
Initial Site Assessment

Repair Embankment & Replace Culvert on
Route 128 at Kilometer Post 15.3
(Post Mile 9.5) in Napa County
at Lake Hennessey
EA No. 04-2S3701

January 25, 2006

Prepared for:

California Department of Transportation
District 04
Project Development – South
Special Projects

Prepared by:

California Department of Transportation
District 04
Office of Environmental Engineering
Hazardous Waste Branch
(Alameda, Napa, Sonoma, Solano and San Mateo Counties)

Memorandum

*Flex your power!
Be energy efficient!*

To: MELANIE BRENT
Senior Environmental Planner
Environmental Analysis

Date: Jan 25, 2006

File: 04-2S3701
Napa 128 KP 15.5
Repair Embankment
&
Replace Culvert at
Lake Hennessey

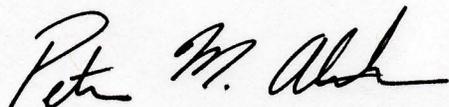
From: **DEPARTMENT OF TRANSPORTATION - District 4**
Office of Environmental Engineering - MS 8C
Hazardous Waste Branch
(Alameda, Napa, San Mateo Solano & Sonoma Counties)

Subject: Initial Site Assessment

Enclosed please find the initial site assessment you requested for the proposed embankment repair and culvert replacement project in Napa County on Route 128 at Lake Hennessey.

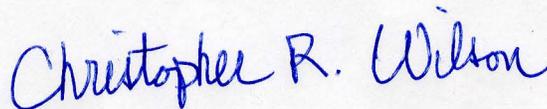
This initial site assessment has been prepared under the direction of the registered professional shown below and has been approved for use with Project No. 04-2S3701.

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- Appendix B Initial Site Assessment Checklist
- Appendix C *The EDR Radius Map Report, Napa 128 at Lake Hennessey, Napa, CA 94558.*
Environmental Data Resources, Incorporated. February 2, 2004
- Appendix D Deputy Directive DD-71 Management of Naturally Occurring Asbestos effective May 21, 2001.

1 Introduction

On December 10, 2003 Senior Environmental Planner Ms. Melanie Brent, requested an environmental assessment from the Office of Environmental Engineering (OEE) for a project which proposes to repair an eroded embankment and replace a drainage culvert on Route 128 in Napa County.

OEE responded to Ms. Brent's request via an email from Peter M. Altherr dated February 5, 2004. This email response summarized the potential hazardous materials concerns for this project but did not constitute a complete site assessment.

This Initial Site Assessment (ISA) report has been written in order to document the completion of the Hazardous Waste Branch's site investigation.

1.1 Purpose

The objective of an initial site assessment is to identify, within the agreed upon scope of work, recognized environmental conditions within and adjacent to existing and proposed right of way for Caltrans' projects. The term recognized environmental condition is defined within the American Society for Testing Materials Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-00). ASTM E1527-00 defines recognized environmental condition as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum hydrocarbons into structures on the property or into the ground, ground water, or surface water.

The term recognized environmental condition is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.

Hazardous substances, for the purpose of this ISA, shall be defined as a substance or waste that, because of its physical, chemical, or other characteristics, may pose a risk of endangering human health or safety or of degrading the environment. Hazardous substances includes, but is not limited to, all of the following:

- 1) A hazardous substance, as defined in California Health and Safety Code Section 25281 or Section 25316.
- 2) A hazardous waste, as defined in California Health and Safety Code Section 25117.
- 3) A waste, as defined in California Health and Safety Code Section 470 or as defined in Section 13050 of the California Water Code.

1.2 Scope of Services

This initial site assessment consisted of the following activities:

- An on-site visual inspection of the project site and the completion of Caltrans' Initial Site Assessment Checklist.
- A review of reasonably ascertainable and practically reviewable government records of contaminated sites located within the approximate minimum search distances specified within Section 7.2.1.1 of ASTM E1527-00.
- A file review of public information at the following agencies:
 - State of California's Department of Transportation – District 4
- A review of Geologic Maps by the Department of Conservation – Division of Mines and Geology to evaluate the likelihood that ultramafic rocks will be encountered at the project site.
- An evaluation of the available data and the preparation of a report.

1.3 Limitations

This ISA presents all the pertinent information discovered during the pursuit of the work as outlined in the scope of work. The scope of the assessment is typically proportional to the size of the proposed project, the probability of encountering hazardous material within the project limits, and the risks associated with encountering hazardous material during construction.

The recommendations and conclusions within this assessment are based upon information that is valid only up to the date and time that the information was collected. The Office of Environmental Engineering should be consulted if there is a significant change to the scope of the proposed project or if this project is delayed for a significant period of time.

No environmental assessment can wholly eliminate uncertainty regarding the potential for encountering recognized environmental conditions within any given site. This ISA follows the ASTM Standard E1527-00 to the extent that it is practical for the OEE. Compliance with the ASTM standard is intended to reduce but not eliminate uncertainty regarding the existence of recognized environmental conditions.

This report includes an introduction to of some of the regulatory requirements that are applicable or relevant and appropriate to working with naturally occurring asbestos and lead. These regulatory summaries are not inclusive of all applicable or relevant and appropriate regulations.

The conclusions of this report are the opinions of the assessor and are based upon the information derived from performing the agreed upon work.

2 Site Definition

2.1 Location

The project site is located in California in Napa County on State Route 128 near kilometer post 15.3 (mile post 9.5) along the southern shore of Lake Hennessey just to the east of Conn Dam. Route 128 is also known as Sage Canyon Road. See Figure 1.

2.2 Site and Project Description

Route 128 is a winding two lane road that passes along the southern shore of Lake Hennessey in a rural portion of Napa County. This route has been carved out of a hillside about twenty feet above the surface of the lake. Storm water has eroded the shore of Lake Hennessey and threatens to erode the road.

Caltrans proposes to replace the existing culvert at this site with a 1.8-meter diameter corrugated steel pipe. Once the culvert has been replaced, material will be imported to reconstruct the roadway embankment and then rocks will be placed on top of the embankment to minimize future soil erosion. See Figures 2 and 3.

The project site is the roadway itself and the adjacent area on either side of the road. The project will also include removing sediment and debris from the adjacent stream bed and lake bed.

2.3 Current Use of Property

The project site, Route 128 at mile post 9.5, is a conventional two lane highway facility that is currently open to traffic. Route 128, at this location, runs along the southern shore of Lake Hennessey.

2.4 Description of Improvements

No improvements, other than State Route 128 and the existing drainage culvert, were observed within the limits of this site investigation.

2.5 Current use of Adjoining Properties

The adjacent land to the south of Route 128 is undeveloped country covered with a variety of trees and shrubs. Lake Hennessey is located immediately north of Route 128. This lake was formed in the 1945 when the Conn Valley was flooded in order to provide drinking water for the City of Napa.

3 User Provided Information

3.1 Title Records

Right of way easements and acquisitions are not required for this project.

3.2 Specialized Knowledge

The Project Engineer, Mr. Daniel Chang, completed a Hazardous Waste Assessment Request Form dated December 27, 2004 that indicates that there are no previous hazardous waste, geotechnical, or asbestos survey reports available for this site. See Appendix A.

3.3 Activity and Use Limitations

There are no known activity and use limitations for the existing Route 128 right of way at this site. The adjacent Lake Hennessey does, however, have use limitations because it serves as a drinking water reservoir.

4 Records Review

4.1 Governmental Agency Database Review

A public record review was performed using Environmental Data Resources, Incorporated (EDR)'s Radius Map Report. The EDR report identifies governmental environmental records that are located within the ASTM specified search distance. The ASTM specified search distance varies from the property and adjoining properties, for State-registered underground storage tank sites, to 1.0 mile for Federal National Priority List sites. The EDR Radius Map Report (Report) meets the government records search requirements of ASTM E1527-00.

The EDR report requested specifically for this project, dated February 2, 2004, identified two leaking underground storage tank (LUST) sites within approximately a half mile of the project site. These two sites both refer to the Lake Hennessey Treatment Plant and are located at the same address, 1100 Sage Canyon Road. See Appendix C.

The EDR Report also contains a list of sites that cannot be properly mapped due to inadequate address information. This list does not contain any names for sites that might be adjacent to the project site.

4.2 Historical Use Information on the Property

A review of historical records including but not limited to aerial photographs, fire insurance maps, recorded land title records, local street directories, and building department records was not within the scope of this assessment.

An article written by Ms. Laurie Davis for the Weekly Calistogan states that the Conn Valley Dam was completed in 1945 in order to provide drinking water to the City of Napa. The Napa City Council named the reservoir in 1951 after Mr. Edwin R. Hennessey, who had managed water development for the City of Napa.

4.3 Historical Use of Adjoining Properties

A review of historical records for adjoining properties was not within the scope of this assessment.

5 Site Reconnaissance

A site inspection was conducted on January 23, 2006.

