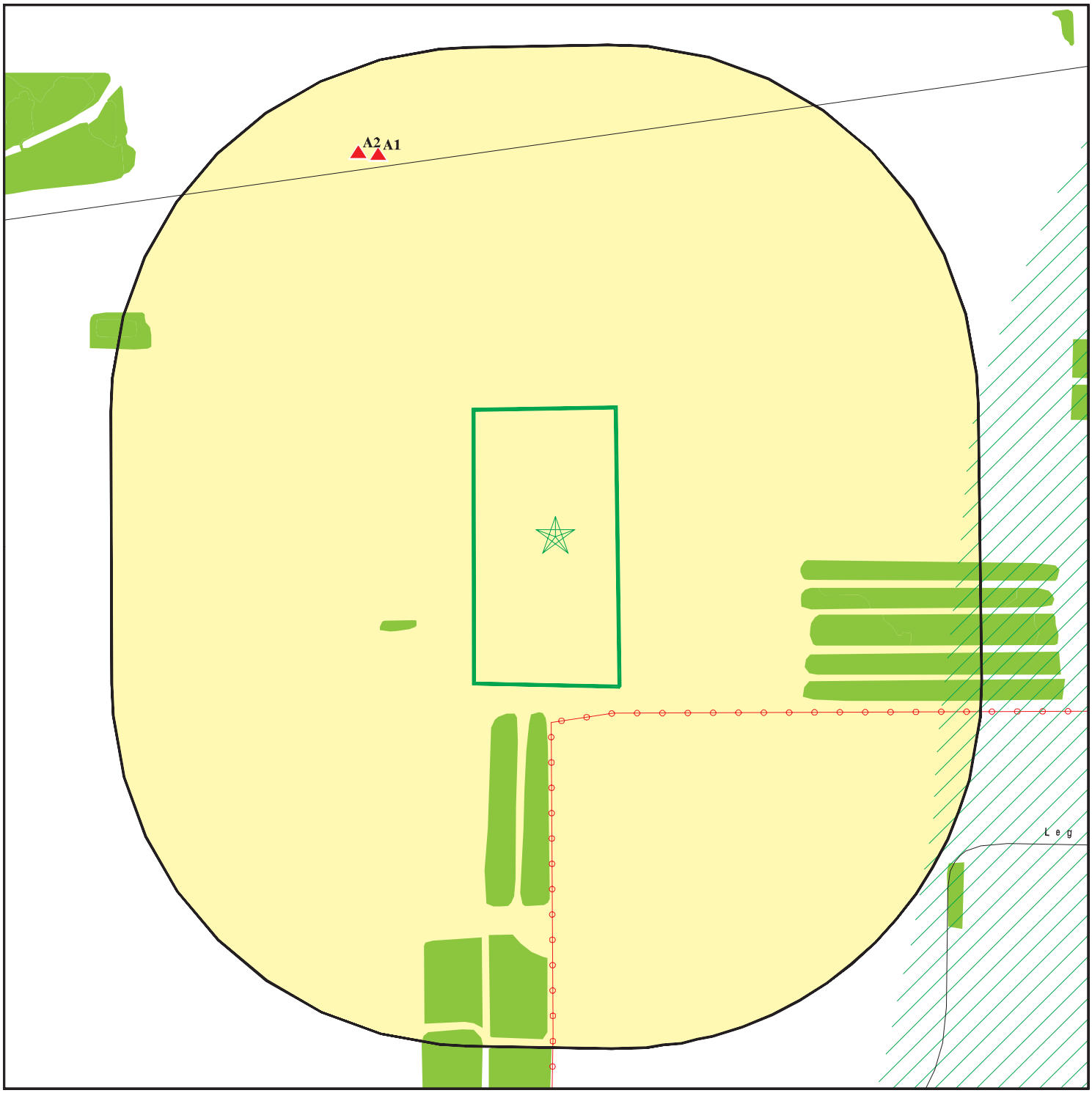
0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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

SITE NAME:	The Preserve Elementary School	CLIENT:	PlaceWorks
ADDRESS:	Not Reported Chino CA 91708	CONTACT:	Denise Clendening
LAT/LONG:	33.955089 / 117.6199	INQUIRY #:	5780643.2s
		DATE:	September 06, 2019 5:54 pm

DETAIL MAP - 5780643.2S



- 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
- 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

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:	The Preserve Elementary School	CLIENT:	PlaceWorks
ADDRESS:	Not Reported Chino CA 91708	CONTACT:	Denise Clendening
LAT/LONG:	33.955089 / 117.6199	INQUIRY #:	5780643.2s
		DATE:	September 06, 2019 5:58 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
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 CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	1	5	NR	6
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
LUST	0.500		0	1	1	NR	NR	2

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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
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
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields 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	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	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	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		0	1	NR	NR	NR	1
CA FID UST	0.250		0	1	NR	NR	NR	1
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
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	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
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		0	0	0	NR	NR	0
CUPA Listings	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
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	1	NR	NR	2
HWP	1.000		0	0	0	1	NR	1
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	0.001		0	NR	NR	NR	NR	0
San Bern. Co. Permit	0.250		0	2	NR	NR	NR	2
PEST LIC	0.001		0	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	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	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	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	0	7	4	6	0	17

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **STUEVE BROS. FARMS** **LUST** **1000142397**
NNW **8300 PINE AVE** **SWEEPS UST** **N/A**
1/8-1/4 **CHINO, CA 91710** **HIST UST**
0.189 mi. **CA FID UST**
996 ft. **Site 1 of 2 in cluster A** **ENF**
HIST CORTESE
Relative: **San Bern. Co. Permit**
Higher **CIWQS**
CERS
Actual:
603 ft.

LUST:

Name:	STUEVE BROS. FARMS
Address:	8300 PINE AVE
City,State,Zip:	CHINO, CA 91710
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100514
Global Id:	T0607100514
Latitude:	33.9584289
Longitude:	-117.6240498
Status:	Completed - Case Closed
Status Date:	06/19/2013
Case Worker:	NOM
RB Case Number:	083603288T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Gasoline, MTBE / TBA / Other Fuel Oxygenates
Site History:	.

LUST:

Global Id:	T0607100514
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607100514
Action Type:	ENFORCEMENT
Date:	03/18/2009
Action:	Staff Letter
Global Id:	T0607100514
Action Type:	ENFORCEMENT
Date:	07/06/2009
Action:	Staff Letter
Global Id:	T0607100514
Action Type:	ENFORCEMENT
Date:	06/22/2009
Action:	Meeting
Global Id:	T0607100514

STUEVE BROS. FARMS (Continued) **1000142397**

Action Type: RESPONSE
Date: 01/28/2009
Action: CAP/RAP - Other Report

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/28/2009
Action: Well Installation Report

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/28/2009
Action: Preliminary Site Assessment Report

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/28/2009
Action: Well Installation Report

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/20/2009
Action: Correspondence

Global Id: T0607100514
Action Type: RESPONSE
Date: 09/16/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607100514
Action Type: RESPONSE
Date: 04/08/2009
Action: Monitoring Report - Quarterly

Global Id: T0607100514
Action Type: RESPONSE
Date: 04/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/28/2009
Action: CAP/RAP - Feasibility Study Report

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/27/2010
Action: Soil and Water Investigation Workplan

Global Id: T0607100514
Action Type: RESPONSE
Date: 04/08/2009
Action: Soil and Water Investigation Workplan

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 11/18/2009

STUEVE BROS. FARMS (Continued) **1000142397**

Action: Staff Letter

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 01/10/2012
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 02/10/2010
Action: Staff Letter

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 04/22/2005
Action: File review

Global Id: T0607100514
Action Type: Other
Date: 09/30/1998
Action: Leak Discovery

Global Id: T0607100514
Action Type: RESPONSE
Date: 11/02/2010
Action: Correspondence

Global Id: T0607100514
Action Type: RESPONSE
Date: 02/14/2011
Action: Verbal Communication

Global Id: T0607100514
Action Type: RESPONSE
Date: 04/14/2011
Action: Correspondence

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 12/03/2008
Action: File review

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/24/2013
Action: Correspondence

Global Id: T0607100514
Action Type: RESPONSE
Date: 09/16/2011
Action: CAP/RAP - Other Report

Global Id: T0607100514
Action Type: RESPONSE
Date: 11/16/2011
Action: CAP/RAP - Other Report

STUEVE BROS. FARMS (Continued) **1000142397**

Global Id: T0607100514
Action Type: RESPONSE
Date: 11/18/2011
Action: Correspondence

Global Id: T0607100514
Action Type: RESPONSE
Date: 12/23/2011
Action: Correspondence

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 09/21/2011
Action: Staff Letter

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 11/24/2010
Action: Staff Letter

Global Id: T0607100514
Action Type: Other
Date: 09/23/1998
Action: Leak Stopped

Global Id: T0607100514
Action Type: RESPONSE
Date: 05/14/2013
Action: Well Destruction Report - Regulator Responded

Global Id: T0607100514
Action Type: REMEDIATION
Date: 10/01/2003
Action: Soil Vapor Extraction (SVE)

Global Id: T0607100514
Action Type: REMEDIATION
Date: 09/23/1998
Action: Excavation

Global Id: T0607100514
Action Type: REMEDIATION
Date: 10/31/2002
Action: Soil Vapor Extraction (SVE)

Global Id: T0607100514
Action Type: RESPONSE
Date: 09/24/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607100514
Action Type: RESPONSE
Date: 09/24/2012
Action: Remedial Progress Report

Global Id: T0607100514
Action Type: RESPONSE

STUEVE BROS. FARMS (Continued) **1000142397**

Date: 09/24/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 06/19/2013
Action: Closure/No Further Action Letter

Global Id: T0607100514
Action Type: Other
Date: 10/02/1998
Action: Leak Reported

Global Id: T0607100514
Action Type: RESPONSE
Date: 05/08/2013
Action: Correspondence

Global Id: T0607100514
Action Type: RESPONSE
Date: 02/24/2013
Action: Correspondence

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 11/18/2008
Action: Referral to Regional Board

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 11/09/2012
Action: File Review - Closure

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/28/2009
Action: Other Report / Document

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/28/2009
Action: Tank Removal Report / UST Sampling Report

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 11/14/2008
Action: Referral to Regional Board - #LOP #98077

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 11/14/2008
Action: Referral to Regional Board - #LOP #98077

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 12/17/2008
Action: Staff Letter

STUEVE BROS. FARMS (Continued) **1000142397**

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 01/28/2009
Action: Meeting

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 03/03/2009
Action: File review

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 03/05/2009
Action: File review

Global Id: T0607100514
Action Type: ENFORCEMENT
Date: 11/19/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/28/2009
Action: CAP/RAP - Other Report

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/28/2009
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0607100514
Action Type: RESPONSE
Date: 01/28/2009
Action: Soil and Water Investigation Report

Global Id: T0607100514
Action Type: RESPONSE
Date: 09/18/2012
Action: Site Assessment Report

LUST:
Global Id: T0607100514
Status: Open - Case Begin Date
Status Date: 06/14/1993

Global Id: T0607100514
Status: Open - Site Assessment
Status Date: 06/14/1993

Global Id: T0607100514
Status: Open - Remediation
Status Date: 11/26/2002

Global Id: T0607100514
Status: Open - Remediation
Status Date: 11/10/2008

STUEVE BROS. FARMS (Continued) **1000142397**

Global Id:	T0607100514
Status:	Open - Verification Monitoring
Status Date:	07/13/2010
Global Id:	T0607100514
Status:	Open - Eligible for Closure
Status Date:	11/07/2012
Global Id:	T0607100514
Status:	Completed - Case Closed
Status Date:	06/19/2013

LUST REG 8:

Name:	STUEVE BROS. FARMS
Address:	8300 PINE AVE
City:	CHINO
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Leak being confirmed
Case Number:	083603288T
Local Case Num:	98077
Case Type:	Other ground water affected
Substance:	8006619, MTB
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0607100514
How Stopped Date:	Not reported
Enter Date:	11/6/1998
Date Confirmation of Leak Began:	1/1/1965
Date Preliminary Assessment Began:	Not reported
Discover Date:	9/30/1998
Enforcement Date:	Not reported
Close Date:	Not reported
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:	11/6/1998
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9584289
Longitude:	-117.6240498
MTBE Date:	Not reported

STUEVE BROS. FARMS (Continued) **1000142397**

Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	NOM
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	AGR
Priority:	A1
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

SWEEPS UST:

Name:	ALTA-DENA DAIRY
Address:	8300 PINE
City:	CHINO
Status:	Active
Comp Number:	15830
Number:	9
Board Of Equalization:	Not reported
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	36-000-015830-000001
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	5

Name:	ALTA-DENA DAIRY
Address:	8300 PINE
City:	CHINO
Status:	Active
Comp Number:	15830
Number:	9
Board Of Equalization:	Not reported
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	02-29-88
Owner Tank Id:	4
SWRCB Tank Id:	36-000-015830-000002
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

STUEVE BROS. FARMS (Continued) **1000142397**

Name: ALTA-DENA DAIRY
Address: 8300 PINE
City: CHINO
Status: Active
Comp Number: 15830
Number: 9
Board Of Equalization: Not reported
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: 5
SWRCB Tank Id: 36-000-015830-000003
Tank Status: A
Capacity: 550
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: ALTA-DENA DAIRY
Address: 8300 PINE
City: CHINO
Status: Active
Comp Number: 15830
Number: 9
Board Of Equalization: Not reported
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 36-000-015830-000004
Tank Status: A
Capacity: 550
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Name: ALTA-DENA DAIRY
Address: 8300 PINE
City: CHINO
Status: Active
Comp Number: 15830
Number: 9
Board Of Equalization: Not reported
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 36-000-015830-000005
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P

STUEVE BROS. FARMS (Continued) **1000142397**

Content: LEADED
Number Of Tanks: Not reported

HIST UST:
Name: ALTA-DENA DAIRY
Address: 8300 PINE
City,State,Zip: CHINO, CA 91710
File Number: 000298CF
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000298CF.pdf
Region: STATE
Facility ID: 00000015830
Facility Type: Other
Other Type: DAIRY FARM
Contact Name: EARL COOK
Telephone: 7145972547
Owner Name: ALTA-DENA DAIRY
Owner Address: 17637 E. VALLEY BLVD.
Owner City,St,Zip: INDUSTRY, CA 91747
Total Tanks: 0005

Tank Num: 001
Container Num: 2
Year Installed: 1974
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 3/16
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 4
Year Installed: 1974
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 3/16
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 5
Year Installed: 1974
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 1
Year Installed: 1974
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12
Leak Detection: None

Tank Num: 005

STUEVE BROS. FARMS (Continued) **1000142397**

Container Num:	2
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	36003954
Regulated By:	UTNKA
Regulated ID:	00015830
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	8300 PINE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	CHINO 91710
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

ENF:

Name:	JOHN WESTSTEYN CATTLE - PINE
Address:	8300 PINE AVENUE
City,State,Zip:	CHINO, CA 91708-9239
Region:	8
Facility Id:	636479
Agency Name:	Weststeyn, John
Place Type:	Growing
Place Subtype:	Animal Feeding
Facility Type:	Agricultural
Agency Type:	Privately-Individual
# Of Agencies:	1
Place Latitude:	33.95891
Place Longitude:	-117.62346
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1

STUEVE BROS. FARMS (Continued) **1000142397**

Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	ANIWSTCOWS
Program Category1:	ANIMALWASTE
Program Category2:	ANIMALWASTE
# Of Programs:	1
WDID:	8 365942001
Reg Measure Id:	305701
Reg Measure Type:	Enrollee
Region:	8
Order #:	R8-2013-0001
Npdes# CA#:	CAG018001
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Active
Status Date:	06/28/2011
Effective Date:	09/26/2006
Expiration/Review Date:	06/01/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	10 - Confined animal feeding facility
Direction/Voice:	Passive
Enforcement Id(EID):	398054
Region:	8
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	08/18/2014
Adoption/Issuance Date:	08/18/2014
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	NOV 08/18/2014 for Weststeyn, John
Description:	Not reported
Program:	ANIWSTCOWS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0

STUEVE BROS. FARMS (Continued) **1000142397**

Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	JOHN WESTSTEYN CATTLE - PINE
Address:	8300 PINE AVENUE
City,State,Zip:	CHINO, CA 91708-9239
Region:	8
Facility Id:	636479
Agency Name:	Weststeyn, John
Place Type:	Growing
Place Subtype:	Animal Feeding
Facility Type:	Agricultural
Agency Type:	Privately-Individual
# Of Agencies:	1
Place Latitude:	33.95891
Place Longitude:	-117.62346
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	ANIWSTCOWS
Program Category1:	ANIMALWASTE
Program Category2:	ANIMALWASTE
# Of Programs:	1
WDID:	8 365942001
Reg Measure Id:	305701
Reg Measure Type:	Enrollee
Region:	8
Order #:	R8-2013-0001
Npdes# CA#:	CAG018001
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported

STUEVE BROS. FARMS (Continued) **1000142397**

Application Fee Amt Received:	1200
Status:	Active
Status Date:	06/28/2011
Effective Date:	09/26/2006
Expiration/Review Date:	06/01/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	10 - Confined animal feeding facility
Direction/Voice:	Passive
Enforcement Id(EID):	383855
Region:	8
Order / Resolution Number:	Not reported
Enforcement Action Type:	Third Party Action
Effective Date:	09/26/2011
Adoption/Issuance Date:	09/26/2011
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Administrative Order Issued by EPA on 09/26/2011 for Weststeyn, John
Description:	Not reported
Program:	ANIWSTCOWS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	JOHN WESTSTEYN CATTLE - PINE
Address:	8300 PINE AVENUE
City,State,Zip:	CHINO, CA 91708-9239
Region:	8
Facility Id:	636479
Agency Name:	Weststeyn, John
Place Type:	Growing
Place Subtype:	Animal Feeding
Facility Type:	Agricultural
Agency Type:	Privately-Individual
# Of Agencies:	1
Place Latitude:	33.95891
Place Longitude:	-117.62346
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

STUEVE BROS. FARMS (Continued) **1000142397**

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	ANIWSTCOWS
Program Category1:	ANIMALWASTE
Program Category2:	ANIMALWASTE
# Of Programs:	1
WDID:	8 365942001
Reg Measure Id:	305701
Reg Measure Type:	Enrollee
Region:	8
Order #:	R8-2013-0001
Npdes# CA#:	CAG018001
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Active
Status Date:	06/28/2011
Effective Date:	09/26/2006
Expiration/Review Date:	06/01/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	10 - Confined animal feeding facility
Direction/Voice:	Passive
Enforcement Id(EID):	360838
Region:	8
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	01/30/2009
Adoption/Issuance Date:	01/30/2009
Achieve Date:	Not reported
Termination Date:	01/30/2009

STUEVE BROS. FARMS (Continued) **1000142397**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Staff Enforcement Letter for Weststeyn, John 01/30/2009
Description:	Not reported
Program:	ANIWSTCOWS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	JOHN WESTSTEYN CATTLE - PINE
Address:	8300 PINE AVENUE
City,State,Zip:	CHINO, CA 91708-9239
Region:	8
Facility Id:	636479
Agency Name:	Not reported
Place Type:	Growing
Place Subtype:	Animal Feeding
Facility Type:	Agricultural
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	33.95891
Place Longitude:	-117.62346
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	ANIWSTCOWS
Program Category1:	ANIMALWASTE
Program Category2:	ANIMALWASTE
# Of Programs:	1
WDID:	Not reported
Reg Measure Id:	332712

STUEVE BROS. FARMS (Continued) **1000142397**

Reg Measure Type:	NPDES Permits
Region:	8
Order #:	R8-2007-0001
Npdes# CA#:	CAG018001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/24/2013
Effective Date:	09/07/2007
Expiration/Review Date:	09/06/2012
Termination Date:	06/06/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	G
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	347200
Region:	8
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	12/06/2007
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/06/2007
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Comm..(12/16/07)
Description:	Not reported
Program:	ANIWSTCOWS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	FALLONCREST FARMS
Address:	8300 PINE AVENUE
City,State,Zip:	CHINO, CA 91708-9239
Region:	8
Facility Id:	630612
Agency Name:	Not reported
Place Type:	Growing
Place Subtype:	Animal Feeding

STUEVE BROS. FARMS (Continued) **1000142397**

Facility Type:	Agricultural
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	33.95891
Place Longitude:	-117.62346
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	ANIWSTCOWS
Program Category1:	ANIMALWASTE
Program Category2:	ANIMALWASTE
# Of Programs:	1
WDID:	Not reported
Reg Measure Id:	332712
Reg Measure Type:	NPDES Permits
Region:	8
Order #:	R8-2007-0001
Npdes# CA#:	CAG018001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/24/2013
Effective Date:	09/07/2007
Expiration/Review Date:	09/06/2012
Termination Date:	06/06/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	G
Fee Code:	Not reported

STUEVE BROS. FARMS (Continued) **1000142397**

Direction/Voice:	Passive
Enforcement Id(EID):	347197
Region:	8
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	12/06/2007
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/06/2007
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Comm..(12/06/2007)
Description:	Not reported
Program:	ANIWSTCOWS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	FALLONCREST FARMS
Address:	8300 PINE AVENUE
City,State,Zip:	CHINO, CA 91708-9239
Region:	8
Facility Id:	630612
Agency Name:	Pietersma, Ronald
Place Type:	Growing
Place Subtype:	Animal Feeding
Facility Type:	Agricultural
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.95891
Place Longitude:	-117.62346
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported

STUEVE BROS. FARMS (Continued) **1000142397**

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	ANIWSTCOWS
Program Category1:	ANIMALWASTE
Program Category2:	ANIMALWASTE
# Of Programs:	1
WDID:	8 365938001
Reg Measure Id:	301923
Reg Measure Type:	Enrollee
Region:	8
Order #:	R8-2013-0001
Npdes# CA#:	CAG018001
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	872
Status:	Active
Status Date:	06/13/2013
Effective Date:	06/30/2006
Expiration/Review Date:	06/01/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	10 - Confined animal feeding facility
Direction/Voice:	Passive
Enforcement Id(EID):	398032
Region:	8
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	08/18/2014
Adoption/Issuance Date:	08/18/2014
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	NOV 08/18/2014 for Pietersma, Ronald
Description:	Not reported
Program:	ANIWSTCOWS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

STUEVE BROS. FARMS (Continued) **1000142397**

Name:	FALLONCREST FARMS
Address:	8300 PINE AVENUE
City,State,Zip:	CHINO, CA 91708-9239
Region:	8
Facility Id:	630612
Agency Name:	Pietersma, Ronald
Place Type:	Growing
Place Subtype:	Animal Feeding
Facility Type:	Agricultural
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.95891
Place Longitude:	-117.62346
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	ANIWSTCOWS
Program Category1:	ANIMALWASTE
Program Category2:	ANIMALWASTE
# Of Programs:	1
WDID:	8 365938001
Reg Measure Id:	301923
Reg Measure Type:	Enrollee
Region:	8
Order #:	R8-2013-0001
Npdes# CA#:	CAG018001
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	872
Status:	Active
Status Date:	06/13/2013
Effective Date:	06/30/2006
Expiration/Review Date:	06/01/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported

STUEVE BROS. FARMS (Continued) **1000142397**

WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	10 - Confined animal feeding facility
Direction/Voice:	Passive
Enforcement Id(EID):	384380
Region:	8
Order / Resolution Number:	Not reported
Enforcement Action Type:	Third Party Action
Effective Date:	09/26/2011
Adoption/Issuance Date:	09/26/2011
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Administrative Order Issued by EPA on 09/26/2011 for Pietersma, Ronald
Description:	Not reported
Program:	ANIWSTCOWS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	STUEVE BROS. FARMS
edr_fadd1:	8300
City,State,Zip:	CHINO, CA 91710
Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	083603288T

San Bern. Co. Permit:

Name:	JOHN WESTSTEYN CATTLE
Address:	8300 PINE AVE
City,State,Zip:	CHINO, CA 91708
Region:	SAN BERNARDINO
Facility ID:	FA0010964
Owner:	JOHN WESTSTEYN
Permit Number:	PT0018903
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	07/31/2009

CIWQS:

Name:	FALLONCREST FARMS

STUEVE BROS. FARMS (Continued) **1000142397**

Address:	8300 PINE
City,State,Zip:	CHINO, CA 91710
Agency:	Stueve Bros Farms
Agency Address:	8300 Pine Ave, Chino, CA 91710
Place/Project Type:	Industrial - Dairy Farms
SIC/NAICS:	241
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I005678
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/07/1992
Termination Date:	04/24/2000
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

Name:	JOHN WESTSTEYN CATTLE - PINE
Address:	8300 PINE AVENUE
City,State,Zip:	CHINO, CA 91708
Agency:	Weststeyn, John
Agency Address:	8300 Pine Avenue, Chino, CA 91708
Place/Project Type:	Animal Feeding Facility
SIC/NAICS:	Not reported
Region:	8
Program:	ANIWSTCOWS
Regulatory Measure Status:	Historical
Regulatory Measure Type:	Enrollee
Order Number:	R8-2018-0001
WDID:	8 365942001
NPDES Number:	CAG018001
Adoption Date:	Not reported
Effective Date:	09/26/2006
Termination Date:	01/22/2019
Expiration/Review Date:	03/15/2024
Design Flow:	Not reported
Major/Minor:	Minor
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	0
Latitude:	33.95891
Longitude:	-117.62346

CERS:

Name:	STUEVE BROS. FARMS
Address:	8300 PINE AVE
City,State,Zip:	CHINO, CA 91710

STUEVE BROS. FARMS (Continued) **1000142397**

Site ID: 241118
CERS ID: T0607100514
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: NANCY OLSON-MARTIN - 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: Not reported

Name: FALLONCREST FARMS
Address: 8300 PINE
City,State,Zip: CHINO, CA 91708
Site ID: 548710
CERS ID: 630612
CERS Description: Animal Wastewater Discharge

Violations:
Site ID: 548710
Site Name: Falloncrest Farms
Violation Date: 10-22-2008
Citation: California Water Code
Violation Description: Not reported
Violation Notes: All containment structures were not inspected or inspections were not documented at least once a week. A marker was not placed within each pond or containment structure. All containment structures were not inspected or inspections were not documented at least once a week.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 548710
Site Name: Falloncrest Farms
Violation Date: 11-04-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: EWMP was not fully implemented. The discharger did not maintain containment structures to retain all wastewater within the facility.
Violation Division: Water Boards
Violation Program: ANIWSTCOWS
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2018
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTCOWS
Eval Source: CIWQS

STUEVE BROS. FARMS (Continued) **1000142397**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTCOWS
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-05-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTCOWS
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2008
Violations Found: Yes
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTCOWS
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2009
Violations Found: Yes
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTCOWS
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2010
Violations Found: Yes
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTCOWS
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-18-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTCOWS
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-11-2013
Violations Found: Yes

STUEVE BROS. FARMS (Continued) **1000142397**

Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTCOWS
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2007
Violations Found: Yes
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: ANIWSTCOWS
Eval Source: CIWQS

Enforcement Action:
Site ID: 548710
Site Name: Falloncrest Farms
Site Address: 8300 PINE
Site City: CHINO
Site Zip: 91708
Enf Action Date: 08-18-2014
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTCOWS
Enf Action Source: CIWQS

Site ID: 548710
Site Name: Falloncrest Farms
Site Address: 8300 PINE
Site City: CHINO
Site Zip: 91708
Enf Action Date: 09-26-2011
Enf Action Type: Third Party Action
Enf Action Description: Third Party Action
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTCOWS
Enf Action Source: CIWQS

Site ID: 548710
Site Name: Falloncrest Farms
Site Address: 8300 PINE
Site City: CHINO
Site Zip: 91708
Enf Action Date: 12-06-2007
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: ANIWSTCOWS
Enf Action Source: CIWQS

Affiliation:

STUEVE BROS. FARMS (Continued) **1000142397**

Affiliation Type Desc:	Operator
Entity Name:	Ronald Pietersma
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:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Stueve Bros Farms
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:	Not reported

A2 **GOLD DAIRY** **San Bern. Co. Permit** **S104761813**
NNW **8286 PINE AVE** **N/A**
1/8-1/4 **CHINO, CA 91710**
0.195 mi.
1030 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
602 ft.

San Bern. Co. Permit:

Name:	GOLD DAIRY
Address:	8286 PINE AVE
City,State,Zip:	CHINO, CA 91710
Region:	SAN BERNARDINO
Facility ID:	FA0000460
Owner:	STUEVE, GIEN
Permit Number:	PT0008983
Permit Category:	SPECIAL GENERATOR
Facility Status:	INACTIVE
Expiration Date:	04/30/2097

Name:	GOLD DAIRY
Address:	8286 PINE AVE
City,State,Zip:	CHINO, CA 91710
Region:	SAN BERNARDINO
Facility ID:	FA0000460
Owner:	STUEVE, GIEN
Permit Number:	PT0008982
Permit Category:	SPECIAL HANDLER
Facility Status:	INACTIVE
Expiration Date:	04/30/2097

3
ESE
1/4-1/2
0.475 mi.
2508 ft.

RONDO ELEMENTARY SCHOOL
SOUTHEAST CORNER OF HELLMAN AVENUE & WALTERS STREET
EASTVALE, CA 92880

ENVIROSTOR SCH | **S119002121 N/A**

Relative: Lower

Actual: 575 ft.

ENVIROSTOR:

Name:	RONDO ELEMENTARY SCHOOL
Address:	SOUTHEAST CORNER OF HELLMAN AVENUE & WALTERS STREET
City,State,Zip:	EASTVALE, CA 92880
Facility ID:	60002406
Status:	No Further Action
Status Date:	04/14/2017
Site Code:	404934
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	10
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	, 60
Senate:	, 31
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.95121
Longitude:	-117.6092
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - LIVESTOCK, RESIDENTIAL AREA, VEHICLE MAINTENANCE
Potential COC:	Under Investigation DDD DDE DDT Dioxin (as 2,3,7,8-TCDD TEQ Lead, Organic (tetraethyl lead
Confirmed COC:	30006-NO 30007-NO 30008-NO 30009-NO 30343-NO 31001-NO
Potential Description:	SOIL
Alias Name:	404934
Alias Type:	Project Code (Site Code)
Alias Name:	60002406
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	09/13/2016
Comments:	Fully executed EOA sent to District via email on 09/13/16 and regular mail on 09/14/16.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/12/2018
Comments:	CRBU processed Form 1554; closeout complete.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement Application
Completed Date:	08/22/2016

RONDO ELEMENTARY SCHOOL (Continued) **S119002121**

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	08/22/2016
Comments:	District submitted e-copy of Phase I ESA, dated 06/30/16, w/ EOP Application for background purposes.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Tech Memo
Completed Date:	11/29/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/14/2017
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:

Name:	RONDO ELEMENTARY SCHOOL
Address:	SOUTHEAST CORNER OF HELLMAN AVENUE & WALTERS STREET
City,State,Zip:	EASTVALE, CA 92880
Facility ID:	60002406
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	10
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404934
Assembly:	, 60
Senate:	, 31
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	04/14/2017
Restricted Use:	NO
Funding:	School District
Latitude:	33.95121

RONDO ELEMENTARY SCHOOL (Continued) **S119002121**

Longitude:	-117.6092
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - LIVESTOCK, RESIDENTIAL AREA, VEHICLE MAINTENANCE
Potential COC:	Under Investigation, DDD, DDE, DDT, Dioxin (as 2,3,7,8-TCDD TEQ, Lead, Organic (tetraethyl lead
Confirmed COC:	30006-NO, 30007-NO, 30008-NO, 30009-NO, 30343-NO, 31001-NO
Potential Description:	SOIL
Alias Name:	404934
Alias Type:	Project Code (Site Code)
Alias Name:	60002406
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	09/13/2016
Comments:	Fully executed EOA sent to District via email on 09/13/16 and regular mail on 09/14/16.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/12/2018
Comments:	CRBU processed Form 1554; closeout complete.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement Application
Completed Date:	08/22/2016
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	08/22/2016
Comments:	District submitted e-copy of Phase I ESA, dated 06/30/16, w/ EOP Application for background purposes.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Tech Memo
Completed Date:	11/29/2016
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/14/2017
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

RONDO ELEMENTARY SCHOOL (Continued) **S119002121**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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4 **R.T. LEE CONSTRUCTION** **LUST** **S104160153**
ENE **7200 HELLMAN AVE** **HIST CORTESE** **N/A**
1/4-1/2 **CORONA, CA 91720** **CERS**
0.484 mi.
2553 ft.

Relative:
Higher

Actual:
595 ft.

LUST:
Name: R.T. LEE CONSTRUCTION
Address: 7200 HELLMAN AVE
City,State,Zip: CORONA, CA 91720
Lead Agency: RIVERSIDE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500240
Global Id: T0606500240
Latitude: 33.953497
Longitude: -117.6104513
Status: Completed - Case Closed
Status Date: 08/26/1992
Case Worker: RIV
RB Case Number: 083301876T
Local Agency: RIVERSIDE COUNTY LOP
File Location: Local Agency Warehouse
Local Case Number: 91579
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606500240
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: carl.bernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0606500240
Contact Type: Local Agency Caseworker
Contact Name: Riverside County LOP
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: Not reported
Phone Number: 9519558980

LUST:
Global Id: T0606500240
Action Type: ENFORCEMENT
Date: 08/26/1992
Action: Closure/No Further Action Letter

Global Id: T0606500240
Action Type: Other
Date: 05/30/1991

R.T. LEE CONSTRUCTION (Continued) **S104160153**

Action: Leak Discovery

Global Id: T0606500240
Action Type: ENFORCEMENT
Date: 08/25/1992
Action: File review - #RCDEH Upload Site File 10/21/2015

Global Id: T0606500240
Action Type: ENFORCEMENT
Date: 08/26/1992
Action: Closure/No Further Action Letter - #RivCo Closure

Global Id: T0606500240
Action Type: Other
Date: 05/30/1991
Action: Leak Stopped

Global Id: T0606500240
Action Type: Other
Date: 07/01/1991
Action: Leak Reported

LUST:
Global Id: T0606500240
Status: Open - Case Begin Date
Status Date: 05/30/1991

Global Id: T0606500240
Status: Open - Site Assessment
Status Date: 07/08/1991

Global Id: T0606500240
Status: Open - Remediation
Status Date: 01/22/1992

Global Id: T0606500240
Status: Completed - Case Closed
Status Date: 08/26/1992

LUST REG 8:
Name: R.T. LEE CONSTRUCTION
Address: 7200 HELLMAN AVE
City: CORONA
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083301876T
Local Case Num: 91579
Case Type: Soil only
Substance: Misc. Motor Vehicle Fuels
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Cross Street: Not reported

R.T. LEE CONSTRUCTION (Continued) **S104160153**

Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500240
How Stopped Date:	Not reported
Enter Date:	7/20/1991
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	Not reported
Enforcement Date:	Not reported
Close Date:	8/26/1992
Date Prelim Assessment Workplan Submitted:	7/8/1991
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	1/22/1992
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	7/20/1991
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.953497
Longitude:	-117.6104513
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	CAB
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

RIVERSIDE CO. LUST:

Name:	R T LEE CONSTRUCTION
Address:	7200 HELLMAN AVE
City,State,Zip:	CORONA, CA
Region:	RIVERSIDE
Facility ID:	91579
Employee:	Thompson
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted

R.T. LEE CONSTRUCTION (Continued) **S104160153**

Fstatus Decode: Closed/Action completed

HIST CORTESE:
edr_fname: R.T. LEE CONSTRUCTION
edr_fadd1: 7200 HELLMAN
City,State,Zip: CORONA, CA 91720
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083301876T

CERS:
Name: R.T. LEE CONSTRUCTION
Address: 7200 HELLMAN AVE
City,State,Zip: CORONA, CA 91720
Site ID: 189419
CERS ID: T0606500240
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: Riverside County LOP - 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

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT - 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: 9517824495

---

5 **BEMUS LANDSCAPE, INC.** **SWF/LF S117540934**
WNW **8005 PINE AVE.** **CERS N/A**
1/4-1/2 **CHINO, CA**
0.499 mi.
2633 ft.

Relative:
Lower

Actual:
590 ft.

SWF/LF (SWIS):
Name: BEMUS LANDSCAPE, INC.
Address: 8005 PINE AVE.
City,State,Zip: CHINO, CA
Facility ID: 36-AA-0485
Lat/Long: 33.95527 / -117.62932
Owner Name: Chino Holding Co.
Owner Telephone: 9095791264
Owner Address: Not reported
Owner Address2: 1156 N. Mointain Ave.

BEMUS LANDSCAPE, INC. (Continued) **S117540934**

Owner City,St,Zip:	Upland, CA 91786
Operational Status:	Active
Operator:	Bemus Landscape, Inc.
Operator Phone:	8885577910
Operator Address:	Not reported
Operator Address2:	P.O. Box 74268
Operator City,St,Zip:	San Clemente, CA 92673
Permit Date:	12/26/2014
Permit Status:	Notification
Permitted Acreage:	$5.00
Activity:	Composting Operation (Green Waste)
Regulation Status:	Notification
Landuse Name:	Not reported
GIS Source:	Map
Category:	Composting
Unit Number:	01
Inspection Frequency:	Quarterly
Accepted Waste:	Green Materials
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	36-AA-0485
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	20
Actual Throughput with Units:	Tons/day
Permitted Capacity with Units:	7200
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Tons/year
Lat/Long:	33.95527 / -117.62932

CERS:

Name:	BEMUS LANDSCAPE, INC.
Address:	8005 PINE AVE.
City,State,Zip:	CHINO, CA
Site ID:	507019
CERS ID:	36-AA-0485
CERS Description:	Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	Chino Holding Co.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Upland
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91786
Affiliation Phone:	9095791264

Affiliation Type Desc:	Legal Operator
Entity Name:	Bemus Landscape, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	San Clemente
Affiliation State:	CA
Affiliation Country:	Not reported

BEMUS LANDSCAPE, INC. (Continued) **S117540934**

Affiliation Zip: 92673
Affiliation Phone: 8885577910

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6 **RODRIGUEZ DAIRY** **ENVIROSTOR** **S106797654**
SSW **8340 AND 8342 CHINO CORONA ROAD** **N/A**
1/2-1 **CHINO, CA 91708**
0.533 mi.
2814 ft.

Relative:
Lower

Actual:
568 ft.

ENVIROSTOR:

Name:	RODRIGUEZ DAIRY
Address:	8340 AND 8342 CHINO CORONA ROAD
City,State,Zip:	CHINO, CA 91708
Facility ID:	36020004
Status:	Refer: 1248 Local Agency
Status Date:	06/07/2004
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	61
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.94604
Longitude:	-117.6229
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	36020004
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
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

RODRIGUEZ DAIRY (Continued) **S106797654**

Schedule Revised Date: Not reported

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7 **LEGEND DAIRY FARMS-SCHLEISMAN** **ENVIROSTOR** **S103866533**
ENE **14955 SCHLEISMAN** **VCP** **N/A**
1/2-1 **CORONA, CA 91720** **WDS**
0.724 mi.
3825 ft.

Relative:
Higher

Actual:
606 ft.

ENVIROSTOR:

Name:	PIETERSMA DAIRY (FORMER)
Address:	14955 SCHLEISMAN ROAD
City,State,Zip:	CORONA, CA 92880
Facility ID:	60000781
Status:	Certified
Status Date:	06/30/2010
Site Code:	401398
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	54
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	60
Senate:	31
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.96081
Longitude:	-117.6085
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - LIVESTOCK
Potential COC:	Chlordane
Confirmed COC:	30004-NO
Potential Description:	SOIL
Alias Name:	110033605891
Alias Type:	EPA (FRS #)
Alias Name:	401398
Alias Type:	Project Code (Site Code)
Alias Name:	60000781
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	12/21/2007
Comments:	Agreement Fully Executed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/13/2009
Comments:	Letter sent on October 13, 2009.

LEGEND DAIRY FARMS-SCHLEISMAN (Continued) **S103866533**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/02/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/15/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/16/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/18/2008
Comments: DTSC approved this document.

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

VCP:
Name: PIETERSMA DAIRY (FORMER)
Address: 14955 SCHLEISMAN ROAD
City,State,Zip: CORONA, CA 92880
Facility ID: 60000781
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 54
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP

LEGEND DAIRY FARMS-SCHLEISMAN (Continued) **S103866533**

Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Site Code:	401398
Assembly:	60
Senate:	31
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified
Status Date:	06/30/2010
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.96081 / -117.6085
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - LIVESTOCK
Potential COC:	30004
Confirmed COC:	30004-NO
Potential Description:	SOIL
Alias Name:	110033605891
Alias Type:	EPA (FRS #)
Alias Name:	401398
Alias Type:	Project Code (Site Code)
Alias Name:	60000781
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	12/21/2007
Comments:	Agreement Fully Executed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/13/2009
Comments:	Letter sent on October 13, 2009.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	06/30/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/02/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	07/15/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

LEGEND DAIRY FARMS-SCHLEISMAN (Continued) **S103866533**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/16/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/18/2008
Comments: DTSC approved this document.

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

WDS:
Name: LEGEND DAIRY FARMS-SCHLEISMAN
Address: 14955 SCHLEISMAN
City: CORONA
Facility ID: Santa Ana River 335532001
Facility Type: Agricultural - Facility that treats and/or disposes of the wastes associated with confined and concentrated animal feeding, confined animal feeding, confined animal holding, confined and concentrated aquatic animal production facilities, and aquaculture. the treatment and/or disposal of agricultural return water is included in this category.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAG018001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 8
Facility Telephone: Not reported
Facility Contact: RON PIETERSMA
Agency Name: PIETERSMA RON
Agency Address: PO BOX 2500
Agency City,St,Zip: CHINO 91708
Agency Contact: RON PIETERSMA
Agency Telephone: 9096272100
Agency Type: Private
SIC Code: 241
SIC Code 2: Not reported
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

LEGEND DAIRY FARMS-SCHLEISMAN (Continued) **S103866533**

	waste).
Primary Waste:	STORMS
Waste Type2:	D
Waste2:	Stormwater Runoff
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Secondary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

8
ESE
1/2-1
0.878 mi.
4637 ft.

DUMP - HALL AVENUE **ENVIROSTOR** **S101481571**
7675 HALL **HIST CORTESE** **N/A**
CORONA, CA 91720

Relative: Lower

Actual: 569 ft.

ENVIROSTOR:

Name:	DUMP - HALL AVENUE
Address:	7675 HALL AVENUE
City,State,Zip:	CORONA, CA 91720
Facility ID:	33490050
Status:	Refer: Other Agency
Status Date:	06/10/1991
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	60
Senate:	31
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use:	NO

DUMP - HALL AVENUE (Continued) **S101481571**

Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.95
Longitude: -117.6041
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HOUSEHOLD WASTES * BIOLOGICAL WASTE OTHER THAN SEWAGE SLUDGE * UNSPECIFIED SOLVENT MIXTURES
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD980892426
Alias Type: EPA Identification Number
Alias Name: 33490050
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/22/1983
Comments: FACILITY IDENTIFIED ID FROM RWQCB COMPLAINTS 1980 FILE. COMPLAINT BY A MRS. SPIDLE. DUMPING SOLVENT ONTO GROUND,UNK VOLUME AT VARIOU INSPECTORS REP: AN EMPTY LOT ON W SIDE OF HALL AVE,ACROSS FROM SPIDLE HOUSE. BEING USED TO ILLEGALLY DUMP ANY & EVERY THING FROM VARIOUS PEOPLE.NO AUTO STARTR OPER CLOSE TO THE FIELD. FINAL STRATEGY SITE REFERRED : TO CO HLTH.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/10/1991
Comments: SSI Reassessment Report was reviewed by Region 4 staff. EPA recommended NFA because: potential for release to air or GW is moderate, GW supplies a small population (mainly dairy farms and grazing for goats) and surface water is not used for drinking. A preliminary HRS I calculation yields a score of 3.98. Staff recommends referral to a local agency.