No recognized environmental conditions were observed at or adjacent to the project site.

Some rocks, however, were observed on site that appear to be serpentinite. Naturally occurring asbestos is typically found in serpentinite.

See Appendix B for a copy of the ISA Checklist.

6 Interviews

Interviews with property owner(s) were not conducted for this site assessment.

7 Additional Services

This section includes a description of any additional services that were provided which are generally outside the typical scope of work for an initial site assessment. Additional services for this site assessment include assessments pertaining to naturally occurring asbestos, aerially deposited lead, and lead paint/pavement markings. The discussion on naturally occurring asbestos has been prepared in accordance with Deputy Directive No. DD-71 "Management of Naturally Occurring Asbestos (NOA)." See Appendix D.

Recommendations for further action(s) are generally outside the scope of ASTM's Phase I Environmental Site Assessment but have been included within this assessment. See Section 11 *Recommendations*.

7.1 Naturally Occurring Asbestos (NOA)

7.1.1 NOA Geology

Asbestos is the generic term used to identify naturally occurring fibrous varieties, or asbestiform varieties, of six silicate minerals. These minerals are:

Table 7-1

Regulatory Name	Mineral Name	Mineral Group	Ideal Formula
Chrysotile	Chrysotile	Serpentine	$Mg_3Si_2O_5(OH)_4$
Actinolite	Actinolite	Amphibole	$Ca_2(Mg, Fe^{2+})_5Si_8O_{22}(OH)_2$
Amosite	Cummingtonite- Grunerite	Amphibole	$Mg_2Mg_5Si_8O_{22}(OH)_2 - Fe_2 Fe_5 Si_8 O_{22}(OH)_2$
Anthophyllite	Anthophyllite	Amphibole	$Mg_2Mg_5Si_8O_{22}(OH)_2$
Crocidolite	Riebeckite	Amphibole	$Na_2 (Fe^{2+}_3, Fe^{3+}_2)Si_8O_{22}(OH)_2$
Tremolite	Tremolite	Amphibole	$Ca_2Mg_5Si_8O_{22}(OH)_2$

(California Department of Conservation, 2002)

Naturally occurring asbestos (NOA) is the term used to describe the natural geologic occurrence of fibrous varieties of any of the six minerals listed in Table 7-1. The term asbestos also refers to an industrial product obtained by mining and processing deposits of asbestiform minerals.

Chrysotile is the most common of the six asbestos minerals found in California and is also part of the serpentine mineral group. Serpentine is defined as: "a mineral or rock composed of primarily of a hydrated magnesium silicate, green, yellow, or brown in color and often mottled with red." (Simon & Schulster 1988) The remaining five asbestos minerals belong to the amphibole mineral group. (Cal DoC, 2000)

The chrysotile mineral forms crystals that are naturally fibrous. These fibers occur in serpentinite in small veins. Although the term serpentine is commonly used to refer to the rock serpentinite, it is actually the name of the group of minerals that make up the rock serpentinite. (Cal DoC, 2000) Serpentinite is a metamorphic rock formed from ultramafic rock.

While undisturbed NOA may not be hazardous in and of itself, however, when serpentinite is disturbed asbestos may be released and inhaled by personnel at the site. The adverse health effects associated with the inhalation of asbestos, such as asbestosis, lung cancer, and mesothelioma, are well documented.

The USGS describes ultramafic rock as an intrusive igneous rock very rich in iron and magnesium and with much less silicon and aluminum than most crustal rocks. Ultramafic rocks form from silicate minerals in high temperature environments well below the surface

of the earth. Subsequent movement of sections of the earth's crust can transform ultramafic rock into serpentinite while pushing it to the surface of the earth.

Ultramafic rocks include dunite, periodontite, pyroxenite and hornblendite. Ultramafic rocks that are partly to completely serpentized are shown in purple with the abbreviation "um" on the regional geologic map series, available through the Department of Conservation. Geologic Map No. 2A, (Sheet 1 of 5) for the Santa Rosa Quadrangle, indicates that the project site is located within a region that consists predominantly of ultramafic rock.

Note that the small scale of the available geologic maps precludes showing detailed boundaries of ultramafic rock units and small occurrences of ultramafic rocks. The maps are only useful to evaluate the likelihood of finding ultramafic rock units in a particular area. Asbestos minerals are also known to occur in association with some fault areas in particular geologic settings, certain non-ultramafic related metamorphic rock types, and magnesium-rich carbonate rocks such as dolomite. (Cal DoC, 2000) These other rock types are not always shown in geologic maps. Asbestos minerals may also be found in soils or alluvium derived from asbestos-containing parent materials. Therefore, only a site-specific investigation by a competent geologist can determine the actual presence of ultramafic rock.

7.1.2 NOA Regulations

The California Air Resources Board (CARB) has two statewide control measures which regulate dust emissions from construction, grading, and surface mining in areas with ultramafic rock and prohibits the use of serpentine or ultramafic rock for unpaved surfacing. These control measures are referred to as:

- 1) The Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations (ATCM – Construction) and
- 2) The Asbestos Airborne Toxic Control Measure for Surfacing Applications (ATCM – Surfacing).

The ATCM – Construction went into effect on November 19, 2002 and contains specific requirements that apply to road construction and maintenance. These requirements include:

- Notifying the air pollution control officer at the Bay Area Air Quality Management District (BAAQMD) in writing prior to starting construction.
- Stabilizing unpaved areas subject to vehicle traffic
- Restricting on-site vehicle speeds to less than 15 miles per hour
- Stabilizing material storage piles and disturbed areas via wetting, chemical dust suppressant or a cover containing less than 0.25 percent asbestos.

Other requirements in the ATCM that are applicable to "construction and grading operations" that are relevant and appropriate to "road construction and maintenance" include:

- Preparing and submitting an Asbestos Dust Mitigation Plan to the BAAQMD (for sites that disturb more one acre of land in a geographic ultramafic rock unit)
- Applying sufficient water to the ground surface prior to disturbing the ground to prevent "visible emissions" from crossing the property line
- Washing equipment down before moving it from the project site onto a paved public road
- Cleaning up track-out material from paved public roads using a wet sweeping or high-efficiency particulate air filter-equipped vacuum device within 24 hours.

Note that the BAAQMD has a visible dust standard but it is possible for harmful levels of asbestos to be present in the air without seeing *any* visible dust.

The BAAQMD provides certain exemptions from the ATCM – Construction for emergency repair projects and projects in remote locations.

The ATCM – Surfacing applies to "any person who produces, sells, supplies, offers for sale or supply, uses, applies, or transports" material from a property located within or partly within a geographic ultramafic rock unit (guru). The ATCM – Surfacing includes the following regulations:

- Prohibits the use, sale and supply of material from within a guru (restricted material) for surfacing unless it contains less than 0.25% asbestos
- Producers and suppliers of restricted material that is to be used for surfacing must provide written receipts to the recipients of this material. These receipts must states that the material was tested and found to contain less than 0.25% asbestos
- Producers and suppliers of restricted material that is to be used for non-surfacing applications must provide written receipts to the recipients of this material that states the following:

"WARNING! This material may contain asbestos. It is unlawful to use this material for surfacing or any application in which it would remain exposed and subject to possible disturbances. Extreme care should be taken when handling this material to minimize the generation of dust."

- Persons who use restricted material for surfacing, including roadway shoulders, must retain the written receipts for a period of seven years from the date of use.

The regulations applicable to the disposal of waste material containing naturally occurring asbestos are convoluted. The California Department of Toxic Substances Control (DTSC) has classified friable, finely powdered wastes containing more than one percent (1.0%) asbestos as a hazardous waste, and specifies procedures for handling and disposal of such wastes. (DTSC, 2003) DTSC defines friable wastes as those that can be reduced to a powder or dust under hand pressure when dry. (DTSC, 2003) These special provisions cover packaging, labeling, and manifesting of such wastes. In addition, asbestos-containing wastes totaling more than 50 pounds must be transported by a registered hazardous waste transporter to a permitted hazardous waste disposal facility. (DTSC, 2003)

However, on January 20, 2000 Mr. James L. Tjosvold, chief of DTSC's Northern California – Central Cleanup Operations Branch stated. in a letter to Mr. Jon A. Morgan, representing the County of El Dorado, the following:

naturally occurring asbestos in earthen material such as soil or waste rock that are removed, unearthed, or otherwise displaced as a result of excavating or recovering an ore or a mineral is exempt as a hazardous waste.

It is the opinion of the Hazardous Waste Branch that excavation spoils that contain one percent or more asbestos, that cannot be reused anywhere within the project, should be considered to be a designated waste. This designated waste material need not be disposed of at a Class 1 landfill but should go to a Class 2 landfill that is permitted to accept asbestos-containing waste (ACW). Naturally occurring asbestos-containing waste material should be transported in a covered container and should be accompanied by a non-hazardous waste manifest.

7.2 Aerially Deposited Lead (ADL)

7.2.1 ADL History

The petroleum industry first introduced organic lead in gasoline in the early 1920s as an antiknock agent. (Stout, et al., 1999) Lead use in gasoline gradually increased until the 1970s. Growing concern over health issues associated with lead prompted California to introduce legislation that required the elimination of lead from gasoline by 1992. (Stout, et al., 1999)

Lead in gasoline was combusted in automobile engines and then discharged out the exhaust pipes. Lead from automobile exhaust is emitted as lead halides and as double salts with ammonium halides. (U.S.EPA, 1986) This lead from automobile emissions settled on and along the roadways. At neutral or higher pH values, lead deposited in soil is converted to relatively insoluble forms of sulfates, carbonates, phosphates, and organic complexes. Lead is strongly retained on soil under neutral soil pH conditions. (Fishbein, et al., 1997)

A study by Getz et al. (1977) indicated that the higher the historical traffic volume, the higher the soil lead content. This study also noted that soil lead concentrations were inversely proportional to the distance from the roadway. That is lead concentrations decreased the further a sample was collected from the roadway. The highest concentration of lead in surface soils is within 20 meters or less of traffic thoroughfares. (Getz et al., 1977). Data collected for OEE also indicates that the soil lead concentrations are inversely proportional to the depth of the sample below the original ground level. Typically, if the soil has not been disturbed, the highest lead concentrations are found at the ground surface and gradually decrease to background concentrations at about a depth of approximately one meter. Analytical results for total inorganic lead concentrations along State routes in District 4 range from non-detectable to 3,000 mg/kg.

7.2.2 Lead Regulations

The gradual buildup of aerially deposited lead (ADL) has resulted in lead concentrations in surface soils that sometimes exceed the total threshold limit concentration (TTL), 1,000 mg/kg, or the soluble threshold limit concentration (STLC), 5.0 mg/L, listed in Title 22 of the California Code of Regulations (22CCR). Waste materials that exceed their respective TTL or STLC are characterized as a California hazardous waste and must typically be disposed of at special landfills.

The California Environmental Protection Agency's Department of Toxic Substances Control (DTSC) performed, at Caltrans' request, a risk assessment that indicates up to 3,397 mg/kg of total lead and up to 50 mg/l soluble lead (via the California waste extraction test, using de-ionized water) can be tolerated in freeway embankments, under certain conditions, without any significant risk to human health or the environment. (DTSC 12/13/2002)

The DTSC issued Variance No. 00-H-VAR-01 (Variance) to District 04 on September 22, 2000 that is in effect until September 22, 2005. While the Variance has expired, DTSC has agreed to allow Caltrans to continue reusing lead contaminated soils under this Variance until the new one is completed.

7.2.3 Previous Site Investigations for ADL

Caltrans is required to perform a sampling, testing, and statistical analysis on soil that would be subject to regulation under 22CCR to demonstrate compliance with this Variance. Environmental Engineering retains copies of past site investigations for aerially deposited lead. These records were reviewed to evaluate the degree of lead contamination likely to exist within the proposed project limits. The following site investigation reports were found to include information useful to this assessment:

- Site Investigation Report for State Route 128 Drainage Improvements, Napa County, California. Geocon Environmental Consultants. December 1995.
- Aerial Lead Site Investigation Report, State Route 128, Yountville, Napa County, California. Geocon Geotechnical & Environmental Consultants. February 1998.

The 1995 site investigation was located along Route 128 just west of the proposed Lake Hennessey project site from post mile 7.93 to 8.89. Total lead concentrations in the twenty-eight samples, depth from 6 to 18 inches below the surface, ranged from less than the method detection limit of 1.0 mg/kg to 80 mg/kg. The 95% upper confidence limit of the arithmetic mean for total inorganic lead in these samples was determined to be 19.2 mg/kg using the ProUCL, Version 3.0, recommended approximate Gamma UCL method.

The 1998 site investigation was located along Route 128 just south of Lake Berryessa. Total lead concentrations in the four surface samples ranged from 37 to 57 mg/kg. Total lead concentrations in four other samples collected from a depth of 1.5 meters below grade ranged from 37 to 50 mg/kg.

7.2.4 Risk Screening Criteria for Lead

Lead is an element that occurs naturally in the earth's crust. Naturally occurring or "background" concentrations of inorganic lead have been observed in California soils to range from 12.4 to 97.1 mg/kg. (Bradford, et al., 1996) The Kearney Foundation of Soil Science also reported that the average concentration of lead determined from a collection of 50 benchmark soil samples collected at various locations in California was 23.9 mg/kg. (Bradford, et al., 1996)

The U.S. Environmental Protection Agency and the California Environmental Protection Agency both promulgate risk-based screening levels that may be used to evaluate the need for additional assessment of the risk that a certain contaminant may pose to humans at a particular site.

The California-modified preliminary remedial goal (PRG) for lead in soils at sites with a "residential" exposure scenario is 150 mg/kg (U.S. EPA 2004). The ESL for shallow soil (≤ 3 m bgs) in residential locations where groundwater is a current or potential source of drinking water is also 150 mg/kg (RWQCB 2005). The ESL for shallow soil (≤ 3 m bgs) at industrial land use sites where groundwater is a current or potential source of drinking water is also 750 mg/kg (RWQCB 2005).

7.3 Lead Paint/Pavement Markings

Lead and other potentially toxic substances exist in yellow paint and yellow thermoplastic pavement markings.

When yellow paint and yellow thermoplastic pavement markings are removed from the surface of the roadway via grinding they become a waste. Past samples of this waste material indicate that this waste is often subject to California hazardous waste regulations. Yellow pavement markings are present on Route 128 at the proposed project site.

7.4 GPS Survey

A global positioning system survey was not within the scope of this assessment.

8 Findings

8.1 Leaking Underground Storage Tank

The EDR report listed two identical sites on the leaking underground storage tank incident report database. These two sites are both listed as the Lake Hennessey Treatment Plant located approximately 1800 feet west of the proposed project site at an elevation of 256 feet. The A1 listing indicates that the tank(s) was used to store diesel fuel. Both cases were reported as closed in August of 1996.

8.2 Naturally Occurring Asbestos

Geologic maps prepared by the California Department of Conservation Division of Mines and Geology show that the project site is located within geographic ultramafic rock unit. Therefore there is a high probability that the soil and rocks at the site contain naturally occurring asbestos.

8.3 Lead

Laboratory analysis of surface soil samples less than one mile west of the project site suggest that total inorganic lead concentrations at the project site are likely to range from 0.5 to 80 mg/kg.

9 Opinions

9.1 Leaking Underground Storage Tank

The "leaking" underground storage tank site(s) at Lake Hennessey did not actually leak but was probably included on the Napa County database when the tanks were removed. Even if these tanks did leak they were too far away and at a much lower elevation from the proposed project area to have any adverse impact on the proposed project.

The leaking underground storage tank sites are not a recognized environmental condition with regard to the proposed project site.

9.2 Naturally Occurring Asbestos

Naturally occurring asbestos is probably present within the project limits and needs to be quantified in order to develop plans to ensure compliance with environmental laws and regulations and to ensure that the Department's actions are protective of human health and the environment.

Naturally occurring substances, while potentially hazardous, do not fit the definition of a recognized environmental condition, as defined by ASTM 1527-00. This ASTM standard specifically addresses naturally occurring substances in Section X1.6.3 Radon, which is also a naturally occurring hazardous substance. Section X1.6.3.3 states that naturally occurring substances are not recognized environmental conditions because these substances have been specifically excluded from the National Contingency Plan (NCP).

9.3 Lead

Naturally occurring lead is probably present at the proposed project site. This naturally occurring lead is not likely to be present in concentrations that exceed current risk based screening levels for shallow soil within residential areas where groundwater is a current source of drinking water.

Naturally occurring substances, while potentially hazardous, do not fit the definition of a recognized environmental condition, as defined by ASTM 1527-00.

10 Conclusions

This Phase I environmental site assessment has revealed no evidence of any recognized environmental conditions, as defined in the Fourth Edition of the American Society for Testing and Materials Standard No. 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, in connection with the project site. This assessment did reveal, however that naturally occurring asbestos, a hazardous substance, is likely to be found in the soil at the proposed project site.

11 Recommendations

This initial site assessment indicates that there is a high probability that naturally occurring asbestos is present at the proposed project site. While this naturally occurring asbestos is not considered to be a recognized environmental condition, it is a hazardous substance and a hazardous air pollutant.

The project proponents are advised to do the following:

- 1) Conduct a geologic investigation to confirm the presence of asbestos in soil at the site and, if present, determine the percent asbestos in the soil by surface area and by weight. This geologic investigation should be conducted in accordance with the California Department of Conservation's Special Publication No. 124 "Guidelines for Geologic Investigations of Naturally Occurring Asbestos in California."

12 Deviations

The American Society for Testing Materials Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process states specific requirements for what should be included within the scope of work for an Phase I Environmental Site Assessment.