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

HIST CORTESE:
edr_fname: DUMP - HALL AVENUE
edr_fadd1: 7675 HALL
City,State,Zip: CORONA, CA 91720
Region: CORTESE
Facility County Code: 33
Reg By: CALSI
Reg Id: 33490050

9
NNW
1/2-1
0.907 mi.
4787 ft.

W. F. DURRINGTON DAIRY
8107 KIMBALL AVE
CHINO, CA 91710

ENVIROSTOR
LUST
SCH
HIST UST
CERS

U001568984
N/A

Relative:
Higher

Actual:
622 ft.

ENVIROSTOR:

Name:	DURRINGTON SITE
Address:	8107 KIMBALL AVENUE
City,State,Zip:	CHINO, CA 91710
Facility ID:	36020002
Status:	No Further Action
Status Date:	05/05/2005
Site Code:	404482
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	20
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	52
Senate:	20
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.9661
Longitude:	-117.6239
APN:	105531106
Past Use:	AGRICULTURAL - LIVESTOCK
Potential COC:	Arsenic DDD DDE DDT Lead
Confirmed COC:	30001-NO 30006-NO 30007-NO 30008-NO 30013-NO
Potential Description:	SOIL
Alias Name:	DURRINGTON SITE
Alias Type:	Alternate Name
Alias Name:	LEWIS INVESTMENT COMPANY, LLC
Alias Type:	Alternate Name
Alias Name:	LEWIS LLC-PROPOSED KIMBALL AVE SITE
Alias Type:	Alternate Name
Alias Name:	PROPOSED KIMBALL AVENUE SITE
Alias Type:	Alternate Name
Alias Name:	105531106
Alias Type:	APN
Alias Name:	404482
Alias Type:	Project Code (Site Code)
Alias Name:	36020002
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	11/18/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

W. F. DURRINGTON DAIRY (Continued) **U001568984**

Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/02/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/15/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/19/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/05/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/06/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/03/2003
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

LUST:
Name: DURRINGTON DAIRY
Address: 8107 KIMBALL AVE
City,State,Zip: CHINO, CA 91710
Lead Agency: SAN BERNARDINO COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100560
Global Id: T0607100560
Latitude: 33.9684897
Longitude: -117.6271491
Status: Completed - Case Closed
Status Date: 11/17/1999
Case Worker: JC

W. F. DURRINGTON DAIRY (Continued) **U001568984**

RB Case Number: 083603417T
Local Agency: SAN BERNARDINO COUNTY
File Location: Local Agency
Local Case Number: 99043
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607100560
Contact Type: Local Agency Caseworker
Contact Name: JACKSON CRUTSINGER
Organization Name: SAN BERNARDINO COUNTY
Address: 620 SOUTH E STREET
City: SAN BERNARDINO
Email: jcrutsinger@sbcfire.org
Phone Number: Not reported

Global Id: T0607100560
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

LUST:
Global Id: T0607100560
Action Type: ENFORCEMENT
Date: 11/17/1999
Action: Closure/No Further Action Letter

Global Id: T0607100560
Action Type: Other
Date: 12/01/1998
Action: Leak Discovery

Global Id: T0607100560
Action Type: REMEDIATION
Date: 03/09/1999
Action: Excavation

Global Id: T0607100560
Action Type: ENFORCEMENT
Date: 11/04/1999
Action: Closure/No Further Action Letter

Global Id: T0607100560
Action Type: Other
Date: 03/10/1999
Action: Leak Reported

LUST:
Global Id: T0607100560
Status: Open - Case Begin Date
Status Date: 12/01/1998

W. F. DURRINGTON DAIRY (Continued) **U001568984**

Global Id:	T0607100560
Status:	Open - Site Assessment
Status Date:	12/01/1998
Global Id:	T0607100560
Status:	Open - Remediation
Status Date:	03/09/1999
Global Id:	T0607100560
Status:	Completed - Case Closed
Status Date:	11/17/1999

SCH:

Name:	DURRINGTON SITE
Address:	8107 KIMBALL AVENUE
City,State,Zip:	CHINO, CA 91710
Facility ID:	36020002
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	20
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404482
Assembly:	52
Senate:	20
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	05/05/2005
Restricted Use:	NO
Funding:	School District
Latitude:	33.9661
Longitude:	-117.6239
APN:	105531106
Past Use:	AGRICULTURAL - LIVESTOCK
Potential COC:	Arsenic, DDD, DDE, DDT, Lead
Confirmed COC:	30001-NO, 30006-NO, 30007-NO, 30008-NO, 30013-NO
Potential Description:	SOIL
Alias Name:	DURRINGTON SITE
Alias Type:	Alternate Name
Alias Name:	LEWIS INVESTMENT COMPANY, LLC
Alias Type:	Alternate Name
Alias Name:	LEWIS LLC-PROPOSED KIMBALL AVE SITE
Alias Type:	Alternate Name
Alias Name:	PROPOSED KIMBALL AVENUE SITE
Alias Type:	Alternate Name
Alias Name:	105531106
Alias Type:	APN
Alias Name:	404482
Alias Type:	Project Code (Site Code)

W. F. DURRINGTON DAIRY (Continued) **U001568984**

Alias Name: 36020002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/18/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/02/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/15/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/19/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/05/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/06/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/03/2003
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

HIST UST:

W. F. DURRINGTON DAIRY (Continued) **U001568984**

Name:	W. F. DURRINGTON DAIRY
Address:	8107 KIMBALL AVE
City,State,Zip:	CHINO, CA 91710
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000028877
Facility Type:	Other
Other Type:	FARMING
Contact Name:	GLEN DURRINGTON
Telephone:	7145972401
Owner Name:	W. F.DURRINGTON DAIRY
Owner Address:	8107 KIMBALL AVE.
Owner City,St,Zip:	CHINO, CA 91710
Total Tanks:	0003

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00001800
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

CERS:

Name:	DURRINGTON SITE
Address:	8107 KIMBALL AVENUE
City,State,Zip:	CHINO, CA 91710
Site ID:	336872
CERS ID:	36020002
CERS Description:	School Investigation

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	SHAHIR HADDAD
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

W. F. DURRINGTON DAIRY (Continued) **U001568984**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: DURRINGTON DAIRY
Address: 8107 KIMBALL AVE
City,State,Zip: CHINO, CA 91710
Site ID: 206063
CERS ID: T0607100560
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JACKSON CRUTSINGER - SAN BERNARDINO COUNTY
Entity Title: Not reported
Affiliation Address: 620 SOUTH E STREET
Affiliation City: SAN BERNARDINO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

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

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10 **STATE OF CALIF DEPT OF CORRECTIONS** **HWP** **S109467295**
WSW **CALIF INSTITUTE FOR WOMEN** **N/A**
1/2-1 **FRONTERA, CA 91720**
0.925 mi.
4886 ft.

Relative: **Lower**

Actual: **567 ft.**

HWP:
Name: STATE OF CALIF DEPT OF CORRECTIONS
Address: CALIF INSTITUTE FOR WOMEN
City,State,Zip: FRONTERA, CA 917200000
EPA Id: CAX000080424
Cleanup Status: CLOSED
Latitude: 33.94998
Longitude: -117.6364
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: Not reported
Senate District: Not reported
Public Information Officer: Not reported
Public Information Officer: Not reported

STATE OF CALIF DEPT OF CORRECTIONS (Continued) **S109467295**

Closure:
EPA Id: CAX000080424
Facility Type: Historical - Non-Operating
Unit Names: Unit1
Event Description: Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date: 11/20/2017

11
NNW
1/2-1
0.977 mi.
5159 ft.

ENGELSMA DAIRY
8011 KIMBALL AVE
CHINO, CA 91710

ENVIROSTOR **U001568899**
CPS-SLIC **N/A**
HIST UST
San Bern. Co. Permit
CERS

Relative:
Higher

Actual:
618 ft.

ENVIROSTOR:
Name: ENGLESMA DAIRY
Address: 8011 KIMBALL AVE.
City,State,Zip: CHINO, CA 91710
Facility ID: 36020003
Status: Refer: 1248 Local Agency
Status Date: 10/07/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 61
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.96859
Longitude: -117.6301
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 36020003
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

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

ENGELSMA DAIRY (Continued) **U001568899**

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

CPS-SLIC:
Name: ENGLESMA DAIRY
Address: 8011 KIMBALL AVENUE
City,State,Zip: CHINO, CA 91710
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/27/2005
Global Id: T0607126956
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: 2004026
Latitude: 33.968664
Longitude: -117.629796
Case Type: Cleanup Program Site
Case Worker: KRW
Local Agency: SAN BERNARDINO COUNTY
RB Case Number: Not reported
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:
Name: ENGELSMA DAIRY
Address: 8011 KIMBALL AVE
City,State,Zip: CHINO, CA 91710
File Number: 0002A2FC
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A2FC.pdf
Region: STATE
Facility ID: 00000038980
Facility Type: Other
Other Type: FARM
Contact Name: Not reported
Telephone: 7145972110
Owner Name: MRS. JAKE ENGELSMA
Owner Address: 8011 KIMBALL AVE.
Owner City,St,Zip: CHINO, CA 91710
Total Tanks: 0001

Tank Num: 001
Container Num: 101
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, None

ENGELSMA DAIRY (Continued) **U001568899**

Click here for Geo Tracker PDF:

San Bern. Co. Permit:
Name: ENGELSMA DAIRY
Address: 8011 KIMBALL AVE
City,State,Zip: CHINO, CA 91710
Region: SAN BERNARDINO
Facility ID: FA0000440
Owner: MRS JAKE ENGELSMA
Permit Number: PT0008965
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 04/30/2097

Name: ENGELSMA DAIRY
Address: 8011 KIMBALL AVE
City,State,Zip: CHINO, CA 91710
Region: SAN BERNARDINO
Facility ID: FA0000440
Owner: MRS JAKE ENGELSMA
Permit Number: PT0008966
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 04/30/2097

CERS:
Name: ENGLESMA DAIRY
Address: 8011 KIMBALL AVENUE
City,State,Zip: CHINO, CA 91710
Site ID: 227361
CERS ID: T0607126956
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Ken Williams - 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: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CURTIS BRUNDAGE - SAN BERNARDINO COUNTY
Entity Title: Not reported
Affiliation Address: 620 S. E STREET
Affiliation City: SAN BERNARDINO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/14/2019
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 36

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

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

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an 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: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

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

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

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

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

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

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

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

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

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

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

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

LUST REG 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 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 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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 02/19/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/13/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

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

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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

State and tribal registered storage tank lists

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

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

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: 06/10/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 42

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

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

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
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: 11/07/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/05/2019
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: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/03/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

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: 06/20/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

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

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State and tribal Brownfields 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: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 57
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/30/2019
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: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

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

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 08/02/2019
Next Scheduled EDR Contact: 11/11/2019
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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
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: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

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: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

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

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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 06/28/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 26

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 09/23/2019
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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

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

Date of Government Version: 10/15/1990
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: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/05/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 49

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 05/15/2019
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 58

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

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

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

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

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

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

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/16/2019
Next Scheduled EDR Contact: 11/25/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/07/2019
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 08/09/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/18/2019
Next Scheduled EDR Contact: 09/30/2019
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: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
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: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/16/2019
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: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
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: 07/03/2019
Next Scheduled EDR Contact: 10/21/2019
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: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 11/04/2019
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: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/07/2019
Next Scheduled EDR Contact: 09/16/2019
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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/03/2019
Next Scheduled EDR Contact: 12/16/2019
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: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/02/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
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: 04/01/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 100

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
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: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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

US MINES: Mines Master Index File

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

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
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: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
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: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
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: 03/27/2019
Date Data Arrived at EDR: 03/28/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 34

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/23/2019
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: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
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: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
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: 04/07/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

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: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
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: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 57

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/15/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 04/18/2019
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 11

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Annually

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: 03/19/2019
Date Data Arrived at EDR: 03/22/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 18

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 09/30/2019
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: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
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: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
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: 04/08/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 65

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 05/17/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 66

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 66

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/17/2019
Date Data Arrived at EDR: 06/18/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 65

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
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: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
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: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 70

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 26

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 27

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/18/2019
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: 05/22/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 29

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 06/05/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 47

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 11/11/2019
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: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/19/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 05/16/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 13

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 05/30/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 53

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

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

Source: N/A
Telephone: N/A
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: No Update Planned

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

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/15/2019
Date Data Arrived at EDR: 04/16/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 66

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
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: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
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: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
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: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 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: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 07/15/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
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: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/04/2019
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 Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 05/28/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 67

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 05/23/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
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: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 02/21/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 9

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

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

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Annually

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

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

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

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/12/2019
Number of Days to Update: 69

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RIVERSIDE COUNTY:

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

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 18

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Quarterly

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

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 69

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
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: 05/06/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
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: 02/06/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 79

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 48

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/16/2019
Next Scheduled EDR Contact: 11/18/2019
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: 05/31/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 52

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 08/06/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 1

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 09/23/2019
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: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/19/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 60
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
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: 07/23/2019
Number of Days to Update: 47
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
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: 04/03/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 49

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/28/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 05/09/2019
Date Data Arrived at EDR: 05/10/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 68

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 07/31/2019
Next Scheduled EDR Contact: 11/04/2019
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: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
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: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 35
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 42
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/26/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/31/2019
Number of Days to Update: 33
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
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: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
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: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
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: 06/10/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

THE PRESERVE ELEMENTARY SCHOOL
NOT REPORTED
CHINO, CA 91708

TARGET PROPERTY COORDINATES

Latitude (North):	33.955089 - 33° 57' 18.32''
Longitude (West):	117.6199 - 117° 37' 11.64''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	442721.8
UTM Y (Meters):	3757155.0
Elevation:	591 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640930 CORONA NORTH, CA
Version Date:	2012
West Map:	5640938 PRADO DAM, CA
Version Date:	2012

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

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

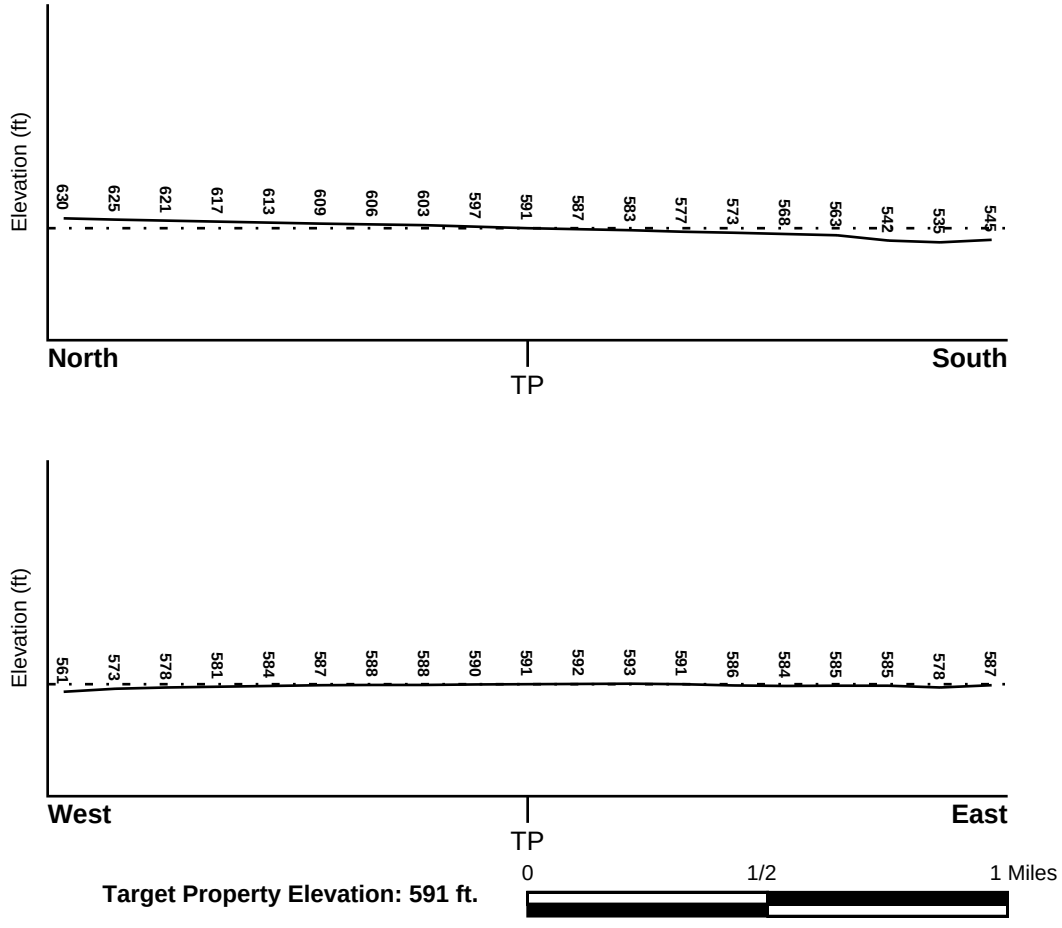
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06071C9375H	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06071C9335H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CORONA NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
7	1/2 - 1 Mile SE	SW
1G	1/2 - 1 Mile SE	SW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

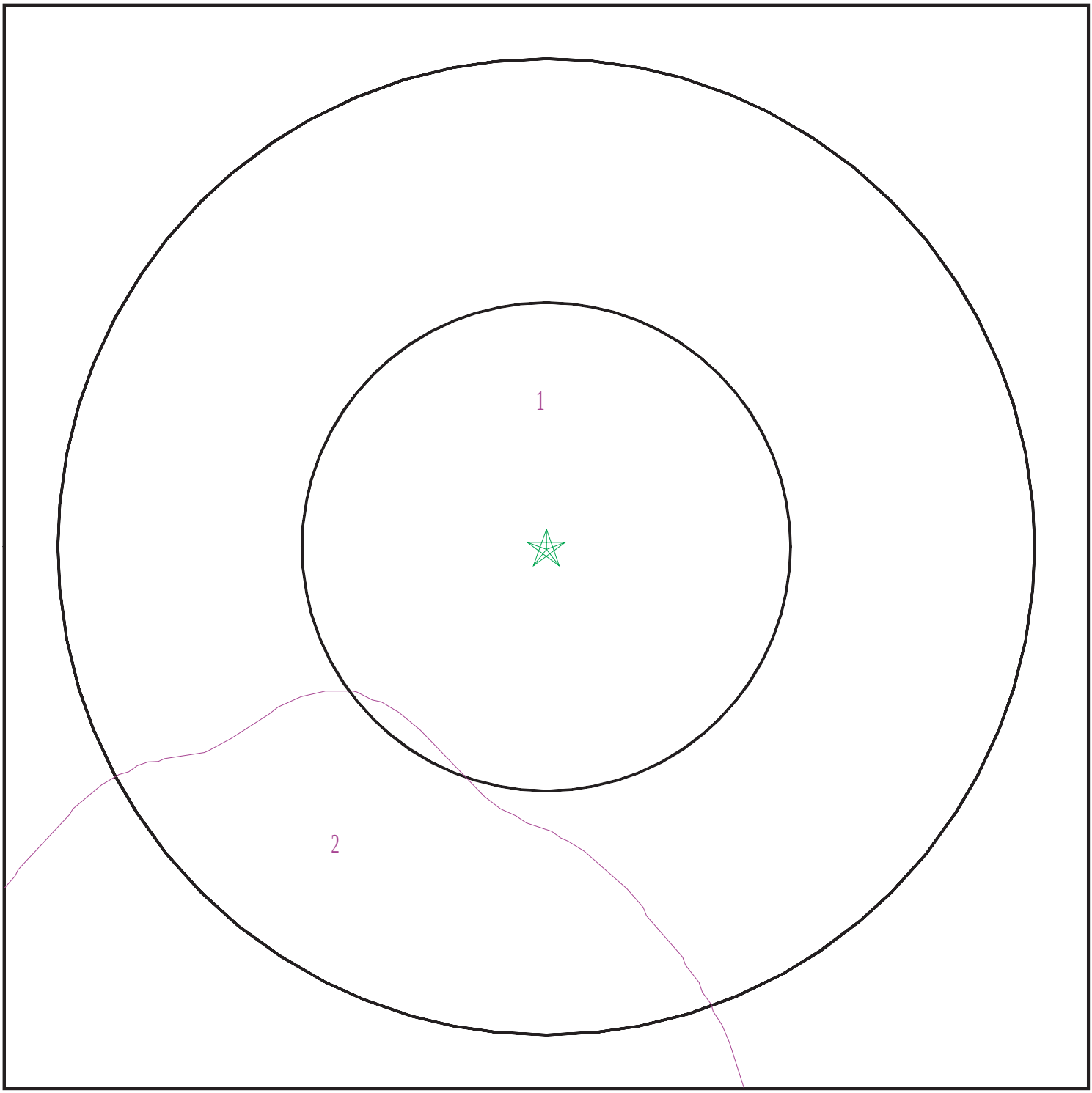
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

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

SSURGO SOIL MAP - 5780643.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	The Preserve Elementary School	CLIENT:	PlaceWorks
ADDRESS:	Not Reported Chino CA 91708	CONTACT:	Denise Clendening
LAT/LONG:	33.955089 / 117.6199	INQUIRY #:	5780643.2s
		DATE:	September 06, 2019 5:59 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: CHINO

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	16 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: CHUALAR

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	11 inches	35 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	35 inches	66 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

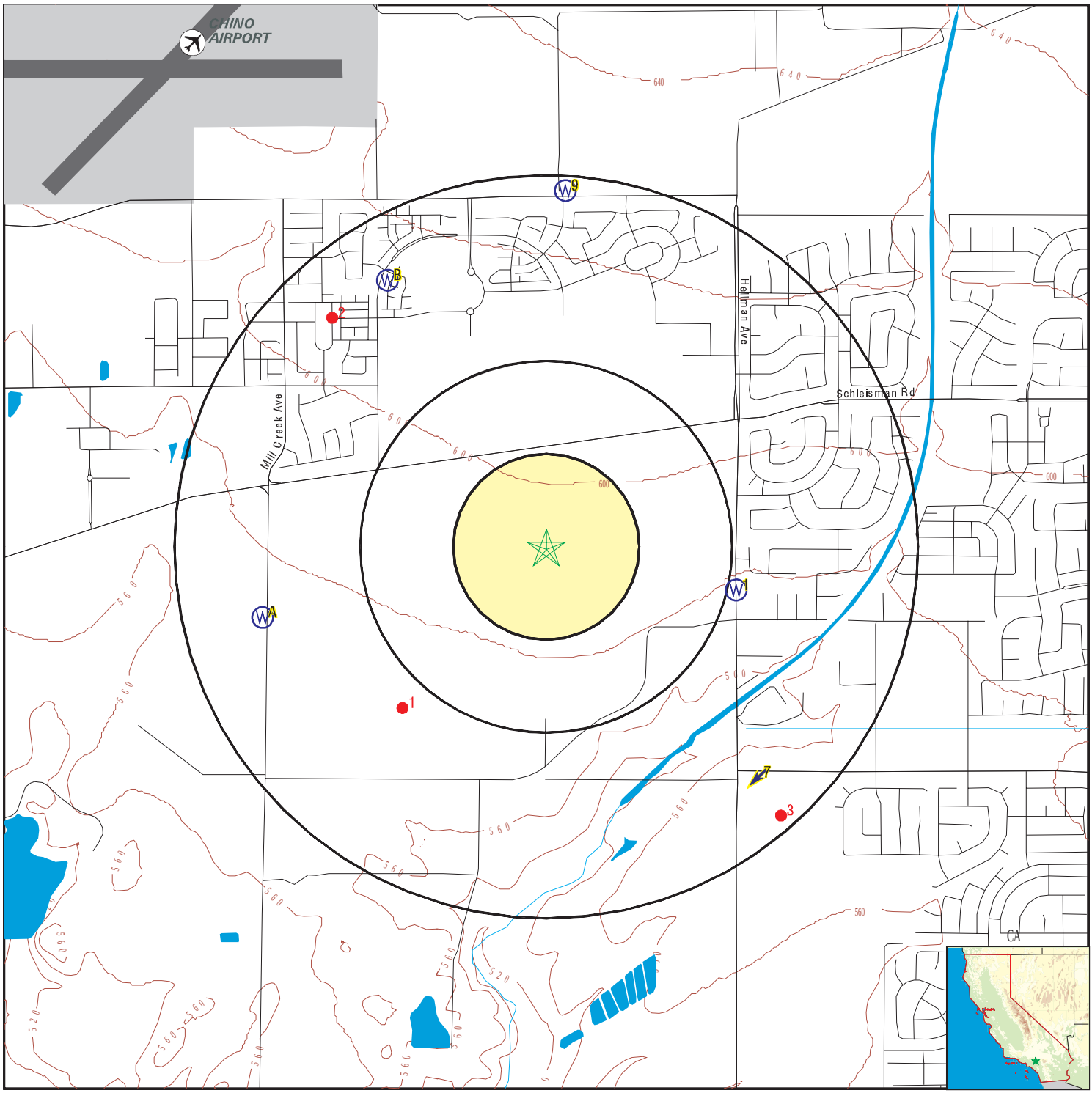
MAP ID	WELL ID	LOCATION FROM TP
1	CADWR8000006208	1/2 - 1 Mile ESE
A2	18919	1/2 - 1 Mile WSW
A3	2610	1/2 - 1 Mile WSW
A4	18920	1/2 - 1 Mile WSW
B5	CADWR8000006244	1/2 - 1 Mile NNW
B6	CADWR8000006243	1/2 - 1 Mile NNW
B8	CADWR8000006245	1/2 - 1 Mile NNW
9	CADWR8000006265	1/2 - 1 Mile North

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG13000006589	1/2 - 1 Mile SW
2	CAOG13000006515	1/2 - 1 Mile NW
3	CAOG13000006406	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 5780643.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	The Preserve Elementary School	CLIENT:	PlaceWorks
ADDRESS:	Not Reported Chino CA 91708	CONTACT:	Denise Clendening
LAT/LONG:	33.955089 / 117.6199	INQUIRY #:	5780643.2s
		DATE:	September 06, 2019 5:58 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000006208**

State Well #:	Not Reported	Station ID:	48079
Well Name:	CHINO-1207982	Well Use:	Observation
Well Type:	Part of a nested/multi-completion well		
Well Depth:	135	Basin Name:	Chino
Well Completion Rpt #:	e023309		

A2
WSW
1/2 - 1 Mile
Lower

CA WELLS **18919**

Seq:	18919	Prim sta c:	3610851-002
Frds no:	3610851002	County:	36
District:	13	User id:	TAN
System no:	3610851	Water type:	G
Source nam:	WELL 01 - STANDBY	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	335708.0	Longitude:	1173756.0
Precision:	3	Status:	SR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610851	System nam:	CALIFORNIA INSTITUTION FOR WOMEN
Hqname:	Not Reported	Address:	P.O. BOX 6000
City:	CORONA	State:	CA
Zip:	91718	Zip ext:	6000
Pop serv:	2400	Connection:	1164
Area serve:	CALIF INST FOR WOMEN FRONTERA		

A3
WSW
1/2 - 1 Mile
Lower

CA WELLS **2610**

Seq:	2610	Prim sta c:	02S/07W-32K04 S
Frds no:	3610851001	County:	36
District:	13	User id:	TAN
System no:	3610851	Water type:	G
Source nam:	WELL 03 - STANDBY	Station ty:	WELL/AMBNT
Latitude:	335708.0	Longitude:	1173756.0
Precision:	2	Status:	SR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610851	System nam:	CALIFORNIA INSTITUTION FOR WOMEN
Hqname:	Not Reported	Address:	P.O. BOX 6000
City:	CORONA	State:	CA
Zip:	91718	Zip ext:	6000
Pop serv:	2400	Connection:	1164

Area serve: CALIF INST FOR WOMEN FRONTERA

A4
WSW
1/2 - 1 Mile
Lower

CA WELLS **18920**

Seq:	18920	Prim sta c:	3610851-003DIST
Frds no:	3610851003	County:	36
District:	13	User id:	TAN
System no:	3610851	Water type:	G
Source nam:	CIM/CIW CONNECTION - TREATED	Station ty:	WELL/AMBNT
Latitude:	335709.0	Longitude:	1173757.0
Precision:	5	Status:	DT
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610851	System nam:	CALIFORNIA INSTITUTION FOR WOMEN
Hqname:	Not Reported	Address:	P.O. BOX 6000
City:	CORONA	State:	CA
Zip:	91718	Zip ext:	6000
Pop serv:	2400	Connection:	1164
Area serve:	CALIF INST FOR WOMEN FRONTERA		

B5
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006244**

State Well #:	Not Reported	Station ID:	46165
Well Name:	WEI1207993	Well Use:	Observation
Well Type:	Part of a nested/multi-completion well		
Well Depth:	321	Basin Name:	Chino
Well Completion Rpt #:	Not Reported		

B6
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006243**

State Well #:	Not Reported	Station ID:	46162
Well Name:	WEI1207979	Well Use:	Observation
Well Type:	Part of a nested/multi-completion well		
Well Depth:	169	Basin Name:	Chino
Well Completion Rpt #:	Not Reported		

7
SE
1/2 - 1 Mile
Lower

AQUIFLOW **66361**

Site ID:	083302926T
Groundwater Flow:	SW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	30’
Date:	04/01/1999

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

B8
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006245**

State Well #:	Not Reported	Station ID:	48076
Well Name:	CHINO-1207979	Well Use:	Observation
Well Type:	Part of a nested/multi-completion well		
Well Depth:	169	Basin Name:	Chino
Well Completion Rpt #:	e023307		

9
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006265**

State Well #:	Not Reported	Station ID:	46159
Well Name:	WEI1206679	Well Use:	Residential
Well Type:	Single Well	Well Depth:	405
Basin Name:	Chino	Well Completion Rpt #:	Not Reported

1G
SE
1/2 - 1 Mile
Lower

AQUIFLOW **66361**

Site ID:	083302926T
Groundwater Flow:	SW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	30’
Date:	04/01/1999

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000006589**

API #:	0407120005	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Ebert and Brandt	Lease Name:	Archer-Cover
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

2
NW
1/2 - 1 Mile

OIL_GAS **CAOG13000006515**

API #:	0407100084	Well #:	1-29
Well Status:	Plugged	Well Type:	DH
Operator Name:	Lee Drilling Co.	Lease Name:	Eureka-Ruben
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

3
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000006406**

API #:	0406500131	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Clifford A. Robinett	Lease Name:	Pinkerton
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91708	2	0

Federal EPA Radon Zone for SAN BERNARDINO County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

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

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 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

HYDROGEOLOGIC INFORMATION

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

GEOLOGIC INFORMATION

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

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

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

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

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

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

STATE RECORDS

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

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

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

Appendix D. Health and Safety Plan

Appendix

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January 2020 | Health and Safety Plan

PROPOSED PRESERVE #2 ELEMENTARY SCHOOL

for Chino Valley Unified School District

Prepared for:

Chino Valley Unified School District
Contact: Gregory J. Stachura, Assistant Superintendent
Facilities, Planning & Operations Division
5130 Riverside Drive
Chino, CA 91710

Project Number:
CVUS-06.0

Prepared by:

PlaceWorks
Contact: Denise Clendening, Ph.D., Associate Principal
2850 Inland Empire Boulevard, Suite B
Ontario, California 91764
909.989.4449
info@placeworks.com
www.placeworks.com

PLACEWORKS

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1. Applicable Standards and Goals

1.1 GENERAL

This Health and Safety Plan (HASP) was prepared by PlaceWorks for Chino Valley Unified School District (the District). This HASP provides an overview of current conditions at the site and describes the safety procedures to be employed and the rationale for their selection. The HASP has been prepared to ensure proper precautions are taken to protect human health and safety while work is being performed at the site. During the development of this HASP, consideration was given to current safety standards as defined by the U.S. Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), and the National Institute of Occupational Safety and Health (NIOSH). This HASP was prepared in accordance with guidelines set forth in Title 8 of the California Code of Regulations, Section 5192 (8 CCR 5192). In addition, this HASP also describes the health effects and standards for known contaminants and the procedures designed to account for the potential for exposure to unknown substances.

1.2 SCOPE AND APPLICABILITY OF THE HEALTH AND SAFETY PLAN

The purpose of this HASP is to define the requirements and designate protocols to be followed by the onsite personnel during the field activities. Site conditions, identified sources, and previous work elements implemented at the site are described in the Workplan. This HASP is applicable to all employees, government employees, contractors, subcontractors, and visitors to the site. This HASP will be used to ensure that adequate site safety practices are used during sample collection activities.

All personnel working at the site must review the HASP and sign an agreement to comply with its requirements and to signify their familiarity with all aspects of the HASP before entering an exclusion zone or a contamination reduction zone. A copy of the HASP Certification is provided in Section 19. All personnel working at the site will be briefed daily by the Site Safety Officer (SSO) and will be required to become familiar with the following sections of this plan:

- Directions to Hospital - Section 17 and Page 3 (map);
- Safety Rules and Personal Hygiene - Appendix A;
- Field Standard Operating Procedures for Use and Decontamination of Personal Protective Equipment (PPE) - Appendix B;
- Heat Stress and Heat Stress Monitoring - Appendix C.

1. Applicable Standards and Goals

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1. Introduction

Figure 1 Hospital Route Map

1. Applicable Standards and Goals

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2. Site Description

2.1 SITE IDENTIFICATION

The site has been identified by the District as the proposed Preserve Elementary School.

2.2 SITE LOCATION

The project site is at the southwest corner of the intersection of East Preserve Loop and Market Street and is associated with the APN 1057-181-350000 in the City of Chino, San Bernardino County, California.

2.3 CURRENT AND HISTORICAL LAND USES

2.3.1 Property Ownership

The Developer currently owns the project site.

2.3.2 Business/Manufacturing Activities

Based on a review of historical documents, agricultural activities occurred from at least 1931 to 1985 and from 1985 to around 2009, the project site was part of a dairy.

2.3.3 Site Climatological Setting

The site is classified as being in climate zone 10 by the California Energy Commission. It is an area that is semi-arid with hot, dry summers and mild winters. The Western Regional Climate Center collected data from Corona from 1908 to 1988. The mean temperature in the area ranges from an average minimum temperature of 48.3° Fahrenheit (°F) in the winter to an average maximum temperature of 78.2°F in the summer. The average annual precipitation is 12.71 inches per year.

2. Site Description

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3. Roles and Responsibilities

A number of roles are required for the safe and efficient operation of a field team. These roles include Project Director, Project Manager, PlaceWorks Health and Safety Manager, Site Manager, SSO and field personnel. A team member may take on more than one role, but the roles must be clearly assigned and must cover all positions required. The personnel assigned to the various roles and their phone numbers are listed below:

Assignment	Name	Phone Number
Project Director	Dr. Denise Clendening	(909) 989-4449
Project Manager	Dr. Denise Clendening	(909) 989-4449
Health & Safety Manager	Mike Watson	(909) 989-4449
Site Manager	Mike Watson	(909) 989-4449
Site Safety Officer	Mike Watson	(909) 989-4449
Field Personnel	Mike Watson	(909) 989-4449

The following guidelines outline assignment of responsibilities of the field team members.

3.1 PROJECT DIRECTOR

The Project Director is responsible for the overall operation of the project, including safety during field activities. Specific responsibilities include organization of all project work assignments, assigning personnel to specific duties, ensuring that the field team follows health and safety procedures approved by the PlaceWorks Health and Safety Manager, and overall quality assurance/quality control of the project.

3.2 PROJECT MANAGER

The Project Manager will be responsible for the day-to-day progress of the project and will hold review and planning meetings as necessary with all technical staff, during which the current progress, problems encountered, and future direction will be discussed.

3.3 PLACEWORKS HEALTH AND SAFETY MANAGER

The PlaceWorks Health and Safety Manager is responsible for the design and, with assistance from the Project Manager on personnel issues, implementation of the health and safety program for this project. This includes developing a site HASP, ensuring that all onsite workers have met the necessary health and safety training requirements and are knowledgeable about the work they will perform, assigning a qualified SSO to the field team, verifying compliance with all applicable safety and health requirements, and updating equipment and procedures based on new information gathered during the course of work.

3.4 SITE MANAGER

The Site Manager is responsible for the operation of the field team. Responsibilities include organization of field activities, compliance with the provisions of the site Workplan, field documentation and record keeping, quality control of field activities, and communication with the site's correspondent. The Site Manager, along with the SSO, must also ensure that subcontractors and outside observers comply with the HASP.

3.5 SITE SAFETY OFFICER

The SSO works closely with the Site Manager to enforce the provisions of the HASP during field activities. The SSO is responsible for implementing the procedures stipulated in the HASP:

- Evaluating and amending the HASP daily to remedy deficiencies and post entry briefings;
- Determining the levels of personal protection based on observations or changing field conditions;
- Controlling site entry and exit;
- Briefing the field team on the health and safety decontamination procedures required for various field activities;
- Monitoring the field team for signs of stress or exposure;
- Initiating emergency procedures, if necessary;
- Verifying that field team members have met the health and safety requirements for field activities;
- Being available to document and respond to any concerns or complaints made by personnel onsite;
- Documenting unsafe work practices or conditions;
- Documenting any accidents or incidents that result in illness or injury to personnel; and
- Issuing stop work notices if site conditions become unsafe, with conference with the Project Director and/or the PlaceWorks Health and Safety Manager.

3.6 FIELD TECHNICIANS

The field technicians are responsible for complying with the HASP, notifying the SSO of hazardous or potentially hazardous conditions, and carrying out specialized tasks during field operations. These tasks include inspecting, calibrating, maintaining, and using field equipment; performing site characterization activities; maintaining decontamination stations; preparing and decontaminating sampling equipment; collecting and preserving samples; and packaging and shipping samples according to proper chain-of-custody procedures.

3.7 FIELD TEAM SIZE

The size of the field team is determined by the nature of the field activities, the characteristics of the site, the safety hazards involved, and the prescribed levels of safety protection. The field team must be large enough to ensure onsite activities are conducted safely, but not so large as to sacrifice efficiency. PlaceWorks personnel shall be present during all phases of the field activities.

3. Roles and Responsibilities

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4. Training and Medical Monitoring Requirements

Staff and subcontractors participating in the fieldwork must have completed a 40-hour health and safety training course (8 CCR 5192(e), 29 CFR 1910.120(e)(2)) as appropriate for their particular tasks and have annual refresher training. Before personnel arrive onsite, each employer will be responsible for certifying that its employees meet the OSHA training requirements.

Each employee will be familiar with the requirements of the site safety and health plan, and will participate in site activity and safety briefings. Medical surveillance is conducted as a routine program, which meets the requirements of 8 CCR 5192 (f); the medical surveillance program is detailed in Appendix D. There will not be any special medical tests or examinations required for staff involved in this project.

All personnel will be trained to operate their respective equipment, including respiratory protection if site conditions exist where respirators are needed. Under no circumstance will untrained or unqualified personnel operate equipment.

4. Training and Medical Monitoring Requirements

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5. Description of Field Work

The following subsections describe tasks to be performed during the field activities and the hazards associated with each task. Some of the protective measures to be implemented during completion of those operations are also identified.

5.1 SOIL SAMPLING ACTIVITIES

5.1.1 Soil Sampling

Soil samples will be collected following protocols described in the Workplan and the following guidance: DTSC's *Interim Guidance for Sampling Agricultural Properties (Third Revision)* (DTSC 2008). Soil will be collected in glass jars.

5.1.2 Sampling Methods and Procedures

Soil sampling will be conducted using a truck-mounted direct push drill rig (Geoprobe™). The Geoprobe™ rig will advance acetate lined sample core barrels sleeves to desired depths using a hydraulic ram or pneumatic hammer system. The inside diameter of the core barrel are typically 1.5 to 2.0 inches. The sample barrel will be retrieved, and the sample interval will be observed, logged and preserved. Soil samples will be preserved by placing Teflon™ sheeting and polyethylene caps leaving no headspace and placing them in sealable plastic bags.

Hazards associated with this task include dermal contact with and accidental ingestion of contaminated soil and inhalation of dusts and vapors (i.e. VOCs), noise and lifting. Some of the protective measures to be implemented during soil sampling include the use of chemical-resistant gloves to reduce the hazards associated with soil sampling. Level D PPE will be used when sampling is initiated, but will be upgraded as necessary. The use of a PID for air monitoring will be used (as necessary) primarily for the detection of VOCs and not organochlorine pesticides or metals, which are not detectable with a PID.

Previous surveys indicate that heavy equipment such as drilling or excavation equipment may produce continuous and impact noise at or above the action level of 85 dBA. All site personnel within 25 feet of operating equipment, or near an operation that creates noise levels high enough to impair conversation, shall wear hearing protective devices (either muffs or plugs). All PlaceWorks personnel are in the PlaceWorks Hearing Conservation Program and have had baseline and, where appropriate, annual audiograms. Personnel will wash their hands with soap and water prior to inserting earplugs to avoid initiating ear infections.

The following guidelines will be followed whenever lifting equipment such as portable generators, coolers filled with samples, any other objects that are of odd size or shape, or that weigh over 40 pounds.

- Get help when lifting heavy loads. Portable generators will only be lifted using a two-person lift.

6. Chemical Hazards

- When moving heavy objects such as drums or containers, use a dolly or other means of assistance.
- Plan the lift. If lifting a heavy object, plan the route and where to place the object. In addition, plan communication signals to be used (i.e., "1, 2, 3, lift," etc.).
- Wear sturdy shoes in good condition that supply traction when performing lifts.
- Keep your back straight and head aligned during the lift and use your legs to lift the load – do not twist or bend from the waist. Keep the load in front of you – do not lift or carry objects from the side.
- Keeping the heavy part of the load close to your body will help maintain your balance.

5.2 SOIL GAS SAMPLING ACTIVITIES

5.2.1 Soil Gas Sampling

Soil gas sampling will be conducted to evaluate if there are potential impacts to the proposed school site from the former dairy that had been at the site. Soil gas sampling will be conducted following protocols described in DTSC's and Los Angeles Regional Water Quality Control Board's (LARWQCB) Advisory – Active Soil Gas Investigations (DTSC and LARWQCB 2015). Soil gas samples will be collected at 5 and 15 feet bgs from eight locations across the site. The soil gas samples will be analyzed for methane by Photovac MicroFID Flame Ionization Detector. The proposed soil gas sampling locations are shown on Figure 5. Should soil gas sampling results reveal elevated levels of methane, DTSC will be contacted to discuss possible additional sampling and step-out options.

5.2.2 Sampling Methods and Procedures

Probes will be installed using standard Geoprobe™ rods. After the rod is driven to the desired depth using a direct push installation rig, the rod will be retracted. The implant will be attached to the ¼-inch outer diameter sample line and lowered into the boring. Use of the implant, attached to relatively small diameter Teflon tubing, allows for the soil gas to be sampled with a minimum volume of line purging. A sand pack will be poured into the boring, followed by one foot of dry granular bentonite and hydrated bentonite slurry and the probe will be allowed to equilibrate for a minimum of two hours prior to sampling.