The following items were, however, excluded from the scope of this assessment:

- Interviews with current owners and occupants of the site.
- A review of reasonably ascertainable and practically reviewable historical records.

Note that this assessment used a different definition for hazardous substances than is used in the ASTM E1527-00. Hazardous substances are defined in ASTM E1527-00 pursuant to the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) 42 USC Section 9601(14). This assessment, however, relies on the definition provided in Section 25260(d) of the California Health and Safety Code.

13 References

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14 Acronyms

ADL	Aerially Deposited Lead	PCB	Polychlorinated Bipheyl
ARARs	Applicable or Relevant and Appropriate Requirements	PEA	Preliminary Endangerment Assessment
AST	Above Ground Storage Tank	PG&E	Pacific Gas and Electric Company
ASTM	American Society for Testing and Materials	PNA	Polynuclear Aromatic Hydrocarbon (aka PAH)
bgs	below ground surface	PRG	Preliminary Remedial Goal
BTEX	benzene, toluene, ethylbenzene, total xylenes	PSI	Professional Service Industries
CCR	California Code of Regulations	RAW	Removal Action Work Plan
CERCLA	Comprehensive Environmental Response Compensation and Liability Act	RBSLs	Risk Based Screening Levels
DTSC	California Environmental Protection Agency's Department of Toxic Substances control	R/W	Caltrans' right-of-way
EBMUD	East Bay Municipal Utility District	RDIP	Remedial Design and Implementation Plan
EPA	State of California's Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act
ESA	Environmental Site Assessment	RWQCB	Regional Water Quality Control Board
GPS	Global Positioning System	SAPR	Site Assessment Plus Report
GURU	Geographic Ultramafic Rock Unit	STLC	Soluble Threshold Limit Concentration
HI	Hazard Index	SVOC	Semi-volatile Organic Compound
HSC	California Health and Safety Code	TCLP	Toxicity Characteristic Leaching Procedure
ISA	Initial Site Assessment	TPH	Total Petroleum Hydrocarbons
LUST	Leaking Underground Storage Tank	TPH-D	Total Petroleum Hydrocarbons reported as Diesel
MCL	Maximum Contaminant Level	TPH-MO	Total Petroleum Hydrocarbons reported as Motor Oil
Mg/kg	milligrams per kilogram	TRPH	Total Recoverable Petroleum Hydrocarbons
Mg/l	milligrams per liter	TTLC	Total Threshold Limit Concentration
MtBE	Methyl Teriary Butle Ether	UCL	Upper Confidence Level
NOA	Naturally Occurring Asbestos	US EPA	United States Environmental Protection Agency
NPDES	National Pollutant Discharge Elimination System	UST	Underground Storage Tank
PAH	Polycyclical Aromatic Hydrocarbons (aka PNA)	VOC	Volatile Organic Compound

Figures

- Figure 1. Project Location Map
- Figure 2. Draft Drainage Plan D-1
- Figure 3. Typical Cross Section X-1
- Figure 4. Drainage Profile and Drainage Quantities DP-1
- Figure 5. Photo of Route 128 at Post Mile 9.5

US11	COUNTY	ROUTE	TOTAL PROJECT LENGTH	SHEET NO.	TOTAL SHEETS
04	Napa	128	15.3	1	8

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN NAPA COUNTY
ABOUT 7.7 KM EAST OF RUTHERFORD
AT 3.3 KM EAST
OF THE CONN CREEK BRIDGE

To be supplemented by Standard Plans dated July, 1999

INDEX OF SHEETS

SHEET NO.	TITLE AND LOCATION MAP
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	LAYOUTS
4	DRAINAGE PLAN
5	DRAINAGE PROFILE AND QUANTITIES
6	DRAINAGE DETAILS
7	CONSTRUCTION AREA SIGNS
8	STAGE CONSTRUCTION

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO CONTRACTORS AND SPECIAL PROVISIONS BOOK.

DATE PLOTTED = 27-DEC-2004
 TIME PLOTTED = 11:36
 USERNAME = 531457011
 DON TITLE = 4253700bc01.dgn

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS
 SCALE IS IN MILLIMETERS

PROJECT ENGINEER DATE PROJECT MANAGER DATE
 O. CHANG L. A. JONES

CONTRACTOR shall possess the Class (or classes) of license as specified in the "Notice to Contractors".

DATE PLOTTED = 27-DEC-2004
 TIME PLOTTED = 11:36
 USERNAME = 531457011
 DON TITLE = 4253700bc01.dgn

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DATE PLOTTED = 27-DEC-2004
 TIME PLOTTED = 11:36
 USERNAME = 531457011
 DON TITLE = 4253700bc01.dgn

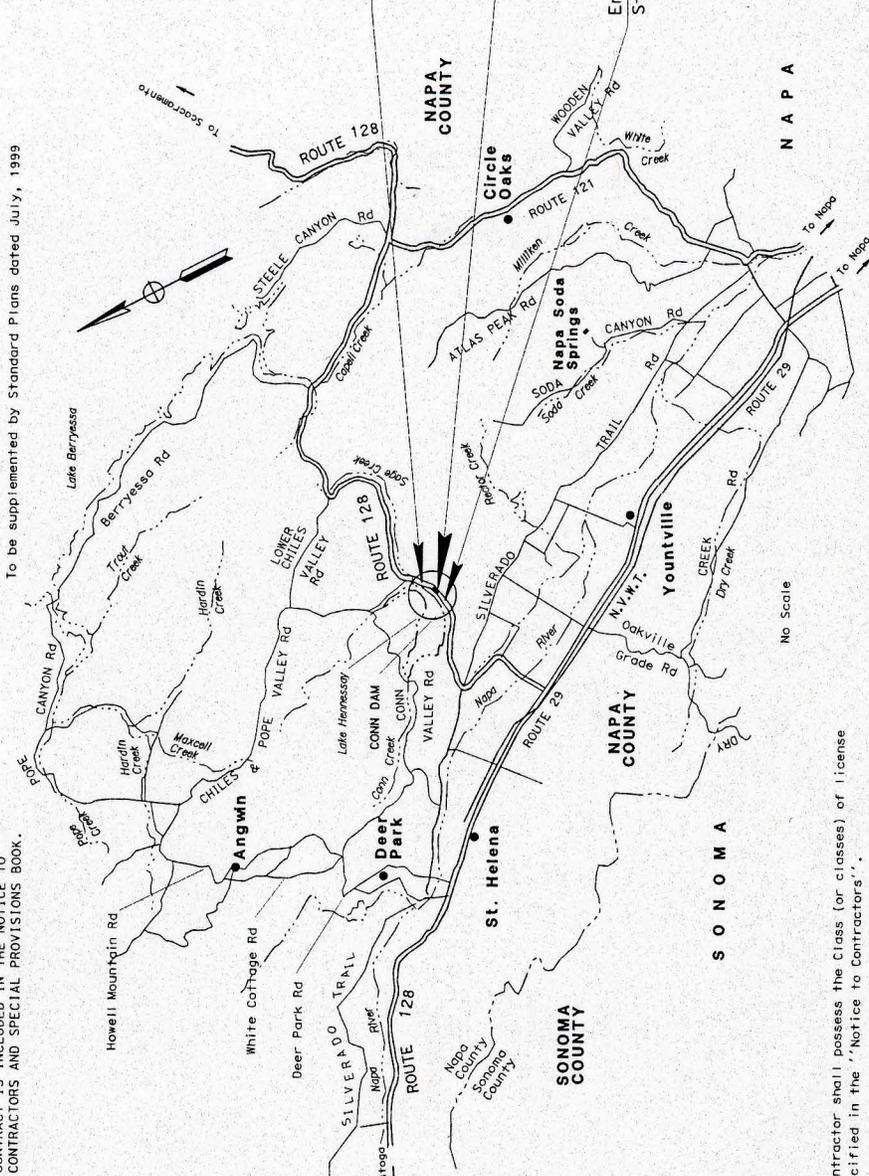
FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS
 SCALE IS IN MILLIMETERS

PROJECT ENGINEER DATE PROJECT MANAGER DATE
 O. CHANG L. A. JONES

CONTRACTOR shall possess the Class (or classes) of license as specified in the "Notice to Contractors".