Prior to sampling, a shut-in test will be conducted to check for leaks in the above-ground sampling system. Soil gas samples will be collected in Tedlar bags through the use of a vacuum box. A sampling rate of approximately 200 mL/min. will be maintained. Samples will be analyzed within one-half-hour of collection.

The soil gas probes will be allowed to equilibrate a minimum of 2 hours before conducting an initial round of sampling for methane. Prior to collecting soil gas samples, a magnehelic gauge will be connected to the probe sampling port to observe naturally existing soil gas pressures or vacuums beneath the site.

Properly calibrated field instruments will be connected to the probe to collect measurements of methane, hydrogen sulfide, oxygen, and carbon dioxide. At probe locations with the highest methane concentrations,

duplicate soil gas samples will be collected in Tedlar bags for off-site confirmation analysis. A final reading of probe pressure/vacuum will be obtained before disconnecting the sample train.

Hazards associated with this task include dermal contact with and accidental ingestion of contaminated soil and inhalation of dusts and vapors (i.e. VOCs), noise and lifting. Some of the protective measures to be implemented during soil sampling include the use of chemical-resistant gloves to reduce the hazards associated with soil sampling. Level D PPE will be used when sampling is initiated but will be upgraded as necessary. The use of the PID for air monitoring will be used (as necessary) primarily for the detection of VOCs and not organochlorine pesticides or metals, which are not detectable with a PID.

Previous surveys indicate that heavy equipment such as drilling, or excavation equipment may produce continuous and impact noise at or above the action level of 85 dBA. All site personnel within 25 feet of operating equipment, or near an operation that creates noise levels high enough to impair conversation, shall wear hearing protective devices (either muffs or plugs). All PlaceWorks personnel are in the PlaceWorks Hearing Conservation Program and have had baseline and, where appropriate, annual audiograms. Personnel will wash their hands with soap and water prior to inserting earplugs to avoid initiating ear infections.

The following guidelines will be followed whenever lifting equipment such as portable generators, coolers filled with samples, any other objects that are of odd size or shape, or that weigh over 40 pounds.

- Get help when lifting heavy loads. Portable generators will only be lifted using a two-person lift.
- When moving heavy objects such as drums or containers, use a dolly or other means of assistance.
- Plan the lift. If lifting a heavy object, plan the route and where to place the object. In addition, plan communication signals to be used (i.e., "1,2,3, lift," etc.).
- Wear sturdy shoes in good condition that supply traction when performing lifts.
- Keep your back straight and head aligned during the lift and use your legs to lift the load – do not twist or bend from the waist. Keep the load in front of you – do not lift or carry objects from the side.

Keeping the heavy part of the load close to your body will help maintain your balance.

6. Chemical Hazards

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6. Chemical Hazards

The presence of chemical hazards at the site has not been confirmed; however, the primary suspected potential constituents of concern associated with the site are metals and organochlorine pesticides. The list of chemicals of concern for the site will be reassessed, as more data becomes available. Brief toxicological profiles of the major constituents of concern are included in Appendix E. Chemical and physical characteristics of these compounds are presented in Table 1.

Potential exposures to these chemicals during field activities include the following:

- Dermal contact with and accidental ingestion of potentially contaminated rinsate and residue during decontamination and sampling; and
- Splash hazards during decontamination.

To protect workers from eye and skin contact, skin absorption, and accidental ingestion of airborne dust, PPE will be used as outlined in Section 8.0.

6.1 HAZARD ASSESSMENT

A literature review was conducted to find ionization potentials (IPs), exposure limits, and concentrations immediately dangerous to life and health (IDLH) for the constituents of concern in environmental media at the site. Exposure limit data are expressed as 8-hour time-weighted averages (TWAs). TWAs promulgated in OSHA regulations are referred to as permissible exposure limits (PELs). The American Conference of Governmental and Industrial Hygienists adopts values for exposure limits that are referred to as threshold limit values.

Exposure limits and the IDLH for the constituents of concern are depicted in Table 1. These data are also used to establish action levels to determine when personnel should upgrade from Level D PPE (i.e., no respiratory protection) to Level C PPE (i.e., full-face air-purifying respirator) and to select the appropriate types of outer garments, gloves, and respirator cartridges. Action levels triggering an upgrade in respiratory protection from Level D to Level C are established by examining exposure limit data and selecting compounds with the lowest PEL.

Site work will be initiated in Level D protection. If unusual odors or symptoms are noted in the field, and engineering controls cannot reduce potential hazards in the breathing zone, the level of protection will be upgraded to Level C. If an upgrade to Level B is required, field activities will stop and the site will be evacuated. If Level B is required, the project will be stopped and the current operating procedures will be

6. Chemical Hazards

assessed by the SSO, the Health and Safety Officer, and the Health and Safety Committee. If it is determined that Level B PPE is required, a subcontractor will be retained to conduct this supervised work.

The potential for injuries inherent in operating heavy equipment presents additional hazards, especially because the operator may be wearing restrictive clothing. The use of heavy equipment creates the potential for contact with active utility lines. These utility lines will be located before intrusive activities are conducted and avoided.

7. Physical Hazards

Potential physical hazards associated with this project include, but are not limited to, working around heavy equipment, electrocution, slippery terrain, noise, weather conditions, and heat stress.

7.1 HEAVY EQUIPMENT

It is important that personnel be aware of all operations that are occurring at a work location as well as physical hazards, such as excavations, trenches, or open pits. Personnel will be aware of the position and movement of equipment by identified operational areas. Special precautions, with regard to layout of equipment traffic patterns associated with other vehicles and buildings, will be carefully considered before beginning field activities. Traffic barriers and/or caution barrier tape will be used to delineate the layout and assist in directing traffic flow to reduce risk of vehicle injury. Employees will be notified during daily meetings as to the established traffic patterns of heavy equipment. Whenever heavy equipment operations are conducted in a congested site area, a traffic coordinator designated by the SSO will direct movement of heavy equipment and pedestrians. For non-essential persons, pedestrian traffic will be prohibited where heavy excavation equipment is in operation. Operators will be tasked to watch for employees that might stray into the restricted entry area; site personnel will be required to wear orange safety vests in the vicinity of heavy equipment operation.

7.2 ELECTROCUTION

Electrical power lines above (overhead) and below ground will be identified at the site before to the start of any activities to prevent electrocution. Minimum safe distance will be established by the SSO in areas of overhead and underground power lines. Subcontracted utility locating services will be used as necessary to locate or confirm the presence of suspected underground utilities at drilling or boring locations.

7.3 SLIPPERY TERRAIN, SLIPS, TRIPS, AND FALLS

Slippery and uneven terrain is common and may increase the risk of injuries. Personnel shall wear the appropriate foot protection while onsite. The SSO will monitor site work surfaces for potential trip and fall hazards. Overhead hazards consist of potential contact with falling objects, rigging equipment, or other items in use at the site. Hard hats are required at all times when at the site.

7.4 NOISE

Noise levels around the equipment may exceed a comfortable range; therefore earplugs or equivalent hearing protection devices are required when equipment is operating.

7.5 HEAT STRESS

The potential for heat stress is high given the warm southern California climate and use of protective garments. Heat stress and heat stress monitoring are discussed in Appendix C.

8. Personal Protective Equipment (PPE)

It is anticipated that Level D PPE will be used, with Level C PPE available on stand-by. Level D PPE will consist of the following equipment:

- Long pants and long-sleeved or short-sleeved shirts;
- Steel-toed work boots;
- Nitrile gloves;
- Hard hats, required when heavy equipment is being used and an overhead hazard exists;
- Safety glasses; and
- Hearing protection during heavy equipment operation.

Damaged PPE will be replaced immediately. Backup equipment will be kept onsite for replacement as necessary.

At a minimum, the following PPE will be discarded and replaced daily:

- Nitrile gloves; and
- Disposable type ear plugs.

New gloves will be used to collect each sample. Procedures for using PPE are given in Appendix B.

The level of protection provided by PPE selection may be upgraded or downgraded by the SSO, in conference with the PlaceWorks Health and Safety Manager and/or the Project Director, based on changes in site conditions. When a significant change occurs, the hazards will be reassessed. Some indicators of the need for reassessment are as follows:

- A change in weather conditions;
- Encountering contaminants other than those previously identified;
- A change in ambient levels of contaminants; and
- A change in work scope that affects the degree of contact with contaminants.

Level C PPE will consist of the following equipment:

8. Personal Protective Equipment (PPE)

- Dual-canister full-face air-purifying respirator (NIOSH approved);
- Organic vapor/P100 combination cartridges;
- Tyvek or Saranex-coated coveralls;
- Steel-toed work boots;
- Double layer nitrile;
- Hard hats, required when heavy equipment is being used; and
- Safety glasses.

Particulate respirator cartridges should be changed out when the wearer has difficulty breathing through the cartridges. Chemical gas or vapor respirator cartridges will be changed out at least daily.

- Proper inspection of PPE includes several levels of inspection depending on specific articles of PPE and its frequency of use. The different levels of inspection are as follows:
- Inspection of equipment received from the factory or distributor;
- Inspection of equipment as it is issued to workers;
- Inspection after use or training;
- Periodic inspection of stored equipment; and
- Periodic inspection when a question arises concerning the appropriateness of the selected equipment or when problems with similar equipment arise.

The primary inspection of PPE in use for activities at the site will occur before use and will be conducted by the user. This ensures that the device or article has been inspected by the user and the user is familiar with its use. The SSO will periodically review field technicians' knowledge and execution of inspection guidelines for the various types of PPE in use at the site.

9. Illumination

Nighttime work activities are not anticipated; however, if nighttime work becomes necessary, illumination at the site will be supplemented in order to ensure safe working conditions. Supplemental lighting will be provided by mobile generator powered units.

9. Illumination

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10. Standard Operating Procedures

The standards regarding Safety Rules and Personal Hygiene and Use and Decontamination of PPE are detailed in Appendices A and B, respectively.

Standard operating procedures (SOPs) for equipment will be presented in the Addendum.

10.1 DAILY SAFETY MEETINGS

The SSO will conduct a daily safety meeting to discuss any changes in safety status, safety violations and administrative actions, work assignments, or modifications of procedures with all onsite field personnel. This safety meeting will be scheduled as the first activity of each day. An alternate person may be designated to conduct the briefing at the discretion of the SSO. All personnel present will sign the Daily Attendance sheet.

10.2 DAILY DEBRIEFING MEETINGS

At the end of each workday at the site, the SSO will discuss with the Site Manager or the Project Director, daily progress, technical problems, administrative resolution of disciplinary actions, and monitoring and analytical findings.

In the event that an emergency occurs or other accident that requires immediate attention, and additional safety meeting may be conducted. Non-routine meetings will address any site changes that have safety implications, which must be immediately addressed before work can continue.

10.3 ADMINISTRATIVE ACTION

Observed violations of safety procedures can result in immediate removal of the violator from the site. The Project Director will take administrative action on each violation. In the event of a violation, the nature of the violation, the past record of the violator, and any extenuating circumstances will be reviewed. The SSO and Health and Safety Officer will provide a recommendation to the Project Director regarding administrative actions such as retraining and reassignment, change in clearance status, or permanent dismissal from the site.

10. Standard Operating Procedures

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11. Confined Spaces

No confined space entry is anticipated at the site. A confined space protocol will be developed for Agency review and approval should conditions at the site change.

11. Confined Spaces

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12. Noise Monitoring

Noise may be monitored using a sound level meter (General Radio model 1565B) in areas where heavy equipment is being utilized. Hearing protection devices (HPDs) will be available onsite at all times. Use of HPDs will be required whenever the noise level equals or exceeds 85 dBA; in general, they will be used whenever equipment is operated. Field technicians will be informed on the proper use, maintenance and storage of HPDs. Engineering controls will be utilized as necessary to ensure that noise levels generated by work do not impact residences adjacent to the site.

12. Noise Monitoring

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13. Description of Site Work Zones

The various work zones may be established at the site before commencing any field activities.

Exclusion Zone

All workers who enter the contaminated work area will wear the correct level of protection. The number of workers in this zone will be kept at a minimum.

Contamination Reduction Zone (CRZ)

Decontamination areas for field personnel and heavy equipment will be designated in the CRZ adjacent to the exclusion zone.

Support Zones

The administrative and break areas shall be located in the support zone outside the CRZ and the overall work zone. The support zone will be located upwind from the overall work zone as permitted by site meteorological conditions.

The work areas and site shall be cleared and secured at the end of each workday.

13. Description of Site Work Zones

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14. Decontamination

Decontamination of PPE will take place in the decontamination area identified onsite. Before starting field activities, a decontamination station will be set with one bucket or tub containing a clean water and soap mixture and another bucket or tub containing clean water. All workers and PPE will be decontaminated to prevent the spread of potentially hazardous substances. All workers will wash their hands, arms, and face after removing PPE and before leaving the site. The volume and concentration of the decontamination fluid will be sufficiently low to allow disposal at the site. The water (and water with detergent) will be poured onto the ground or into a storm drain. Disposable items will be placed in trash bags for disposal along with other wastes removed from the property. Support vehicles are to be left, to the extent practical, outside the exclusion area so that decontamination will not be necessary. Decontamination procedures are outlined in Appendix B.

14. Decontamination

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15. Emergency Supplies

15.1 FIRE EXTINGUISHERS

A fire extinguisher will be available onsite during field activities. Field technicians will be informed on the proper use of fire extinguishers.

15.2 SPILL CONTROL EQUIPMENT

Accidental spills will be contained with sandbags or commercially available absorbent materials especially designed for spill containment or cleanup.

15. Emergency Supplies

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16. Emergency Contact Information

Emergency response shall be addressed according to the requirements of T8 CCR 5192. If it is determined that the emergency could threaten human health or the environment, the incident will be reported to the proper agencies:

Police/Fire	**911**
Department of Toxic Substances Control	(714) 484-5300
5796 Corporate Avenue	
Cypress, California 90630	
Fax: (714) 484-5302	
Department of Health Services	(916) 445-4171
714/744 P Street	
Sacramento, California 95814	
The closest hospital is:	(909) 464-8600
Chino Valley Medical Center	
5451 Walnut Avenue	
Chino, California 91710	

16. Emergency Contact Information

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17. Directions to the Hospital

Directions (See Figure 1): Take Schlelman Road west to Prado Road north(turn right), turn right on Central Avenue and head north to Riverside Drive and turn right and then turn left on 10th Street. Distance is 8.8 miles and estimated travel time is 18 minutes.

17. Directions to the Hospital

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18. Authorized Changes to the Health and Safety Plan

Changes to the HASP are to be documented by completing a Modification of Site Health and Safety Plan form. This completed form must be signed by the Site Safety Officer, the Health and Safety Manager, and the Project Director. A copy of each completed form is to be included with each copy of the HASP and made a part of the project files.

18. Authorized Changes to the Health and Safety Plan

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19. Certification

This HASP has been reviewed and approved by the PlaceWorks Health and Safety Manager. The plan satisfies the requirements of the Occupational Safety and Health Act 1910.120 as implemented by the Health and Safety Committee for hazardous waste site activities.

All PlaceWorks site personnel have read the HASP and are familiar with its provisions.

NAME SIGNATURE DATE

19. Certification

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Appendices

Appendix

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Appendix E. Laboratory Reports

Appendix

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A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761
951-779-0310 FAX 951-779-0344
www.arlaboratories.com office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#'s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 11/12/2020 12:05:38
Laboratory Job No. (Certificate of Analysis No.)	2011-00064
Project Name / No.	PROPOSED PRESERVE #2 ES, CHINO, CA CVUS-06.0
Dates Sampled (from/to)	11/05/20 To 11/05/20
Dates Received (from/to)	11/05/20 To 11/05/20
Dates Reported (from/to)	11/12/20 To 11/12/2020
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Inorganic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Result	Qual	Units	RL	Sample	Analyte	Result	Qual	Units	RL
COMP: B-4, B-5, B-6, B-10@2.5'	4,4'-DDE	**0.0025**		mg/Kg	0.0020	COMP: B-7, B-9, B-12, B-14@0.5	4,4'-DDE	**0.0050**		mg/Kg	0.0020
COMP: B-7, B-9, B-12, B-14@0.5'	Dieldrin	**0.0025**		mg/Kg	0.0020	COMP: B-7, B-9, B-12, B-14@2.5	4,4'-DDE	**0.0041**		mg/Kg	0.0020
COMP: B-7, B-9, B-12, B-14@2.5'	Dieldrin	**0.0030**		mg/Kg	0.0020	COMP: B-20, B-21, B-22@2.5'	Dieldrin	**0.0076**		mg/Kg	0.0020

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CERTIFICATE OF ANALYSIS

2011-00064

PLACEWORKS
DENISE CLENDENING
2850 INLAND EMPIRE BLVD.
SUITE B
ONTARIO, CA 91764

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Date Reported	11/12/20
Date Received	11/05/20
Invoice No.	90182
Cust #	P135
Permit Number	
Customer P.O.	CVUS-06.0

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **B-22@0.5'**					Date & Time Sampled:		11/05/20 @	7:50
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		11/10/20	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	11/10/20	TLB
Sample: 002 **B-16@0.5'**					Date & Time Sampled:		11/05/20 @	8:10
Sample Matrix: **Soil**								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		11/06/20	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	11/06/20	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		11/06/20	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	11/06/20	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	11/06/20	SR
[Surrogate]								
o-Terphenyl (OTP)	80		%REC	EPA 8015M		50-150	11/06/20	SR
Sample: 003 **B-13@0.5'**					Date & Time Sampled:		11/05/20 @	8:21
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		11/10/20	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	11/10/20	TLB
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		11/06/20	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	11/06/20	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		11/06/20	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	11/06/20	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	11/06/20	SR
[Surrogate]								
o-Terphenyl (OTP)	83		%REC	EPA 8015M		50-150	11/06/20	SR
Sample: 004 **B-11@0.5'**					Date & Time Sampled:		11/05/20 @	8:36
Sample Matrix: **Soil**								

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FDA#	2030513
LA City#	10261
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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 **B-11@0.5'**					Date & Time Sampled:		11/05/20 @	8:36
Sample Matrix: **Soil**								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		11/06/20	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	11/06/20	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		11/06/20	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	11/06/20	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	11/06/20	SR
[Surrogate]								
o-Terphenyl (OTP)	76		%REC	EPA 8015M		50-150	11/06/20	SR
Sample: 005 **B-3@0.5'**					Date & Time Sampled:		11/05/20 @	9:03
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		11/10/20	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	11/10/20	TLB
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		11/06/20	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	11/06/20	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		11/06/20	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	11/06/20	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	11/06/20	SR
[Surrogate]								
o-Terphenyl (OTP)	84		%REC	EPA 8015M		50-150	11/06/20	SR
Sample: 006 **B-3DUP@0.5'**					Date & Time Sampled:		11/05/20 @	9:04
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		11/10/20	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	11/10/20	TLB
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		11/06/20	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	11/06/20	SR

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 **B-3DUP@0.5'**					Date & Time Sampled:		11/05/20 @	9:04
Sample Matrix: **Soil**								
.....continued								
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		11/06/20	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	11/06/20	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	11/06/20	SR
[Surrogate]								
o-Terphenyl (OTP)	96		%REC	EPA 8015M		50-150	11/06/20	SR
Sample: 007 **B-15@0.5'**					Date & Time Sampled:		11/05/20 @	11:39
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		11/10/20	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	11/10/20	TLB
Sample: 008 **B-4@0.5'**					Date & Time Sampled:		11/05/20 @	13:46
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		11/10/20	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	11/10/20	TLB
Sample: 009 **B-9@0.5'**					Date & Time Sampled:		11/05/20 @	14:34
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		11/10/20	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	11/10/20	TLB
Sample: 010 **EB110520**					Date & Time Sampled:		11/05/20 @	15:45
Sample Matrix: **Aqueous**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3010A	1.0		11/10/20	TLB
Arsenic	<0.0200		mg/L	EPA 6010B	1.0	0.0200	11/10/20	TLB
[TPH Gasoline (C4-C12)]								
C4-C12	<100		µg/L	LUFT GC/MS	1.0	100	11/06/20	SR
[Extractable Hydrocarbons]								

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 010 **EB110520**					Date & Time Sampled:		11/05/20 @	15:45
Sample Matrix: **Aqueous**								
.....continued								
Extraction	Complete			EPA 3510C	1.0		11/06/20	SR
C13-C22	<0.40		mg/L	EPA 8015M	1.0	0.40	11/06/20	SR
C23-C40	<0.80		mg/L	EPA 8015M	1.0	0.80	11/06/20	SR
[Surrogate]								
o-Terphenyl (OTP)	76		%REC	EPA 8015M		50-150	11/06/20	SR
[Pesticides]								
Sep Funnel LLE	Complete			EPA 3510C	1.0		11/06/20	SR
Aldrin	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
alpha-BHC	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
beta-BHC	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
delta-BHC	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
gamma-BHC	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
Chlordane	<0.50		µg/L	EPA 8081A	1.0	0.50	11/06/20	SR
4,4'-DDD	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
4,4'-DDE	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
4,4'-DDT	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
Dieldrin	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
Endosulfan I	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
Endosulfan II	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
Endosulfan Sulfate	<0.10		µg/L	EPA 8081A	1.0	0.10	11/06/20	SR
Endrin	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
Endrin Aldehyde	<0.10		µg/L	EPA 8081A	1.0	0.10	11/06/20	SR
Endrin Ketone	<0.50		µg/L	EPA 8081A	1.0	0.50	11/06/20	SR
Heptachlor	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
Heptachlor Epoxide	<0.050		µg/L	EPA 8081A	1.0	0.050	11/06/20	SR
Methoxychlor	<0.50		µg/L	EPA 8081A	1.0	0.50	11/06/20	SR
Toxaphene	<0.50		µg/L	EPA 8081A	1.0	0.50	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	123		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	94		%REC	EPA 8081A/8082		50-150	11/06/20	SR