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LOCATION OF CONSTRUCTION
 KP 15.3
 PM 9.5

Begin Work Sta
 End Work Sta

Project Engineer Date
 May Shered Civil Engineer
 Plans Approval Date



Contract No. CU 04224
 DRAWING No. 2S3701-1

Figure 1. Project Location Map

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER	DANIEL CHANG	CHECKED BY	
DATE	REVISOR	DATE	REVISOR	DATE

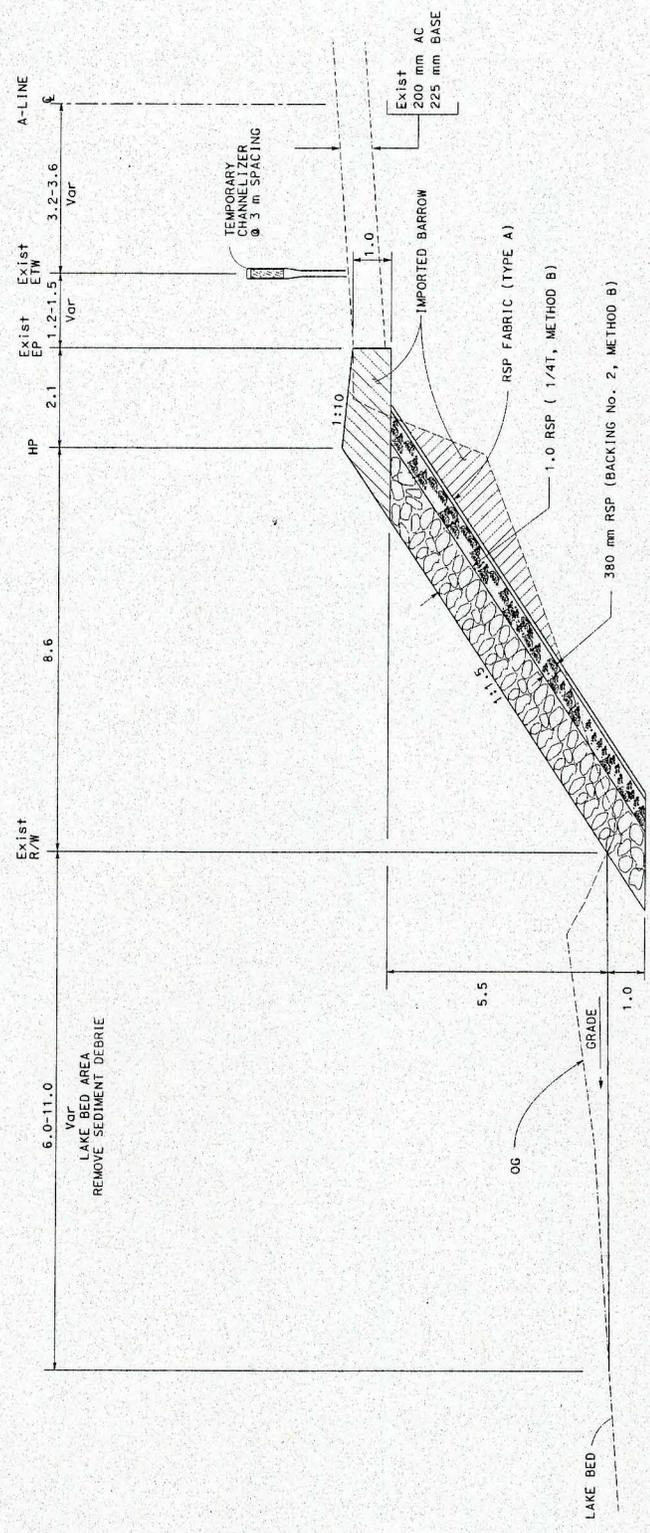


DIST. COUNTY	ROUTE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
04 Ncp	128	15.3	2	8

REGISTERED CIVIL ENGINEER
 D. CHONG
 No. 56476
 Exp. 6-30-05
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: _____
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of information furnished herein.

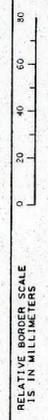
Caltrans: For this web site, go to the web site for the file: <http://www.dtlz.com>



Sta A 101+05 TO 101+25

TYPICAL CROSS SECTION
 NO. SCALE:
X-1

ALL DIMENSIONS ARE IN METERS
 UNLESS OTHERWISE SHOWN



USERNAME: s\y\caltrans\1
 DGN FILE: s\4282\020001.dgn

CU 04224

DRAWING No. 253701-2

Figure 3. Typical Cross Section X-1

DRAINAGE QUANTITIES



DIS. COUNT	ROUTE	MILE PER FOOT SHEET	NOTES SHEETS
04 Ncp	128	15.3	5 8

REGISTERED CIVIL ENGINEER

RELINQUISHMENT DATE

D. CHONG
No. 56476
Exp. 6-30-05
CIVIL ENGINEER

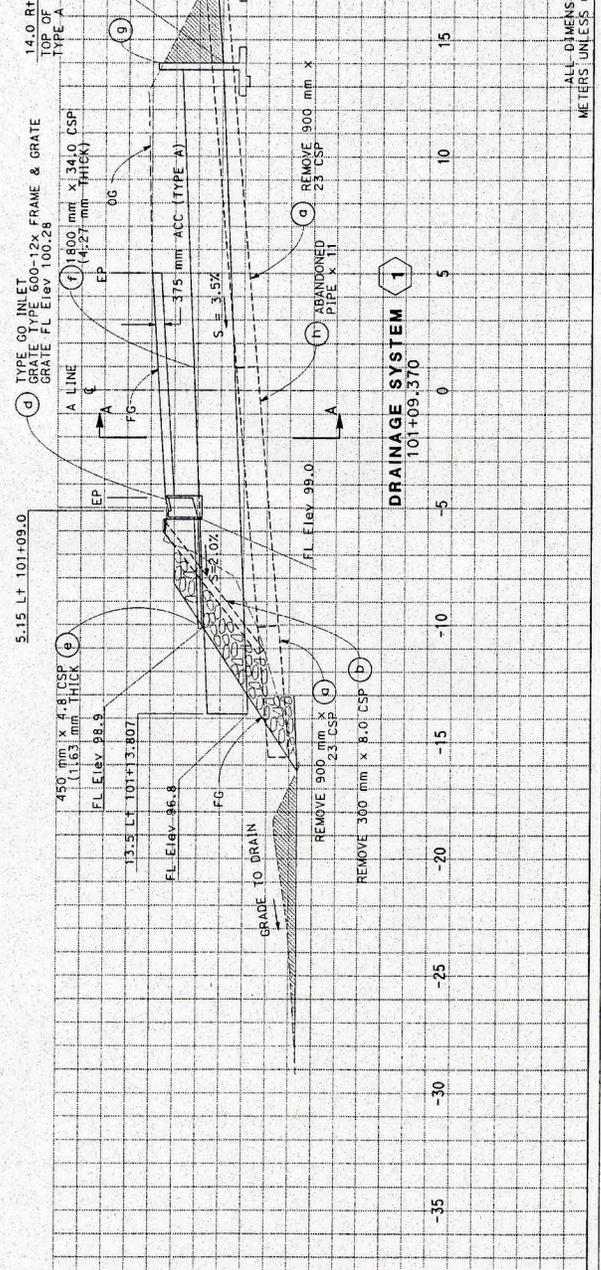
The State of California is not responsible for the accuracy or completeness of electronic copies of this plan.

California now has a web site. To get to the web site, go to: <http://www.dbo.ca.gov>

STATION	DESCRIPTION	QUANTITY	UNIT	DRAINAGE SYSTEM NO.	DRAINAGE UNIT
101+09.201	REMOVE EXISTING 900 mm CSP	34	m	1	g
101+09.0	REMOVE EXISTING 300 m CSP	8	m	1	d
17.885 Rt 101+07.695	REMOVE HEADWALL	1	EA	1	c
5.15 Lt 101+09.0	OO INLET	2	S	1	e
14.0 Rt 101+07.695, 13.5 Lt 101+13.807	450 mm CSP	34	m	1	f
14.0 Rt 101+07.695	HEADWALL WITH TYPE A WINGWALL	1	EA	1	g
14.0 Rt 101+07.695	ABANDONED PIPE	11	m	1	h
TOTAL		114	EA		

DRAINAGE SYSTEM NO.	DRAINAGE UNIT	MAXIMUM COVER (N)	PIPE JOINT CLASSIFICATION	HEIGHT OF WALL (N)	HEIGHT OF INLET (N)	PIPE (4.27 mm THICK)	1800 mm CORRUGATED STEEL	200 mm ELBOW (N)	450 mm CORRUGATED STEEL	600-12 FRAM & GATE (N)	MISCELLANEOUS IRON AND STEEL	REMOVE CONCRETE (N)	REMOVE CONCRETE (N)	REMOVE PIPE	ABANDONE PIPE	DRAINAGE UNIT	
1	g															g	
1	d															d	
1	c															c	
1	e															e	
1	f															f	
1	g															g	
1	h															h	
TOTAL																	

(N) NOT A PAY ITEM, INFORMATION ONLY.