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 011 **COMP: B-8, B-11, B-13, B-16@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	104		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	97		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 012 **COMP: B-8, B-11, B-13, B-16@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR

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Sample: 012 **COMP: B-8, B-11, B-13, B-16@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
.....continued								
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	118		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	105		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 013 **COMP: B-15, B-17, B-18, B-19@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 013 **COMP: B-15, B-17, B-18, B-19@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
.....continued								
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	108		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	104		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 014 **COMP: B-15, B-17, B-18, B-19@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR

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CERTIFICATE OF ANALYSIS

2011-00064

PLACEWORKS
DENISE CLENDENING
2850 INLAND EMPIRE BLVD.
SUITE B
ONTARIO, CA 91764

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Date Reported 11/12/20
Date Received 11/05/20
Invoice No. 90182
Cust # P135
Permit Number
Customer P.O. CVUS-06.0

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 014 **COMP: B-15, B-17, B-18, B-19@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
.....continued								
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	113		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	116		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 015 **COMP: B-1, B-2, B-3@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR

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2011-00064

PLACEWORKS
DENISE CLENDENING
2850 INLAND EMPIRE BLVD.
SUITE B
ONTARIO, CA 91764

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Date Reported	11/12/20
Date Received	11/05/20
Invoice No.	90182
Cust #	P135
Permit Number	
Customer P.O.	CVUS-06.0

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 015 **COMP: B-1, B-2, B-3@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
.....continued								
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	111		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	109		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 016 **COMP: B-1DUP, B-2DUP, B-3DUP@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR

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2011-00064

PLACEWORKS
DENISE CLENDENING
2850 INLAND EMPIRE BLVD.
SUITE B
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Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Date Reported 11/12/20
Date Received 11/05/20
Invoice No. 90182
Cust # P135
Permit Number
Customer P.O. CVUS-06.0

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 016 **COMP: B-1DUP, B-2DUP, B-3DUP@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
.....continued								
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	109		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	113		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 017 **COMP: B-1, B-2, B-3@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR

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2011-00064

PLACEWORKS
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2850 INLAND EMPIRE BLVD.
SUITE B
ONTARIO, CA 91764

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Date Reported	11/12/20
Date Received	11/05/20
Invoice No.	90182
Cust #	P135
Permit Number	
Customer P.O.	CVUS-06.0

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 017 **COMP: B-1, B-2, B-3@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
.....continued								
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	110		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	113		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 018 **COMP: B-4, B-5, B-6, B-10@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR

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2011-00064

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Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Date Reported	11/12/20
Date Received	11/05/20
Invoice No.	90182
Cust #	P135
Permit Number	
Customer P.O.	CVUS-06.0

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 018 **COMP: B-4, B-5, B-6, B-10@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
.....continued								
[Surrogates]								
Tetrachloro-m-xylene	106		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	95		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 019 **COMP: B-4, B-5, B-6, B-10@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	**0.0025**		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	107		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	102		%REC	EPA 8081A/8082		50-150	11/06/20	SR

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ELAP#'s	2789
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CERTIFICATE OF ANALYSIS

2011-00064

PLACEWORKS
DENISE CLENDENING
2850 INLAND EMPIRE BLVD.
SUITE B
ONTARIO, CA 91764

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Date Reported	11/12/20
Date Received	11/05/20
Invoice No.	90182
Cust #	P135
Permit Number	
Customer P.O.	CVUS-06.0

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 020 **COMP: B-7, B-9, B-12, B-14@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	**0.0050**		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	**0.0025**		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	106		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	99		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 021 **COMP: B-7, B-9, B-12, B-14@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR

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CERTIFICATE OF ANALYSIS

2011-00064

PLACEWORKS
DENISE CLENDENING
2850 INLAND EMPIRE BLVD.
SUITE B
ONTARIO, CA 91764

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Date Reported 11/12/20
Date Received 11/05/20
Invoice No. 90182
Cust # P135
Permit Number
Customer P.O. CVUS-06.0

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 021 **COMP: B-7, B-9, B-12, B-14@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
.....continued								
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	**0.0041**		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	**0.0030**		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	108		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	96		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 022 **COMP: B-20, B-21, B-22@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR

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CERTIFICATE OF ANALYSIS

2011-00064

PLACEWORKS
DENISE CLENDENING
2850 INLAND EMPIRE BLVD.
SUITE B
ONTARIO, CA 91764

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Date Reported	11/12/20
Date Received	11/05/20
Invoice No.	90182
Cust #	P135
Permit Number	
Customer P.O.	CVUS-06.0

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 022 **COMP: B-20, B-21, B-22@0.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
.....continued								
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	98		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	92		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Sample: 023 **COMP: B-20, B-21, B-22@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		11/06/20	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR

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CERTIFICATE OF ANALYSIS

2011-00064

PLACEWORKS
DENISE CLENDENING
2850 INLAND EMPIRE BLVD.
SUITE B
ONTARIO, CA 91764

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Date Reported	11/12/20
Date Received	11/05/20
Invoice No.	90182
Cust #	P135
Permit Number	
Customer P.O.	CVUS-06.0

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 023 **COMP: B-20, B-21, B-22@2.5'**					Date & Time Sampled:		11/05/20	
Sample Matrix: **Soil**								
.....continued								
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Dieldrin	**0.0076**		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	11/06/20	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	11/06/20	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	11/06/20	SR
[Surrogates]								
Tetrachloro-m-xylene	118		%REC	EPA 8081A/8082		50-150	11/06/20	SR
Decachlorobiphenyl	91		%REC	EPA 8081A/8082		50-150	11/06/20	SR

Respectfully Submitted: Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

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As regulatory limits change frequently, A & R Laboratories advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.

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QUALITY CONTROL DATA REPORT

2011-00064

PLACEWORKS
ONTARIO, CA 91764

Date Reported	**11/12/2020**
Date Received	**11/05/2020**
Date Sampled	**11/05/2020**
Invoice No.	**90182**
Customer #	**P135**
Customer P.O.	**CVUS-06.0**

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Method # EPA 6010B

QC Reference # 92620 **Date Analyzed:** 11/10/2020 **Technician:** TLB

Samples 001 003 005 006 007 008 009

Results

	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
Arsenic	103	102	0.9	100	99	1.2
Cadmium	101	100	0.4	85	84	0.5
Chromium	100	99	1.4	91	90	1.0
Copper	103	104	0.4	100	99	0.6
Lead	101	101	0.4	80	79	0.5
Nickel	102	101	0.2	85	85	0.0
Selenium	102	101	0.9	74	75	0.5
Zinc	100	100	0.3	80	79	0.2

Control Ranges

LCS %REC	LCS %RPD	SPIKE %RPD
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20
75 - 125	0 - 20	0 - 20

QC Reference # 92637 **Date Analyzed:** 11/10/2020 **Technician:** TLB

Samples 010

Results

	LCS %REC	LCS %DUP	LCS %RPD
Arsenic	110	110	0.5

Control Ranges

LCS %REC	LCS %RPD
75 - 125	0 - 20

Method # EPA 8015M

QC Reference # 92589 **Date Analyzed:** 11/6/2020 **Technician:** SR

Samples 002 003 004 005 006

Results

	LCS %REC	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
C13-C22	102	104	103	1

Control Ranges

LCS %REC	SPIKE %RPD
70 - 130	0 - 25

QC Reference # 92591 **Date Analyzed:** 11/6/2020 **Technician:** SR

Samples 010

Results

	LCS %REC	LCS %DUP	LCS %RPD
C13-C22	101	100	1

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25

Method # EPA 8081A

QC Reference # 92593 **Date Analyzed:** 11/6/2020 **Technician:** SR

Samples 011 012 013 014 015 016 017 018 019 020 021 022 023

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QUALITY CONTROL DATA REPORT

PLACEWORKS

2011-00064

Date Reported 11/12/2020
Date Received 11/05/2020
Date Sampled 11/05/2020

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

Method # EPA 8081A

QC Reference # 92593 **Date Analyzed:** 11/6/2020 **Technician:** SR

Samples 011 012 013 014 015 016 017 018 019 020 021 022 023

Results

	LCS %REC	LCS %DUP	LCS %RPD	Control Ranges LCS %REC	Control Ranges LCS %RPD
4,4'-DDT	89	90	1	50 - 130	0 - 30
Aldrin	102	122	20	50 - 140	0 - 30
Dieldrin	87	85	2	70 - 130	0 - 30
Endrin	93	77	16	70 - 150	0 - 30
gamma-BHC	87	103	16	50 - 150	0 - 30
Heptachlor	89	83	6	50 - 150	0 - 30

QC Reference # 92597 **Date Analyzed:** 11/6/2020 **Technician:** SR

Samples 010

Results

	LCS %REC	LCS %DUP	LCS %RPD	Control Ranges LCS %REC	Control Ranges LCS %RPD
4,4'-DDT	86	91	5	50 - 130	0 - 30
Aldrin	99	85	14	50 - 140	0 - 30
Dieldrin	78	83	5	70 - 130	0 - 30
Endrin	84	89	5	70 - 150	0 - 30
gamma-BHC	78	90	12	50 - 150	0 - 30
Heptachlor	80	84	4	50 - 150	0 - 30

Method # EPA 8081A/8082

QC Reference # 92593 **Date Analyzed:** 11/6/2020 **Technician:** SR

Samples 011 012 013 014 015 016 017 018 019 020 021 022 023

No QC recoveries reported.

QC Reference # 92597 **Date Analyzed:** 11/6/2020 **Technician:** SR

Samples 010

No QC recoveries reported.

Method # LUFT GC/MS

QC Reference # 92586 **Date Analyzed:** 11/6/2020 **Technician:** SR

Samples 002 003 004 005 006

Results

	LCS %REC	LCS %DUP	LCS %RPD	Control Ranges LCS %REC	Control Ranges LCS %RPD
C4-C12	116	111	5	70 - 130	0 - 25

QC Reference # 92600 **Date Analyzed:** 11/6/2020 **Technician:** SR

Samples 010

Results

	LCS %REC	LCS %DUP	LCS %RPD	Control Ranges LCS %REC	Control Ranges LCS %RPD
C4-C12	116	114	2	70 - 130	0 - 25

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QUALITY CONTROL DATA REPORT

2011-00064

PLACEWORKS

Date Reported 11/12/2020
Date Received 11/05/2020
Date Sampled 11/05/2020

Project: PROPOSED PRESERVE #2 ES, CHINO, CA

No method blank results were above reporting limit

Respectfully Submitted: Ken Zheng

Ken Zheng - President

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.

ARL

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CHAIN OF CUSTODY

A & R Work Order #: 2011-64

Client Name: PLACEWORKS
E-mail: DCLENDENING@PLACEWORKS.COM
Address: 2850 INLAND EMPIRE BL #B ONTARIO CA 91764
Report Attention: Denise | Phone #: 909 989 4449 | Fax: #: | Sampled By: M. Watson
Project No./ Name: CVJS-06.0 | Project Site: PROPOSED PRESERVE #2 ES CHINO, CA

☒ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☒ Normal

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	6010B Arsenic	Remarks (C=Composite, X=Hexavalent Chromium)
1	B-22@0.5'	11/5/20	0750	Soil	ice	1 acetate sleeve					C					X	See B-2@0.5'
	B-22@2.5'		0752								C						See B-2@2.5'
	B-19@0.5'		0801								C						See B-15@0.5'
	B-19@2.5'		0803								C						See B-15@2.5'
2	B-16@0.5'		0810								C		X				See B-8@0.5'
	B-16@2.5'		0812								C						See B-8@2.5'
3	B-13@0.5'		0821								C		X			X	See B-8@0.5'
	B-13@2.5'		0823								C						See B-8@2.5'
4	B-11@0.5'		0836								C		X				See B-8@0.5'
	B-11@2.5'		0838								C						See B-8@2.5'
	B-8@0.5'		0842								C						(11) B-8, B-11, B-13, B-16@0.5'
	B-8@2.5'		0844								C						(12) B-8, B-11, B-13, B-16@2.5'
	B-6@0.5'		0854								C						See B-4@0.5'
	B-6@2.5'		0856								C						See B-4@2.5'
5	B-3@0.5'	↓	0903	↓	↓	↓					C		X			X	See B-1@0.5'

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	PLACEWORKS	11/5/20	1710	[signature]	A&R	11/5/20	1710
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste; SL=Sludge; SS=Soil/Sediment; AR=Air; PP=Pure Product

Preservative Code: IC=Ice; HC=HCl; HN=HNO_3; SH=NaOH; ST=$Na_2S_2O_3$; HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag; G=Glass Container; ST= Steel Tube; B= Brass Tube; P=Plastic Bottle; V=VOA Vial; E= EnCore

ARL

A & R Laboratories
1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #: 2011-64

Client Name: PLACEWORKS
E-mail: DCLENDENING@PLACEWORKS.COM
Address: 2850 INLAND EMPIRE BL #B ONTARIO CA 91764
Report Attention: Denise | Phone #: 9099894449 | Fax: # | Sampled By: M. Watson
Project No./ Name: CVS-06.0 | Project Site: PROPOSED PRESERVE #2 ES CHINO, CA

☒ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☒ Normal

Analyses Requested

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	6010B Arsenic					Remarks (C=composite X=discrete)
6	B-3 Dup @0.5'	11/5/20	0904	Soil	ice	1 sleeve 5 tubes					C		X			X					See B-1 Dup @0.5'
	B-3 @2.5'		0905								C										See B-1 @2.5'
7	B-15 @0.5'		1139								C					X				(3)	B-15, B-17, B-18, B-1 @0.5'
	B-15 @2.5'		1141								C									(4)	B-15, B-17, B-18, B-1 @2.5'
	B-18 @0.5'		1146								C										See B-15 @0.5'
	B-18 @2.5'		1148								C										See B-15 @2.5'
	B-21 @0.5'		1157								C										See B-20 @0.5'
	B-21 @2.5'		1159								C										See B-20 @2.5'
	B-10 @0.5'		1208								C										See B-4 @0.5'
	B-10 @2.5'		1210								C										See B-4 @2.5'
	B-5 @0.5'		1222								C										See B-4 @0.5'
	B-5 @2.5'		1224								C										See B-4 @2.5'
	B-2 @0.5'		1231								C										See B-1 @0.5'
	B-2 Dup @0.5'		1232								C										See B-1 Dup @0.5'
	B-2 @2.5'		1233								C										See B-1 @2.5'

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	PLACEWORKS	11/5/20	1710	[signature]	A&R	11/5/20	1710
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste; SL=Sludge; SS=Soil/Sediment; AR=Air; PP=Pure Product

Preservative Code: IC=Ice; HC=HCl; HN=HNO_3; SH=NaOH; ST=$Na_2S_2O_3$; HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag; G=Glass Container; ST= Steel Tube; B= Brass Tube; P=Plastic Bottle; V=VOA Vial; E= EnCore

ARL

A & R Laboratories
1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #: 2011-64

Client Name: PLACEWORKS
E-mail: DCLENDENING@PLACEWORKS.COM
Address: 2850 INLAND EMPIRE BL #B ONTARIO CA 91764
Report Attention: Denise | Phone #: 909 579 9161 | Fax: #: ~~Fax: #~~ | Sampled By: M.W ATES
Project No./ Name: CVJ5-06.5 | Project Site: PROPOSED PRESERVE #2 ES CHINO, CA

☒ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☒ Normal

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	6010B Arsenic					Remarks (C=Composite, X=discrete)
	B-1@0.5'	11/5/20	1335	Soil	ice	1 acetate sleeve					C									15	B-1, B-2, B-3 @ 0.5'
	B-1DUP@0.5'		1336								C									16	B-1DUP, B-2DUP, B-3DUP @ 0.5'
	B-1@2.5'		1337								C									17	B-1, B-2, B-3 @ 2.5'
8	B-4@0.5'		1346								C					X				18	B-4, B-5, B-6, B-15 @ 0.5'
	B-4@2.5'		1348								C									19	B-4, B-5, B-6, B-15 @ 2.5'
	B-7@0.5'		1357								C									20	B-7, B-9, B-12, B-14 @ 0.5'
	B-7@2.5'		1359								C									21	B-7, B-9, B-12, B-14 @ 2.5'
9	B-9@0.5'		1434								C					X					See B-7@0.5'
	B-9@2.5'		1436								C										See B-7@2.5'
	B-12@0.5'		1446								C										See B-7@0.5'
	B-12@2.5'		1448								C										See B-7@2.5'
	B-14@0.5'		1454								C										See B-7@0.5'
	B-14@2.5'		1456								C										See B-7@2.5'
	B-17@0.5'		1515								C										See B-15@0.5'
	B-17@2.5'	↓	1517	↓	↓	↓					C										See B-15@2.5'

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	PLACEWORKS	11/5/20	1710	[signature]	A&R	11/5/20	1710
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste; SL=Sludge; SS=Soil/Sediment; AR=Air; PP=Pure Product

Preservative Code: IC=Ice; HC=HCl; HN=HNO_3; SH=NaOH; ST=$Na_2S_2O_3$; HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag; G=Glass Container; ST= Steel Tube; B= Brass Tube; P=Plastic Bottle; V=VOA Vial; E= EnCore

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E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #: 2011-64

Client Name: PLACEWORKS
E-mail: DCLEMENTS@PLACEWORKS.COM
Address: 2850 INLAND EMPIRE BL #B ONTARIO CA 91764
Report Attention: Denise | Phone #: 909 9894400 | Fax. #: | Sampled By: M. Watson
Project No./ Name: CVUS-06.0 | Project Site: PROPOSED PRESERVE #2 ES CHINO, CA

☒ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☒ Normal

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	6010B Arsenic						Remarks
	B-20@0.5'	11/5/20	1526	soil	ice	1 acetate sleeve					C									(22)		B-20, B-21, B-22 @ 0.5'
	B-20@2.5'	↓	1528	↓	↓	↓					C									(23)		B-20, B-21, B-22 @ 2.5'
10	EB110520	↓	1545	aqueous	ice HCl/HNO3	1 amber 3 VOAs, 1 plastic					X		X			X						

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	PLACEWORKS	11/5/20	1710	[signature]	A+R	11/5/20	1710
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste; SL=Sludge; SS=Soil/Sediment; AR=Air; PP=Pure Product

Preservative Code: IC=Ice; HC=HCl; HN=HNO3; SH=NaOH; ST=Na2S2O3; HS=H2SO4

* Sample Container Types: T=Tedlar Air Bag; G=Glass Container; ST= Steel Tube; B= Brass Tube; P=Plastic Bottle; V=VOA Vial; E= EnCore

Sample Acceptance Checklist

CLIENT: Placeworks WORK ORDER NUMBER: 2011·000064

Temperature:(Criteria:0.0°C-6.0°C)

Sample Temp.(w/CF) °C(w/CF) 2.7°C

☐ Sample(s) outside temprature criteria: PM contacted by :

☐ Sample(s) outside temprature criteria, but received on ice/chilled on same day of sampling.

☐ Sample(s) received at ambient temprature; placed on ice for transport by courier.

Ambient Temprature ☐ Air ☐ Filter

CUSTODY SEAL:

Cooler	☐	Present and Intact	☐	Present and Not Intact	✓	Not Present
Sample(s)	☐	Present and Intact	☐	Present and Not Intact	✓	Not Present

Sample Condition:	Yes	No	N/A
Was a COC received	✓		
Were sample IDs present?	✓		
Were sampling dates & times present?	✓		
Was a relingquished signature present?	✓		
Were the tests required clearly indicated?	✓		
Were all samples sealed in plastic bags?	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of samples sent for tests indicated?	✓		
Was there headspace in VOA vials?		✓	
Were the containers labeled with correct preservatives?	✓		

Explanations/Comments:

Notification:

For discrepancies, how was the Project Manager notified? Verbal

Verbal: PM Initials: _____ Data/Time: _____

Email: Send to: _____ Data/Time: _____

Project Manager's response:

Completed By: _____ Date: 11·5·20

A R Laboratories
1650 S. Grove Ave., Suite C, Ontario, CA 91761
PH: 951-779-0310 Fax: 951-779-0344
Email: office@arlaboratories.com

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-43118-1
Client Project/Site: Proposed Preserve #2 ES

For:
PlaceWorks, Inc.
2850 Inland Empire Blvd
Ste B
Ontario, California 91764

Attn: Denise Clendening

Authorized for release by:
11/13/2020 3:57:57 PM

Lori Thompson, Project Manager I
(714)895-5494
Lori.Thompson@eurofinset.com

Table of Contents

Definitions/Glossary

Client: PlaceWorks, Inc.
Job ID: 570-43118-1
Project/Site: Proposed Preserve #2 ES

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: PlaceWorks, Inc.
Project/Site: Proposed Preserve #2 ES

Job ID: 570-43118-1

Job ID: 570-43118-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-43118-1

Comments
No additional comments.