ABBREVIATION

S STANDARD JOINT

D SWALE DRAIN

LEGEND

ROADWAY EXCAVATION

DRAINAGE PROFILE AND DRAINAGE QUANTITIES

SCALE: HORIZ 1:100
VERT 1:100

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

PROJECT ENGINEER: DANIEL CHANG

DESIGNED BY: [Blank]

CHECKED BY: [Blank]

DATE REVISID: [Blank]

DATE REVISID: [Blank]

Caltrans

HYDRAULICS

DRAWING NO. 2S3701-5

CU 04224

USER NAME: d.chong

JOB FILE: 2-455-0101001.dgn

RELATIVE BORDER SCALE 1:5 IN MILLIMETERS

DATE PLOTTED: 27-05-2004

TIME PLOTTED: 11:28

11-03-04

Figure 4. Drainage Profile and Drainage Quantities DP-1



State of California – Department of Transportation
District 4 - Office of Environmental Engineering

Photo By: Peter Altherr

Date: January 23, 2006

Description: View of Napa Route 128/Sage Canyon Road at post mile 9.5.

Replace Culvert
At Lake Hennessey, California
EA No. 04-2S3701

Figure No. 5

Appendix A

HW Assessment Request Form

State of California

Department of Transportation

HW ASSESSMENT REQUEST FORM

Date of Request 12/27/04

Assessment Needed by

Check the type of assessment being requested

- Checkboxes for assessment types: PID, PA/ED, PS&E, New ISA PSR, New ISA PDS, Updated ISA Request, PDS PSI Request, Site Investigation Request, Update Site Investigation, New ISA Investigations, HW Survey Request, Update Site Investigation, New ISA Investigation.

The items listed below are all necessary for a thorough hazardous waste assessment. The more information provided, the more accurate the assessment, schedule, resources, cost and duration estimates that can be provided. Submit an updated request form as new information becomes available.

District 04 EA 2S3701 Co/Rte/KP(PM) Napa-128-KP15.3(PM 9.5) Attach purpose and need statement

Project Description: Repair embankment and replace culvert

Location: In Napa County about 7.7 Km east of Rutherford at 3.3 Km east of Conn Creek Bridge.

Requestor's Name: Daniel Chang Title: PE Phone & Fax: 6-4774

Project Manager: Lawrence A. Jones Project Engineer: Daniel Chang

Background Information Larry Jones 286-4667

- 1. Is this an oversight project? No X Yes
2. Are any previous hazardous waste, geotechnical, or asbestos survey reports available? No X Yes
3. Is lead or other contaminated soil known to be present within the project? No X Yes
4. Is there any information not mentioned above that the District HW Unit should know? (If yes please attach.)

Right of way

- 1. Are R/W acquisitions or easements needed? No X Yes
2. Are there any known sensitive property owner issues or concerns? No Yes X

Lake Hennessey is a drinking water reservoir for City of Napa and County

Project Information

- 1. Attach geometric, aerial, or other plans with all alternatives clearly shown to this request. Plans not attached will be available on:
2. Indicate location, type, and composition of utilities and drainage to be relocated, abandoned, or modified.
3. Is removal of yellow thermoplastic or paint striping part of project? No X Yes
4. Is groundwater expected during construction and / or post construction? Anticipated depth
5. Is disposal of excavation material anticipated? No Yes X How much (quantity)? 300 m3 reuse possible on the project? No X Yes

Structure Information

All Structure work for project must be described and plans provided. Provide As-builts. Use separate sheet if necessary. Attached with email

Any useful information not mentioned above the Hazardous Waste Office should know about? The Original Request memo dated April 28, 2003. The project require specifications for handling any hazardous material in that area.

Project delayed about 1 year. Dan chang, 3/17/05 PMA

Appendix B

Initial Site Assessment Checklist

INITIAL SITE ASSESSMENT (ISA) CHECKLIST

DATE: _____

PROJECT INFORMATION

DISTRICT _____ County NAPA Route 128 KiloPost(PM) 9.5 EA 2S3701

Scope of Project:

Repair Embankment & Replace Culvert

Project Engineer: _____ Telephone _____

Environmental Coordinator: _____ Telephone _____

DATE ISA NEEDED: _____

Attach the project location map and an aerial photo to this checklist to show the location of proposed RW and all known and/or potential hazardous waste sites.

1. Project Features: New RW? Excavation? Railroad Involvement:
Structure Demolition/Modification? Subsurface Utility Relocation
2. Project Setting: Rural Urban
Current Land Uses: _____
Adjacent Land Uses: _____

(Industrial, light industrial, commercial, agriculture, residential, other)

3. Check Federal, State and local environmental and health regulatory agency records as necessary to see if any known hazardous waste site is in or near the project area. If a known site is identified, show its location on the attached map and attach additional sheets as needed to provide all information available pertinent to the proposed project. IS PROJECT AFFECTING SITES LISTED ON CORTESE LIST? NO YES IF YES DESCRIBE SITE: _____

4 Conduct Field Inspection. _____ Date _____

Storage Structures/Pipelines:	Contamination: (spill, leaks, illegal dumping, etc.)	Hazardous Materials: (asbestos, lead, etc.)
USTs <u>None</u>	Surface staining <u>None</u>	Buildings <u>None</u>
Surface tanks <u>None</u>	Oil sheens <u>None</u>	Sprayed-on <u>None</u>
sumps <u>No</u> ponds <u>No</u>	Odors <u>None</u>	fireproofing <u>None</u>
drums <u>No</u> basins <u>No</u>	Vegetation, carnage <u>None</u>	Pipe wrap <u>↓</u>
transformers <u>None</u>	Other _____	friable tile <u>↓</u>
landfill <u>None</u>		Acoustical plaster <u>↓</u>
other _____		Serpentine <u>Possible</u>
		paint <u>None</u>
		other _____

5. Other comments and/or observations:

On shore of Lake Hennessey - High water level with has covered debris on lake bed.

ISA DETERMINATION:

Does the project have potential hazardous waste involvement?

If there is known or potential hazardous waste involvement, is additional ISA work needed before task orders can be prepared for the preliminary Site Investigation? If yes, explain and give estimate of additional time required:

No obvious hazardous materials with the exception of possible naturally occurring asbestos.

ISA CONDUCTED BY: PETER ALTMERR DATE: 1-23-2006

Appendix C

EDR Radius Map Report



The EDR Radius Map™ Report

Napa 128 at Lake Hennessey
Napa 128 at Lake Hennessey
Napa, CA 94558

Inquiry Number: 01122172.1r

February 02, 2004

***The Source
For Environmental
Risk Management
Data***

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	8
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

NAPA 128 AT LAKE HENNESSEY
NAPA, CA 94558

COORDINATES

Latitude (North): 38.479000 - 38° 28' 44.4"
Longitude (West): 122.372000 - 122° 22' 19.2"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 554777.8
UTM Y (Meters): 4258943.0
Elevation: 321 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 38122-D3 YOUNTVILLE, CA
Source: USGS 7.5 min quad index

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 ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-LQG..... Resource Conservation and Recovery Information System
RCRIS-SQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

AWP..... Annual Workplan Sites

EXECUTIVE SUMMARY

Cal-Sites	Calsites Database
CHMIRS	California Hazardous Material Incident Report System
Cortese	"Cortese" Hazardous Waste & Substances Sites List
Notify 65	Proposition 65 Records
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
WMUDS/SWAT	Waste Management Unit Database
CA BOND EXP. PLAN	Bond Expenditure Plan
UST	List of Underground Storage Tank Facilities
VCP	Voluntary Cleanup Program Properties
INDIAN UST	Underground Storage Tanks on Indian Land
CA FID UST	Facility Inventory Database
HIST UST	Hazardous Substance Storage Container Database

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
DOD	Department of Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Aboveground Petroleum Storage Tank Facilities
CLEANERS	Cleaner Facilities
CA WDS	Waste Discharge System
DEED	List of Deed Restrictions
NFA	No Further Action Determination
EML	Emissions Inventory Data
REF	Unconfirmed Properties Referred to Another Agency
SCH	School Property Evaluation Program
NFE	Properties Needing Further Evaluation
CA SLIC	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
HAZNET	Hazardous Waste Information System

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas	Former Manufactured Gas (Coal Gas) Sites
-----------------------	--

BROWNFIELDS DATABASES

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

EXECUTIVE SUMMARY

VCP..... Voluntary Cleanup Program Properties

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.