Receipt
The samples were received on 11/6/2020 11:55 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

Air Toxics
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: PlaceWorks, Inc.
Project/Site: Proposed Preserve #2 ES

Job ID: 570-43118-1

Client Sample ID: SG-4-5'

Lab Sample ID: 570-43118-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Carbon dioxide	1.5		0.50		% v/v	1		D1946	Total/NA
Nitrogen	79		0.50		% v/v	1		D1946	Total/NA
Oxygen + Argon	19		0.50		% v/v	1		D1946	Total/NA
Carbon dioxide	1.5		0.50		% v/v	1		Fixed Gas Norm	Total/NA
Nitrogen	79		0.50		% v/v	1		Fixed Gas Norm	Total/NA
Oxygen + Argon	19		0.50		% v/v	1		Fixed Gas Norm	Total/NA

Client Sample ID: SG-8-5'

Lab Sample ID: 570-43118-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Carbon dioxide	2.1		0.50		% v/v	1		D1946	Total/NA
Nitrogen	77		0.50		% v/v	1		D1946	Total/NA
Oxygen + Argon	21		0.50		% v/v	1		D1946	Total/NA
Carbon dioxide	2.1		0.50		% v/v	1		Fixed Gas Norm	Total/NA
Nitrogen	77		0.50		% v/v	1		Fixed Gas Norm	Total/NA
Oxygen + Argon	21		0.50		% v/v	1		Fixed Gas Norm	Total/NA

This Detection Summary does not include radiochemical test results.

Method: D1946 - Fixed Gases in Air (GC)

Client Sample ID: SG-4-5'
Lab Sample ID: 570-43118-1
Date Collected: 11/06/20 08:40
Matrix: Air
Date Received: 11/06/20 11:55
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**1.5**		0.50		% v/v			11/06/20 20:47	1
Carbon monoxide	ND		0.50		% v/v			11/06/20 20:47	1
Methane	ND		0.50		% v/v			11/06/20 20:47	1
Nitrogen	**79**		0.50		% v/v			11/06/20 20:47	1
Oxygen + Argon	**19**		0.50		% v/v			11/06/20 20:47	1

Client Sample ID: SG-8-5'
Lab Sample ID: 570-43118-2
Date Collected: 11/06/20 09:00
Matrix: Air
Date Received: 11/06/20 11:55
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**2.1**		0.50		% v/v			11/06/20 21:12	1
Carbon monoxide	ND		0.50		% v/v			11/06/20 21:12	1
Methane	ND		0.50		% v/v			11/06/20 21:12	1
Nitrogen	**77**		0.50		% v/v			11/06/20 21:12	1
Oxygen + Argon	**21**		0.50		% v/v			11/06/20 21:12	1

Method: Fixed Gas Norm - Fixed Gases from Stationary Sources

Client Sample ID: SG-4-5'
Lab Sample ID: 570-43118-1
Date Collected: 11/06/20 08:40
Matrix: Air
Date Received: 11/06/20 11:55
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**1.5**		0.50		% v/v			11/06/20 20:47	1
Carbon monoxide	ND		0.50		% v/v			11/06/20 20:47	1
Methane	ND		0.50		% v/v			11/06/20 20:47	1
Nitrogen	**79**		0.50		% v/v			11/06/20 20:47	1
Oxygen + Argon	**19**		0.50		% v/v			11/06/20 20:47	1

Client Sample ID: SG-8-5'
Lab Sample ID: 570-43118-2
Date Collected: 11/06/20 09:00
Matrix: Air
Date Received: 11/06/20 11:55
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**2.1**		0.50		% v/v			11/06/20 21:12	1
Carbon monoxide	ND		0.50		% v/v			11/06/20 21:12	1
Methane	ND		0.50		% v/v			11/06/20 21:12	1
Nitrogen	**77**		0.50		% v/v			11/06/20 21:12	1
Oxygen + Argon	**21**		0.50		% v/v			11/06/20 21:12	1

Client: PlaceWorks, Inc.
Job ID: 570-43118-1
Project/Site: Proposed Preserve #2 ES

Method: D1946 - Fixed Gases in Air (GC)

Lab Sample ID: MB 570-107686/4
Matrix: Air
Analysis Batch: 107686

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		0.50		% v/v			11/06/20 11:55	1
Carbon monoxide	ND		0.50		% v/v			11/06/20 11:55	1
Methane	ND		0.50		% v/v			11/06/20 11:55	1
Nitrogen	ND		0.50		% v/v			11/06/20 11:55	1
Oxygen + Argon	ND		0.50		% v/v			11/06/20 11:55	1

Lab Sample ID: LCS 570-107686/2
Matrix: Air
Analysis Batch: 107686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Carbon dioxide			15.0	15.07		% v/v		101	80 - 120		
Carbon monoxide			7.03	7.127		% v/v		101	80 - 120		
Methane			4.54	4.235		% v/v		93	80 - 120		
Nitrogen			69.5	64.88		% v/v		93	80 - 120		
Oxygen + Argon			4.00	3.941		% v/v		99	80 - 120		

Lab Sample ID: LCSD 570-107686/3
Matrix: Air
Analysis Batch: 107686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon dioxide			15.0	15.51		% v/v		104	80 - 120	3	20
Carbon monoxide			7.03	7.208		% v/v		103	80 - 120	1	20
Methane			4.54	4.249		% v/v		94	80 - 120	0	20
Nitrogen			69.5	64.85		% v/v		93	80 - 120	0	20
Oxygen + Argon			4.00	3.923		% v/v		98	80 - 120	0	20

QC Association Summary

Client: PlaceWorks, Inc.
Job ID: 570-43118-1
Project/Site: Proposed Preserve #2 ES

Air - GC VOA

Analysis Batch: 107686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43118-1	SG-4-5'	Total/NA	Air	D1946	
570-43118-2	SG-8-5'	Total/NA	Air	D1946	
MB 570-107686/4	Method Blank	Total/NA	Air	D1946	
LCS 570-107686/2	Lab Control Sample	Total/NA	Air	D1946	
LCSD 570-107686/3	Lab Control Sample Dup	Total/NA	Air	D1946	

Analysis Batch: 107909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43118-1	SG-4-5'	Total/NA	Air	Fixed Gas Norm	
570-43118-2	SG-8-5'	Total/NA	Air	Fixed Gas Norm	

Lab Chronicle

Client: PlaceWorks, Inc.
Job ID: 570-43118-1
Project/Site: Proposed Preserve #2 ES

Client Sample ID: SG-4-5'
Lab Sample ID: 570-43118-1
Date Collected: 11/06/20 08:40
Matrix: Air
Date Received: 11/06/20 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1946		1	1 mL	1 mL	107686	11/06/20 20:47	S8WJ	ECL 2
	Instrument ID: GC65									
Total/NA	Analysis	Fixed Gas Norm		1			107909	11/06/20 20:47	S8WJ	ECL 2
	Instrument ID: GC65									

Client Sample ID: SG-8-5'
Lab Sample ID: 570-43118-2
Date Collected: 11/06/20 09:00
Matrix: Air
Date Received: 11/06/20 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1946		1	1 mL	1 mL	107686	11/06/20 21:12	S8WJ	ECL 2
	Instrument ID: GC65									
Total/NA	Analysis	Fixed Gas Norm		1			107909	11/06/20 21:12	S8WJ	ECL 2
	Instrument ID: GC65									

Laboratory References:
ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: PlaceWorks, Inc.
Job ID: 570-43118-1
Project/Site: Proposed Preserve #2 ES

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Method Summary

Client: PlaceWorks, Inc.
Project/Site: Proposed Preserve #2 ES

Job ID: 570-43118-1

Method	Method Description	Protocol	Laboratory
D1946	Fixed Gases in Air (GC)	ASTM	ECL 2
Fixed Gas Norm	Fixed Gases from Stationary Sources	EPA	ECL 2

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: PlaceWorks, Inc.
Project/Site: Proposed Preserve #2 ES

Job ID: 570-43118-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-43118-1	SG-4-5'	Air	11/06/20 08:40	11/06/20 11:55	
570-43118-2	SG-8-5'	Air	11/06/20 09:00	11/06/20 11:55	

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-43118 Chain of Custody

Loc: 570

CHAIN-OF-CUSTODY 43118

Date 11/6/2020

Page 1 of 1

LABORATORY CLIENT: PLACEWORKS

ADDRESS: 2850 INLAND EMPIRE BLVD. SUITE B

CITY: ONTARIO STATE: CA ZIP: 91764

TEL: 9099894449 E-MAIL: DCLENDENING@PLACEWORKS.COM

CLIENT PROJECT NAME / NO.: PROPOSED PRESERVE #2 ES

P.O. NO.: CVUS-06.0

PROJECT CONTACT: DENISE CLENDENING

LAB CONTACT OR QUOTE NO:

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT) M. WATSON

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

PLEASE USE 24 HR HOLDING TIME

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	ASTM D1946 FIXED GASES			
1	SG-4-5'	11/6/20	0840	SOIL GAS	1	X																	X			
2	SG-8-5'	11	0900	11	1	X																	X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 11/6/20	Time: 1037
Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 11/6/20	Time: 1155
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2016-04-01-Revision

Login Sample Receipt Checklist

Client: PlaceWorks, Inc.

Job Number: 570-43118-1

Login Number: 43118
List Number: 1
Creator: Cruise, Noel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix F. QAPP

Appendix

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January 2020 | Quality Assurance Project Plan

PROPOSED PRESERVE #2 ELEMENTARY SCHOOL

for Chino Valley Unified School District

Prepared for:

Chino Valley Unified School District
Contact: Gregory J. Stachura, Assistant Superintendent
Facilities, Planning & Operations Division
5130 Riverside Drive
Chino, CA 91710

Project Number:
CVUS-06.0

Prepared by:

PlaceWorks
Contact: Denise Clendening, Ph.D., Associate Principal
2850 Inland Empire Boulevard, Suite B
Ontario, California 91764
909.989.4449
info@placeworks.com
www.placeworks.com

PLACEWORKS

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1. Introduction

This Quality Assurance Project Plan (QAPP) has been prepared by PlaceWorks on behalf of Chino Valley Unified School District (District) to address quality assurance (QA) and quality control (QC) policies associated with the collection of environmental data at the proposed Preserve Elementary School (site), in Chino, California. This QAPP presents the plan for sampling and analysis as part of the investigation. U.S. Environmental Protection Agency (USEPA) policy requires a QAPP for all environmental data collection projects mandated or supported by the USEPA through regulations or other formalized means (USEPA 1998a). The purpose of this QAPP is to identify the methods to be employed to establish technical accuracy, precision, and validity of data that is generated at the site.

This QAPP contains general and specific details regarding field sampling, laboratory, and analytical procedures that apply to investigation activities. It provides field and laboratory personnel with instructions regarding activities to be performed before, during, and after field investigations. These instructions will insure data collected for use in project decisions will be of the type and quality required to meet the data quality objectives (DQOs) for the project.

Guidelines followed in the preparation of this QAPP are described in EPA Requirements for Quality Assurance Plans for Environmental Data Operations, External Review Draft Final, EPA QA/R-5 (USEPA 1998a) and EPA Guidance for Quality Assurance Project Plans, EPA QA/G-5 (USEPA 1998b). Other documents that have been referenced in this plan include, Guidance for the Data Quality Objectives Process, EPA QA/G-4 (USEPA 1994a) and Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (USEPA SW-846, Third Edition, 1996).

1.1 PROJECT HISTORY AND OBJECTIVES

The project site is the 12-acres located at the southwest corner of Preserve Loop and Market Street, Chino, California. The project site is located within Section 33 of Township 2 South, Range 7 West of the San Bernardino Base Line and Meridian.

Past usage of the site was assessed through an interview, historical aerial photographs, topographic maps and databases. Copies of historical information reviewed are included in Appendix B. Based on a review of historical information; the project site never had structures. The property was used for agriculture, potentially row crops, from at least 1966 to 1985 and from 1985 to around 2009, the project site was part of a dairy. Since 2009 the site has been left vacant and undeveloped. Currently, there is construction equipment staged on the project site for the developments in the surrounding area.

1. Introduction

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2. Project Description

This section presents information concerning the proposed sampling activities, selected analytical parameters, data quality objectives, and the resulting project decisions.

2.1 ANALYTICAL SCOPE

The planned sampling effort includes the sampling and analysis of shallow soils for a list of potential hazardous substances. Soil samples will be collected on the project area in accordance with the protocols detailed in the DTSC's PEA Guidance Manual (DTSC 1999).

The appropriate analyses selected for this field program, and the rationale for selection of these parameters, will be further provided in the Workplan. A&R Laboratories, Inc. (ARL), located in Ontario, California, will perform testing of soil samples.

2.2 DATA USE

Decisions to be made based upon the planned sampling and analysis effort will be determined by the data compiled from the sampling and analysis program. It is intended that data collected through implementation of this QAPP will satisfy federal, state, and local data quality requirements. These data may be used to characterize the nature and extent of contamination, support risk assessment, support the evaluation of corrective/remedial action, and/or assist in determination of additional actions.

The presence of environmental contaminants will be determined by the extent of valid detectable concentrations of the constituents discussed above. If the data associated with any detections of chemicals of potential concern (COPCs) are confirmed, the data will be used to assess risk using accepted methods for determining potential carcinogenic and non-carcinogenic exposures. If results from the risk screening evaluations indicate no risks of exposure with respect to the use of the property, then the District will use the data to support No Further Action consent from DTSC, and the proposed development may continue without modification. If the evaluation indicates unacceptable risks of exposure, then the data can be used by District for further consideration of action.

2. Site Description

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3. Project Organization

This section provides a description of the organizational structure and responsibilities of the individual positions for this project. This description defines the lines of communication and identifies key personnel assigned to various activities for the project.

3.1 CHINO VALLEY UNIFIED SCHOOL DISTRICT

Mr. Gregory J. Stachura is the designated contact person for the District. Mr. Stachura will be responsible for the directional decisions, as well as budget control, and for work conducted at the school site. Mr. Stachura, or designee, may perform document review of related work plans, reports, and drawings for activities associated with this project.

3.2 PLACEWORKS

The investigation contractor has responsibility for assigned phases of investigation and reporting. Together the management team (Project Manager and Field Manager) will be responsible for the technical planning and implementation of the work. The QA staff has responsibility for effective planning, verification and management of QA activities associated with the assigned project.

Dr. Denise Clendening is the PlaceWorks Project Manager and will serve as the primary contact with the DTSC and the District. Her responsibilities include strategy development, budget control, document control, project management, risk assessment and document review.

Mr. Michael Watson of PlaceWorks is a Professional Geologist in the State of California. Mr. Watson's responsibilities include field activities and preparation of required reports and data validation including quality assurance/quality control.

3.3 LABORATORY

The primary offsite laboratory is anticipated to be ARL in Ontario, California. ARL will perform analytical testing for soil samples collected for this investigation. The laboratory's project manager will report to the PlaceWorks Field Manager on all aspects of the sample analysis. In addition, the PlaceWorks QA Manager will be advised of any matters related to data quality during the course of the investigation.

3. Project Organization

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4. Data Quality Objectives

DQOs have been specified for each data collection activity. The project work will be conducted and documented so that the data collected are of sufficient quality for their intended use (USEPA 1998). DQOs specify the data type, quality, quantity, and uses needed to make decisions, and are the basis for designing data collection activities. The DQOs have been used to design the data collection activities that will be presented in the Workplan. The DQOs for the project are discussed in the following sections.

4.1 DATA QUALITY OBJECTIVES

The project DQOs developed specifically for the planned sampling and analysis program have been determined based on USEPA's seven-step DQO process (USEPA 1994a). The Project Manager will evaluate the DQOs to determine if the quantitative and qualitative needs of the sampling and analysis program have been met. The project definition associated with each step of the DQO process can be summarized as follows:

State the problem: The purpose of the sampling program is to determine if the proposed site is acceptable for the development of a new educational facility. Although the proposed development of the site will result in asphalt or concrete surfacing over the majority of the site, exposed soils will exist in landscaped areas where students could come into contact. Previous investigations have not performed a complete evaluation of potential contamination based on historical use of the property.

Identify the Decision: The data obtained from the sampling and testing activities will be used to evaluate if releases of hazardous substances from historical uses have occurred at the site. The investigative results will be further evaluated to determine to what extent any contamination identified will result in risk of exposure. The results will be compiled and used to assess the relative threat associated with any contamination identified, through a baseline risk assessment. Based on the calculation of human health and ecological risks for the site, the suitability of the property for its intended development will be determined.

Identify Inputs to the Decision: Inputs to the decision will include results of analytical testing of soil gas samples, and shallow soils from selected locations on the site. Each of these matrices will be tested for the specified analytes discussed in Section II.

Define the Study Boundaries: The boundaries of the field sampling and analysis program will be the perimeter of the site as discussed above and detailed in the Workplan.

Develop a Decision Rule: Decisions will be based upon laboratory results for the target constituents presented in Tables 1 through 3 for each respective matrix tested. If no valid detectable concentrations of target compounds are reported for the given samples, then a decision will be made that the site is fully characterized with respect to the compounds tested and no further sampling will be required as part of this

investigation. If target constituents are detected in the samples tested, then the data will be compiled for use in calculating the human health and ecological risk of exposure. The results of the risk evaluation will be used by the District to support a No Further Action consent from DTSC, if the data indicate risk is acceptable.

Specify Limits on Decision Error: The results of all analytical testing will be subjected to data validation specified in Section 7.3. Data are determined to be valid if the specified DQOs for precision, accuracy, representativeness, comparability and completeness are achieved. The results of any detected target constituents will be considered in evaluating the need for additional sampling of soil gas and/or site soil, and assessing the necessity for reducing any risks posed by the potential contamination.

Optimize the Design: The field sampling program has been designed to provide the type and quantity of data needed to satisfy each of the aforementioned objectives. A separate Workplan provides the specifications for the data collection activities, including the numbers of samples, respective locations, and sampling techniques. The quality of the data will be assessed through the procedures further described in this QAPP.

4.2 PRECISION, ACCURACY, REPRESENTATIVENESS, COMPARABILITY AND COMPLETENESS

The basis for assessing the elements of data quality is discussed in the following subsections. In the absence of laboratory specific precision and accuracy limits, the QC limits listed in this section must be met.

4.2.1 Precision

Precision measures the reproducibility of repetitive measurements. It is strictly defined as the degree of mutual agreement among independent measurements as the result of repeated application of the sample process under similar conditions.

Analytical precision is a measurement of the variability associated with duplicate or replicate analyses of the same sample in the laboratory. Precision is assessed by analysis of the results between laboratory quality control sample pairs. These include laboratory control sample (LCS) and LCS duplicates, matrix spike (MS) and MS duplicates (MSD), or sample duplicates. If the recoveries of analytes in the specified control samples pairs are comparable within established control limits, then precision criteria are satisfied.

Total precision is a measurement of the variability associated with the entire sampling and analytical process. It is determined by analysis of duplicate (two) or replicate (more than two) field samples, and measures variability introduced by both the laboratory and field operations. Field duplicate samples are analyzed to assess combined field and analytical precision.

Duplicate results are assessed using the relative percent difference (RPD) between duplicate measurements. If the RPD for laboratory quality control samples exceeds 30 percent, data will be qualified as described in the applicable validation procedure. If the RPD between primary and duplicate field samples exceeds 100 percent for soil or soil gas, data will be qualified as described in the applicable validation procedure.

The RPD is calculated as the difference between the two sample results (absolute value) divided by the average of the two sample results. The equation can be expressed as follows:

$$\%RPD = 200 \times ((x2-x1) / (x2+x1))$$

4.2.2 Accuracy

Accuracy is a statistical measurement of correctness of a measured value, and includes components of random error (variability due to imprecision) and systematic error. It reflects the total error associated with a measurement. A measurement is accurate when the value reported does not differ from the true value of a known concentration, spike, or standard.

Accuracy of laboratory analyses will be assessed by LCS recoveries, surrogate standard recoveries, MS spike recoveries, and initial and continuing calibrations of instruments. Laboratory accuracy is expressed as the percent recovery (%R). Accuracy limits are statistically generated by the laboratory or required by specified USEPA methods. If the percent recovery is determined to be outside of acceptance criteria, data will be qualified as described in the applicable validation procedure. The calculation of percent recovery is provided below:

$$\% R = 100 \times (Xs-X)/T$$

where Xs is the measured value of the spiked sample, X is the measured value of the unspiked sample, and T is the true value of the spike solution added.

Accuracy is also assessed by the analysis of laboratory and field blanks. Assessment of blank results provides information regarding potential bias imparted to analytical results from measurement systems and/or field conditions. Field accuracy will be assessed through the analysis of field equipment blanks. Analysis of field blanks documents bias associated with the sampling process, field contamination, sample preservation, and sample handling. The DQO for field equipment and trip blanks is that all values are less than the reporting limit for each target constituent. If contamination is reported in the field equipment or trip blanks, data will be qualified as described in the applicable validation procedure.

4.2.3 Representativeness

Representativeness is the degree to which data accurately and precisely represent selected characteristics of the media sampled. Representativeness of data collection is addressed by careful preparation of sampling and analysis programs. This QAPP addresses representativeness by specifying sufficient and proper numbers and locations of samples; incorporating appropriate sampling methodologies; specifying proper sample collection techniques and decontamination procedures; selecting appropriate laboratory methods to prepare and analyze soil and soil gas; and establishing proper field and laboratory QA/QC procedures.

4.2.4 Completeness

Completeness is the measure of valid data obtained compared to the amount that was expected under ideal conditions. The number of valid results divided by the number of possible results, expressed as a percentage,

4. Data Quality Objectives

determines the completeness of the data set. The objective for completeness is to obtain at least 90 percent of the planned data to support evaluation and assessment efforts. Specifically, for background samples, a completeness requirement of 100 percent is mandated. The formula for calculation of completeness is presented, as follows:

$$\% \text{ Completeness} = 100 \times \frac{\text{number of valid results}}{\text{number of expected results}}$$

4.2.5 Comparability

Comparability is an expression of confidence with which one data set can be compared to another. The objective of comparability is to ensure that data developed during the investigation are comparable with data previously collected (i.e., methods of analysis are comparable), and that the methods used adequately address applicable criteria or standards established by the USEPA and California Department of Health Services (CADHS). This QAPP addresses comparability by specifying laboratory methods that are consistent with the current standards of practice as approved by the USEPA and CADHS. Field methods will be discussed in the Workplan.