STATE ASTM STANDARD

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 04/02/2003 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

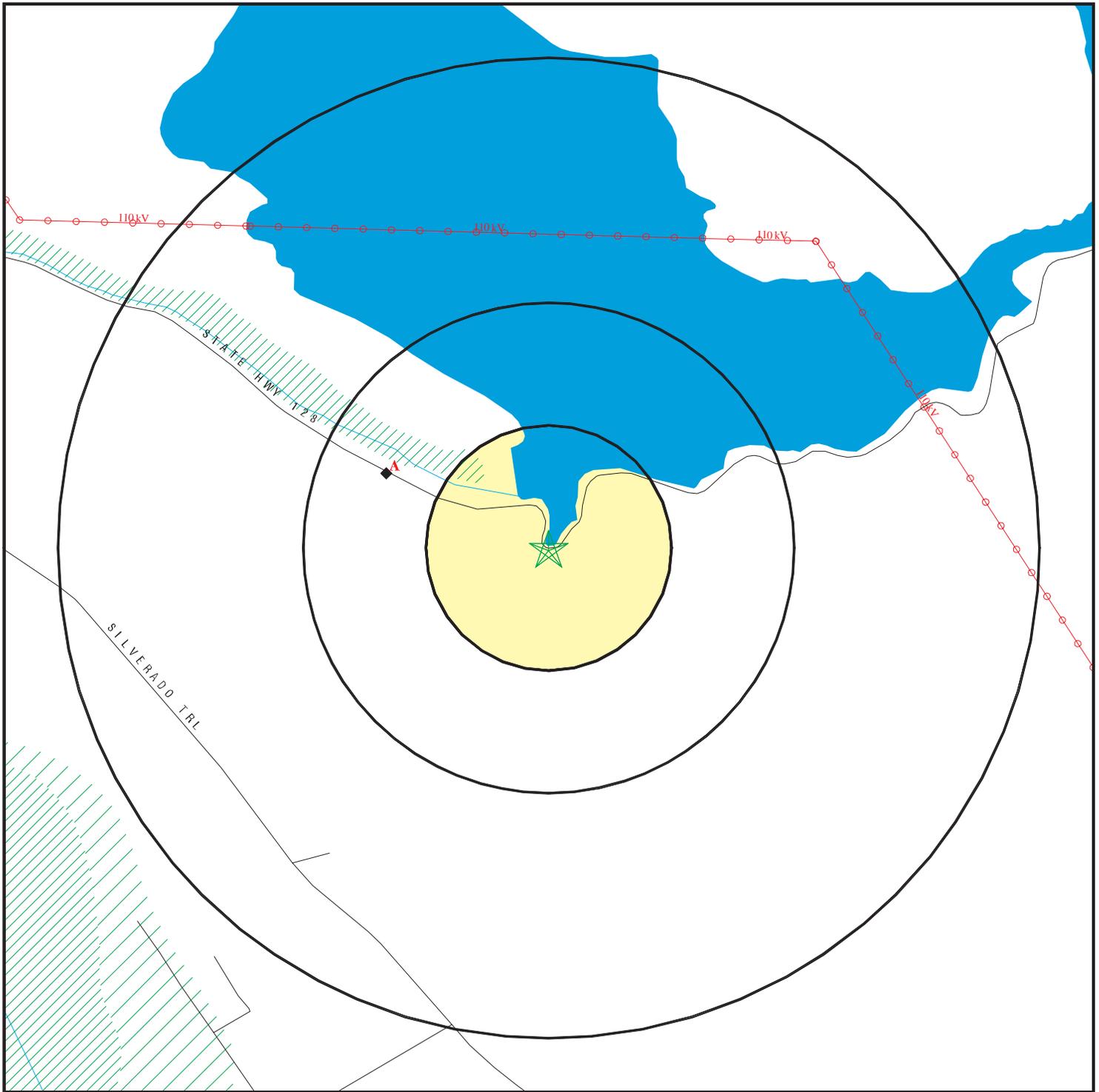
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LAKE HENNESSEY TREATMENT PLANT	1100 SAGE CANYON RD	1/4 - 1/2 WNW A1		6
<i>NAPA CITY:LAKE HENNESSEY TRMT</i>	<i>1100 SAGE CANYON ROAD</i>	<i>1/4 - 1/2 WNW A2</i>		<i>7</i>

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
NAPA STATE HOSPITAL	LUST, Cortese
WEST NAPA PUMP STATION	LUST, Cortese
BARITELLE WINERY	LUST, Cortese
NAPA AMERICAN CANYON JOIN	Cortese
ASYLUM SLOUGH OIL SPILL	CERCLIS, FINDS
AMERICAN CANYON LEVEE DS	SWF/LF
BERRYESSA GARBAGE SERVICE DISPOSAL	SWF/LF, REF
N S D WEST NAPA PUMP STATION	LUST
PACIFIC BELL	RCRIS-SQG, FINDS, LUST, CA WDS
AMERICAN CANYON BEACON	LUST
PACIFIC AUTO SALVAGE, INC.	LUST, UST
NAPA AMERICAN CANYON JOINT WASTE	LUST
AMERICAN CANYON BEACON	UST
CENTRAL STATES CONCRETE PRODUC	HIST UST
NAPA CHARTER LINES	HIST UST
HILLMAN TOBACCO INC	HIST UST
TULUCAY SUBSTATION	HIST UST
NAPA SHOP	CA WDS, HIST UST
JEAN CLAUDE BOISSET LION IMPOR	HIST UST
HYDRO CONDUIT CORP	CA FID UST, EMI
NAPA CHARTER LINES	CA FID UST
NAPA SHOP	CA FID UST
NAPA VALLEY AUTO REPAIR & REFINISH	HAZNET
CITY OF NAPA - WATER DEPT	HAZNET
NAPA COUNTY PUBLICWORKS	HAZNET
NAPA ARMORY CA ARNG	HAZNET
NAPA COUNTY STORM DAMAGE	HAZNET
NAPA COUNTY ENVIRONMENTAL MANAGEME	HAZNET
NAPA COUNTY/DEPT OF ENVIRON MGMT	HAZNET
NAPA WYE	HAZNET
NAPA SANITATION DISTRICT	HAZNET
NAPA COUNTY/CLANDESTINE DRUG LABS	HAZNET
TITAN CO	RCRIS-SQG, FINDS
NAPA GARBAGE SERVICE INC	RCRIS-SQG, FINDS
PACIFIC BELL	RCRIS-SQG, FINDS
SOUTH NAPA WASTE MANAGEMENT AUTHOR	FINDS
NAPA SANITATION DISTRICT	FINDS
NAPA VALLEY CHRISTIAN HIGH SCHOOL	FINDS
NAPA FLOOD CONTROL DISTRICT	US BROWNFIELDS
MOSKOWITE CORNER	CA SLIC
NAPA WINE CO	CA WDS
NAPA PIPE CORPORATION	EMI

OVERVIEW MAP - 01122172.1r - CA DOT District 4



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

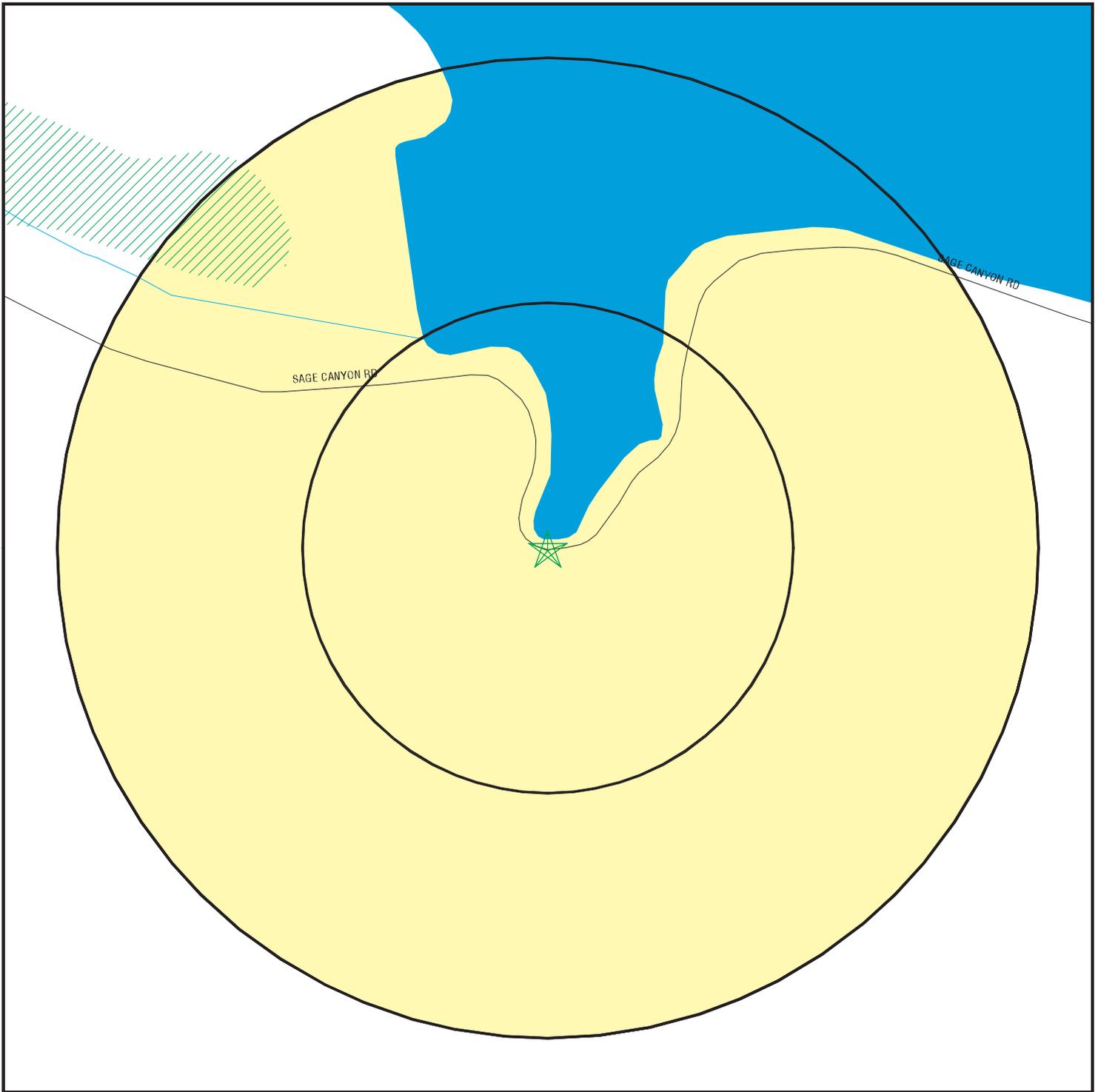
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▣ Areas of Concern