5. Quality Control Elements

This section presents QC requirements relevant to analysis of environmental samples that will be followed during all project analytical activities. The purpose of the QC program is to produce data of known quality that satisfy the project objectives and that meet or exceed the requirements of the standard methods of analysis. This program provides a mechanism for ongoing control and evaluation of data quality measurements through the use of QC materials.

5.1 QUALITY CONTROL ELEMENTS

The chemical data to be collected for this effort will be used to determine that the extent of contamination is properly evaluated. As such, it is critical that the chemical data is documented to be of the highest confidence and quality. Consequently, strict QA/QC procedures will be adhered to. These procedures include:

- Adherence to protocols for field sampling and decontamination procedures;
- Collection and laboratory analysis of appropriate field and equipment blanks to monitor for contamination of samples in the field or the laboratory;
- Collection and laboratory analysis of site specific matrix spike, matrix spike duplicate, and blind duplicate samples to evaluate precision and accuracy; and
- Attainment of completeness goals.

5.1.1 Equipment Decontamination

Non-dedicated equipment will be decontaminated before and after each sample is collected. The equipment will be washed in a non-phosphate detergent and potable water, rinsed in potable water, and then double rinsed in distilled water. A description of the specific methodologies to be followed to maximize proper decontamination of non-dedicated sampling equipment is provided in the Workplan.

5.1.2 Standards

Standards used for calibration or to prepare samples will be certified by National Institute of Standards and Technology (NIST), USEPA, or other equivalent source. The standards will be current. The expiration date will be established by the manufacturer, or based on chemical stability, the possibility of contamination, and environmental and storage conditions. Standards will be labeled with expiration dates, and will reference primary standard sources if applicable. Expired standards will be discarded.

5. Quality Control Elements

5.1.3 Supplies

All supplies will be inspected prior to their use in the field or laboratory. The descriptions for sample collection and analysis contained in the methods will be used as a guideline for establishing the acceptance criteria for supplies. A current inventory and appropriate storage system for these materials will assure their integrity prior to use.

5.1.4 Holding Time Compliance

Sample preparation and analysis will be completed within the required method holding times (Table 1). Holding time begins at the time of sample collection. If holding times are exceeded, and the analyses are performed, the associated results will be qualified as described in the applicable validation procedure. The following definitions of extraction and analysis compliance are used to assess holding times:

- Preparation or extraction completion - completion of the sample preparation process as described in the applicable method, prior to any necessary extract cleanup.
- Analysis completion - completion of all analytical runs, including dilutions, second-column confirmations, and any required re-analyses.

5.1.5 Preventative Maintenance

The Field Manager for PlaceWorks is responsible for documenting the maintenance of all field equipment prescribed in the manufacturer's specifications. Scheduled maintenance will be performed by trained personnel. Procedures specific to the calibration, use and maintenance of field equipment are presented in the Workplan. The analytical laboratory is responsible for all analytical equipment calibration and maintenance as described in their laboratory QA Plan. Subcontractors are responsible for maintenance of all equipment needed to carry out subcontracted duties

5.2 QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) SAMPLES

The purpose of this QA/QC program is to produce data of known quality that satisfy the project objectives and that meet or exceed the requirements of the standard methods of analysis. This program provides a mechanism for ongoing control and evaluation of data quality measurements through the use of QC materials. Quality assurance and quality control samples will be collected as part of the overall QA/QC program.

5.2.1 Laboratory Reagent Blanks

A laboratory reagent blank is de-ionized, distilled water that is extracted by the laboratory and analyzed as a sample. Analysis of the reagent blank indicates potential sources of contamination from laboratory procedures (e.g., contaminated reagents, improperly cleaned laboratory equipment, or persistent contamination due to presence of certain compounds in the ambient laboratory air). A reagent blank will be analyzed at least once each day for each method utilized by the laboratory for that day.

5.2.2 Field Equipment Blanks

A field equipment blank is a sample that is prepared in the field by pouring de-ionized, distilled water into cleaned sampling equipment. The water is then collected and analyzed as a sample. Field equipment blanks are typically blind (given a fictitious name so that the laboratory will not recognize it as a blank). The field equipment blank gives an indication of contamination from field procedures (e.g., improperly cleaned sampling equipment, cross-contamination). Field equipment blanks will be collected at a minimum frequency of at least one per day when non-dedicated equipment is utilized. The field equipment blanks should be analyzed using the same analyses requested for the associated primary samples collected.

5.2.3 Trip Blanks

The primary purpose of trip blanks is to detect potential additional sources of contamination that could potentially influence contaminant values reported in field samples, both quantitatively and qualitatively. Trip blanks serve as a mechanism of control for sample bottle preparation, blank water quality and sample handling. They are generally submitted to the laboratory for analysis of VOCs. If VOCs are detected with the PID at or above 1 part per million, trip blanks will included as part of the sampling program.

5.2.4 Matrix Spike Samples

Matrix spikes are performed by the analytical laboratory to evaluate the efficiency of the sample extraction and analysis procedures, and are necessary because matrix interference (interferences from non-target compound in the sample matrix, water or soil) may have a widely varying impact on the accuracy and precision of the extraction analysis. The matrix spike is prepared by the addition of known quantities of target compounds to a sample. The sample is extracted and analyzed. The results of the analysis are compared with the known additions and a matrix spike recovery is calculated giving an evaluation of the accuracy of the extraction and analysis procedures. Matrix spike recoveries are reviewed to check that they are within acceptable range. However, the acceptable ranges vary widely with both sample matrix and analytical method. Matrix spikes and matrix spike duplicates will be analyzed by the laboratory at a frequency of at least one per twenty, or 5 percent of the primary field samples. Typically, matrix spikes are performed in duplicate in order to evaluate the precision of the procedures as well as the accuracy. Precision objectives (represented by agreement between matrix spike and matrix spike duplicate recoveries) and accuracy objectives (represented by matrix spike recovery results) are based on statistically generated limits established annually by the analytical laboratory. It is important to note that these objectives are to be viewed as goals, not as criteria. If matrix bias is suspected, the associated data will be qualified and the direction of the bias indicated in the data validation report.

5.2.5 Field Duplicate Samples

Field duplicate samples will be collected and analyzed to evaluate sampling and analytical precision. Field duplicates are collected and analyzed in the same manner as the primary samples. Agreement between duplicate sample results will indicate good sampling and analytical precision. Specific locations will be designated for collection of field duplicates prior to the start of field activities. Field duplicates will be collected at a frequency of 10 percent of the primary samples collected. The duplicate sample will be

5. Quality Control Elements

analyzed for all laboratory analyses requested for the primary sample collected. The precision goal for field duplicates analyses will be plus or minus 50 percent relative percent difference for aqueous samples and plus or minus 100 percent relative percent difference for soil, or air samples. Results for samples exceeding these goals will be qualified as estimated. Professional judgement will be used to determine if all samples in the associated batch will be qualified as well.

5.2.6 Performance Evaluation Samples

Double blind performance evaluation (PE) samples may be submitted to the analytical laboratory during any site investigation. These samples may be of water or soil matrix, and are used to assess the accuracy of analytical procedures employed for a given sample set. PE samples will be used if questionable data quality is suspected as determined during laboratory audits or data validation.

If used, double blind PE samples will be prepared by Environmental Resources Standards, or similar supplier, in similar sample containers as the project field samples and shipped from the field to the laboratory for analysis.

Double blind PE samples will be prepared using NIST and/or A2LA certified standards. The project-specific PE samples will contain known concentrations of the analytes of interest. Laboratory results will be evaluated against the original Certificates of Analyses for precision and accuracy. PE samples may be submitted for analysis as part of the laboratory pre-qualification process, or as part of a given sampling event. Results will be reported to the laboratory and presented with associated field sample results

6. Sampling Procedures

The defensibility of data is dependent on the use of well defined, accepted sampling procedures. This section describes the sampling and handling procedures that will be followed for each sampling event.

6.1 SAMPLING PROCEDURES

Collection of high integrity environmental samples is important to the quality of chemical data to be generated. To this end, detailed field procedures have been developed to guide sample collections during each phase of the field investigation. These procedures are contained in the Workplan.

6.1.1 Sample Containers, Preservation and Holding Times

Table 1 lists the required sample containers, preservatives, and recommended maximum holding times for samples. Sample containers provided by the laboratory will be new, and purchased commercially from I-Chem, Eagle Pitcher, or other equivalent validated sources.

6.1.2 Sample Handling and Storage

In the field, each sample container will be marked with the sampling location number, and date and time of sample collection. All sample containers will be wiped with paper towels and securely packed, in a cooler on ice, in preparation for delivery to the laboratory.

Upon receipt of the samples, the laboratory will immediately notify the Field Manager if conditions or problems are identified which require immediate resolution. Such conditions include container breakage, missing or improper chain-of-custody, exceeded holding times, improper preservation, missing or illegible sample labeling, or temperature excursions.

6.1.3 Sample Custody

For each sample that is submitted to the laboratory for analysis, an entry will be made on a chain-of-custody form supplied by the laboratory. The information to be recorded includes the sampling date and time, sample identification number, matrix type, requested analyses and methods, preservatives, and the sampler's name. Sampling team members will maintain custody of the samples until they are relinquished to laboratory personnel or a professional courier service. The chain-of-custody form will accompany the samples from the time of collection until received by the laboratory. Each party in possession of the samples (except the professional courier service) will sign the chain-of-custody form signifying receipt.

The chain-of-custody form will be placed in a plastic bag and shipped with samples inside the cooler. After the samples, ice, and chain-of-custody forms are packed in the coolers, the cooler will be appropriately sealed before it is relinquished to the courier. A copy of the original completed form will be provided by the

6. Sampling Procedures

laboratory along with the report of results. Upon receipt, the laboratory will inspect the condition of the sample containers and report the information on chain-of-custody or similar form.

7. Analytical Procedures

The analytical methods used for this project are primarily USEPA approved methods and are listed in Tables 1 through 3. Specific analytical method procedures are detailed in the laboratory QA Plan and standard operating procedures (SOPs) of the selected laboratory. These documents may be reviewed by PlaceWorks quality assurance staff during laboratory audits to ensure that project specifications are met. Laboratory audits are discussed in Section 9.2.

7.1 INTERNAL STANDARDS

Internal standards are measured amounts of method-specified compounds added after preparation, or extraction, of a sample. Internal standards are added to samples, controls, and blanks in accordance with method requirements to identify column injection losses, purging losses, or viscosity effects.

Acceptance limits for internal standard recoveries are set forth in the applicable method. If the internal standard recovery falls outside of acceptance criteria, the instrument will be checked for malfunction and reanalysis of the sample will be performed after any problems are resolved.

7.2 RETENTION TIME WINDOWS

Retention time windows will be established as described in SW-846 Method 8000A for applicable analyses of organic compounds. Retention time windows are used for qualitative identification of analytes and are calculated based on multiple, replicated analyses of a respective standard.

Retention times will be checked on a daily basis. Acceptance criteria for retention time windows are established in the referenced method. If the retention time falls outside the respective window, actions will be taken to correct the problem. The instrument must be re-calibrated after any retention time window failure and the affected samples must be reanalyzed.

7.3 METHOD DETECTION LIMITS

The method detection limit (MDL) is the minimum concentration of an analyte, or compound, that can be measured and reported with 99 percent confidence that the concentration is greater than zero. MDLs are established for each method, matrix and analyte, and for each instrument used to analyze project samples. MDLs are derived using the procedures described in 40CFR 136 Appendix B (USEPA 1990a). USEPA requires that MDLs be established on an annual basis. MDLs must be less than applicable reporting limits for each target analyte presented in Tables 2 and 3.

7.4 INSTRUMENT CALIBRATION

Analytical instruments will be calibrated in accordance with the procedures specified in the applicable method. All analytes that are reported shall be present in the initial and continuing calibrations, and these calibrations must meet the acceptance criteria specified in the reference method. Records of standard preparation and instrument calibration will be maintained. Records shall unambiguously trace the preparation of standards and their use in calibration and quantitation of sample results. Calibration records will be traceable to standard materials as described in Section 5.2.

At the onset of analysis, instrument calibrations will be checked using all of the analytes of interest. This applies equally to multi-response analytes. At a minimum, calibration criteria will satisfy method requirements. Analyte concentrations can be determined with either calibration curves or response factors, as defined in the method. Guidance provided in SW-846 should be considered to determine appropriate evaluation procedures.

8. Data Reporting

This section presents reporting requirements relevant to the data produced during all project analytical activities.

8.1 FIELD DATA

Data measured by field instruments will be recorded in field notebooks, laptops, and/or on required field forms. Units of measure for field analyses are identified on the field forms. The field data will be reviewed by the Project or Field Manager to evaluate completeness of the field records and appropriateness of the field methods employed. All field records will be retained in the project files.

8.2 LABORATORY DATA

Analytical data will contain the necessary sample results and quality control data to evaluate the data quality objectives defined for the project. Documentation requirements for laboratory data are defined in USEPA Region IX Laboratory Documentation Requirements for Data Validation (USEPA 1990b). The laboratory reports will be consistent with USEPA Level III documentation and include the following data and summary forms:

- Narrative, cross-reference, chain-of-custody, and method references;
- Analytical results;
- Surrogate recoveries (as applicable);
- Calibration summary;
- Blank results;
- Laboratory control sample recoveries;
- Duplicate sample results or duplicate spike recoveries;
- Sample spike recoveries;
- Instrument tuning summary;
- Associated raw data; and
- Magnetic tape or equivalent upon request.

8. Data Reporting

Data validation criteria are derived from the USEPA Contract Laboratory Program National Functional Guidelines for Organic and Inorganic Data Review (USEPA 1994b and 1994c). The Functional Guidelines provide specific data validation criteria that can be applied to data generated for this investigation.

The laboratory data will be reviewed for compliance with the applicable method and the quality of the data reported. The following summarizes the areas of data validation.

- Holding Times;
- Calibrations;
- Blanks;
- Laboratory Control Samples;
- Matrix Spike/Matrix Spike Duplicates;
- Surrogates/Internal Standards (as applicable);
- Field Quality Control Samples; and
- Compound Identification and Quantification.

The application of data validation criteria is a function of project-specific DQOs. The QA/QC Manager will determine if the data quality objectives for the analytical data have been met. Results of the data validation review will be documented and summarized in the investigation.

8.3 PROCEDURES FOR DATA VALIDATION

Procedures for performing data validation for the types of analyses to be performed for this investigation are documented in the National Functional Guidelines. Data validation will be documented in a manner consistent with the functional guidelines. The results of the data validation will be included in a Data Validation Memorandum. This documentation will be maintained by PlaceWorks in the project files.

8.3.1 Data Qualifiers

The data validation procedures were designed to review each data set and identify biases inherent to the data and determine its usefulness. Data validation flags are applied to those sample results that fall outside of specified tolerance limits, and, therefore, did not meet the program's quality assurance objectives described in Section 3.2. Data validation flags to be used for this project are defined in the National Functional Guidelines. Data validation flags will indicate if results are considered quantitative, estimated, or rejected. Only rejected data are considered unusable for decision-making purposes; however, other qualified data may require further verification.

8. Data Reporting

8.3.2 Project Data Management

Data management is the process of organizing, maintaining, and applying a variety of data to provide a useful and coherent view of the site conditions. Data collected for this investigation include sample collection data, field measurement data, onsite laboratory analytical data, and offsite laboratory analytical data. The data management resources include staff to review and maintain project data, a computerized data management system, and a documentation filing system. The project database management system has the capability to maintain the relationship between sampling locations, samples collected, and filed and laboratory analytical results.

8. Data Reporting

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9. Performance and System Audits

Audit programs are established and directed by PlaceWorks quality assurance staff to ensure that field and laboratory activities are performed in compliance with project controlling documents. This section describes responsibilities, requirements and methods for scheduling, conducting and documenting audits of field and laboratory activities.

9.1 FIELD AUDITS

Field audits focus on appropriateness of personnel assignments and expertise, availability of field equipment, adherence to project controlling documents for sample collection and identification, sample handling and transport, use of QA samples, chain of custody procedures, equipment decontamination and documentation. Field audits are not required, but may be performed in the event significant discrepancies are identified that warrant evaluation of field practices.

9.2 LABORATORY AUDITS

Laboratory audits include reviews of sample handling procedures, internal sample tracking, SOPs, analytical data documentation, QA/QC protocols, and data reporting. Any selected mobile or offsite laboratory will be licensed by the State of California as a certified testing laboratory. If no previous audit has been conducted by PlaceWorks, a scheduled audit will be conducted by the quality assurance staff during the course of this project to ensure the integrity of sample handling and processing by the laboratory.

9.3 DATA AUDITS

Data audits will be performed on analytical results received from the laboratories. These audits will be accomplished through the process of data validation as described in Section 8.3, or may involve a more detailed review of laboratory analytical results. Data audits require the laboratory to submit complete raw data files to PlaceWorks for validation. PlaceWorks chemists will perform a review of the data consistent with the level of effort described in the National Functional Guidelines (USEPA 1994 b and c). This level of validation consists of a detailed review of sample data, including verification of data calculations for calibration and quality control samples to assess if these data are consistent with method requirements. Upon request, the laboratory will make available all supporting documentation in a timely fashion.

9.4 REPORTS TO MANAGEMENT AND RESPONSIBILITIES

Upon completion of any audit, the auditor will submit to the Project Manager and Field Manager a report or memorandum describing any problems or deficiencies identified during the audit. It is the responsibility of the Project Manager to determine if the deviations will result in any adverse effect on the project conclusions. If it is determined that corrective action is necessary, procedures outlined in Section 9.5 will be followed.

9.5 CORRECTIVE ACTION

Corrective actions will be initiated whenever data quality indicators suggest that DQOs have not been met. Corrective actions will begin with identifying the source of the problem. Potential problem sources include failure to adhere to method procedures, improper data reduction, equipment malfunctions, or systemic contamination. The first level of responsibility for identifying the problems and initiating corrective action lies with the analyst/field personnel. The second level of responsibility lies with any person reviewing the data. Corrective actions may include more intensive staff training, equipment repair followed by a more intensive preventive maintenance program, or removal of the source of systemic contamination. Once resolved, the corrective action procedure will be fully documented, and if DQOs were not met, the samples in question must be recollected and/or reanalyzed utilizing a properly functioning system (USEPA 1998).

10. References

1. USEPA, 1990a. Code of Federal Regulations, Title 40 – Protection of Environment. Office of the Federal Register. U.S. National Archives and Records Administration, Washington, D.C.
2. USEPA, 1990b. Region 9 Laboratory Documentation Requirements for Data Validation. Document Control No. 9QA-07-90. U.S. Environmental Protection Agency, Region 9. San Francisco, California.
3. USEPA, 1994a. Guidance for the Data Quality Objectives Process. EPA QA/G-4. Office of Research and Development U.S. Environmental Protection Agency. Washington, D.C.
4. USEPA, 1994b. Contract Laboratory Program National Functional Guidelines for Inorganic Data Review. EPA540/R-94/013. Office of Emergency and Remedial Response. Washington, D.C.
5. USEPA, 1994c. Contract Laboratory Program National Functional Guidelines for Organic Data Review. EPA540/R-94/012. Office of Emergency and Remedial Response. Washington, D.C.
6. USEPA, 1996. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods. SW-846, Third Edition, Office of Solid Waste and Emergency Response U.S. Environmental Protection Agency. Washington, D.C.
7. USEPA, 1998a. EPA Guidance for Quality Assurance Project Plans. EPA QA/G-5. Office of Research and Development U.S. Environmental Protection Agency. Washington, D.C.
8. USEPA, 1998b. EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations, External Review Draft Final. EPA QA/R-5. Washington, D.C.
9. United States Geological Survey (USGS), 2015. 7.5' Topographic Series, Nuevo, California Quadrangle Map, scale 1:24,000.

10. References

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Appendix G. Boring Log

Appendix

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PLACEWORKS

TEST BORING REPORT - Geoprobe

BORING NO. SG-1

Page 1 of 1

PROJECT	Preserve Elementary School #2	**PW FILE NO.**	CVUS-06.0
LOCATION	Southwest Corner of Market Street and East Preserve Loop, Chino, California		
CLIENT	Chino Valley Unified School District	**FIELD REP.**	M. Watson
CONTRACTOR	Interphase Environmental	**DATE STARTED**	11/5/2020
DRILLER	Marco	**DATE FINISHED**	11/5/2020

Elevation ft. **Datum** **Boring Location**

Boring Equipment		Rig Make & Model			Backfill Material	Drilling Notes: SG-1 probes were installed inside boring at 5 and 15 feet bgs.
Type	Geoprobe 6600	☑ Truck	☐ Tripod		Hydrated Bentonite Chips, Monterey Sand	
Ouside Dia. (in.)	2.25	☐ ATV	☑ Geoprobe			
Length Sleeve (in)	48	☐ Track	☐ Air Track			
Type Sleeve	Acetate	☐ Dolly	☐ other			

Depth (ft.)	Sample Depth (ft.)	Sample No.	Recovery (in.)	Soil Vapor Well Diagram	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Time
0					CL	**CLAY** stiff pale red (2.5YR 6/2) CLAY, no staining, no odor, medium plasticity, moist	
			45				
5							
			46				
					CL (cont.)	same as above, reddish brown (2.5YR 5/3)	
10			46				
					CL (cont.)	same as above, yellowish brown (10YR 5/4)	
			40				
15						**END OF BORING** Total depth = 15.5 feet bgs, no groundwater encountered	
20							
25							
30							

PROFESSIONAL GEOLOGIST
Michael James Watson
NO. 8177
Exp 6-30-21
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Dry Bentonite
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. SG-1

Field Tests
Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

BORING LOG AND SAMPLE REVIEW:
M. Watson, PG#8177

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by PlaceWorks.