TARGET PROPERTY: Napa 128 at Lake Hennessey
 ADDRESS: Napa 128 at Lake Hennessey
 CITY/STATE/ZIP: Napa CA 94558
 LAT/LONG: 38.4790 / 122.3720

CUSTOMER: CA DOT District 4
 CONTACT: Peter Altherr
 INQUIRY #: 01122172.1r
 DATE: February 02, 2004 5:39 pm

DETAIL MAP - 01122172.1r - CA DOT District 4



- ★ Target Property
 - ▲ Sites at elevations higher than or equal to the target property
 - ◆ Sites at elevations lower than the target property
 - ⚡ Coal Gasification Sites
 - ⚠ Sensitive Receptors
 - 🚧 National Priority List Sites
 - 🗑️ Landfill Sites
 - 🏢 Dept. Defense Sites
-
- Oil & Gas pipelines
 - 100-year flood zone
 - 500-year flood zone
 - Areas of Concern



TARGET PROPERTY: Napa 128 at Lake Hennessey ADDRESS: Napa 128 at Lake Hennessey CITY/STATE/ZIP: Napa CA 94558 LAT/LONG: 38.4790 / 122.3720	CUSTOMER: CA DOT District 4 CONTACT: Peter Altherr INQUIRY #: 01122172.1r DATE: February 02, 2004 5:39 pm
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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	2	NR	NR	2
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
UST		0.250	0	0	NR	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
CA FID UST		0.250	0	0	NR	NR	NR	0
HIST UST		0.250	0	0	NR	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CLEANERS		0.250	0	0	NR	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
DEED	TP		NR	NR	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
REF		0.250	0	0	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
CA SLIC		0.500	0	0	0	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1	LAKE HENNESSEY TREATMENT PLANT	LUST	S102432459
WNW	1100 SAGE CANYON RD		N/A
1/4-1/2	RUTHERFORD, CA 94573		
1888 ft.			

Site 1 of 2 in cluster A

**Relative:
 Lower**

**Actual:
 256 ft.**

<p>State LUST: Cross Street: Not reported Qty Leaked: Not reported Case Number: 28-0287 Reg Board: 2 Chemical: Diesel Lead Agency: Local Agency Local Agency : 0 Case Type: Soil only Status: Case Closed Review Date: Not reported Workplan: Not reported Pollution Char: Not reported Remed Action: Not reported Monitoring: Not reported Close Date: 08/06/1996 Release Date: 11/18/1994 Cleanup Fund Id : Not reported Discover Date : 11/18/1994 Enforcement Dt : Not reported Enf Type: Not reported Enter Date : 08/01/1996 Funding: Not reported Staff Initials: ZZZ How Discovered: Tank Closure How Stopped: Not reported Interim : Not reported Leak Cause: UNK Leak Source: UNK MTBE Date : / / Max MTBE GW : 0 Parts per Billion MTBE Tested: Not Required to be Tested. Priority: Not reported Local Case # : 43 Beneficial: Not reported Staff : MRC GW Qualifier : Not reported Max MTBE Soil : Not reported Soil Qualifier : Not reported Hydr Basin #: Not reported Operator : Not reported Oversight Prgm: Local Oversight Program UST Oversight Prgm : LOP Review Date : 08/01/1996 Stop Date : 11/18/1994 Work Suspended :No Responsible Party:BLANK RP RP Address: Not reported Global Id: T0605500245</p>	<p>Confirm Leak: Not reported Prelim Assess: Not reported Remed Plan: Not reported</p>
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Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LAKE HENNESSEY TREATMENT PLANT (Continued)

S102432459

Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: 0
 Mtbe Fuel: 0
 Water System Name: Not reported
 Well Name: Not reported
 Distance To Lust: 0
 Waste Discharge Global ID: Not reported
 Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2
 Case Number: T0605500245
 Facility Id: 28-0287
 Entered Date: 08/01/1996
 Facility Status: Case Closed
 Maximum Soil Concentration: 21000
 Maximum Groundwater Impact: 0
 County : Napa
 Current Benzene: Not reported
 MTBE Detected in GW: Not reported
 MTBE Detected in Soil: Not reported
 MTBE: 0
 MTBE Qualify: Not reported

A2 NAPA CITY:LAKE HENNESSEY TRMT
WNW 1100 SAGE CANYON ROAD
1/4-1/2 RUTHERFORD, CA 94573
1924 ft.

LUST U003114901
UST N/A

Site 2 of 2 in cluster A

**Relative:
 Lower**

LUST Napa County:
 Facility ID: NAPA0043
 Region: NAPA
 Date Closed: 08/06/1996

**Actual:
 261 ft.**

UST Napa County:
 Facility ID: NAPA0043
 Region: NAPA

Num of Tanks: 0

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NAPA	S105025148	NAPA STATE HOSPITAL	2100 HWY 221	94558	LUST, Cortese
NAPA	S105938770	NAPA PIPE CORPORATION	HWY 29 / KAISER RD	94558	EMI
NAPA	1000150320	TITAN CO	HWY 29	94558	RCRIS-SQG, FINDS
NAPA	S101588804	HYDRO CONDUIT CORP	HIGHWAY 29 / TOWER RD	94558	CA FID UST, EMI
NAPA	U001597512	CENTRAL STATES CONCRETE PRODUC	HWY 29 / TOWER RD	94558	HIST UST
NAPA	U001597611	NAPA CHARTER LINES	NORTH BAY WAY / WALL STREET	94558	HIST UST
NAPA	S101623948	NAPA CHARTER LINES	N BAY WAY / WALL ST	94558	CA FID UST
NAPA	S105773234	N S D WEST NAPA PUMP STATION	0 COOMBS ST	94558	LUST
NAPA	S104914963	WEST NAPA PUMP STATION	COOMBS ST	94558	LUST, Cortese
NAPA	1006884587	NAPA FLOOD CONTROL DISTRICT	EASTERN SIDE OF THE NAPA RIVER		US BROWNFIELDS
NAPA	1006249239	SOUTH NAPA WASTE MANAGEMENT AUTHOR	END EUCALYPTUS ROAD	94558	FINDS
NAPA	S105090591	NAPA VALLEY AUTO REPAIR & REFINISH	908 ENTERPRISE WAY BLDG C	94558	HAZNET
NAPA	S105025137	BARITELLE WINERY	1546 ST HELENA HWY		LUST, Cortese
NAPA	1004443188	NAPA SANITATION DISTRICT	950 IMOLA AVENUE WEST	94558	FINDS
NAPA	1000250967	PACIFIC BELL	KELLY ROAD HIGHWAY 29	94558	RCRIS-SQG, FINDS, LUST, CA WDS
NAPA	S106086290	CITY OF NAPA - WATER DEPT	270 KIRKLAND RANCH RD	94558	HAZNET
NAPA	S104565606	NAPA COUNTY PUBLICWORKS	KNOXVILLE BERRYESSA RD NORTHSI		HAZNET
NAPA	S105688995	MOSKOWITE CORNER	LAKE BERRYESSA		CA SLIC
NAPA	1004675503	NAPA GARBAGE SERVICE INC	820 LEVITIN WAY	94558	RCRIS-SQG, FINDS
NAPA	S100940558	NAPA ARMORY CA ARNG	13606 MENLO AVE	94558	HAZNET
NAPA	S103978850	NAPA COUNTY STORM DAMAGE	NAPA COUNTY		HAZNET
NAPA	S103978849	NAPA COUNTY ENVIRONMENTAL MANAGEME	NAPA VALLEY COLLEGE	94558	HAZNET
NAPA	S100940560	NAPA COUNTY/DEPT OF ENVIRON MGMT	NAPA VALLEY COLLGE/SO PARK LOT	94558	HAZNET
NAPA	U001597555	HILLMAN TOBACCO INC	NAPA	94558	HIST UST
NAPA	1001115053	ASYLUM SLOUGH OIL SPILL	NAPA RIVER,END OF KAISER WAY I	94558	CERCLIS, FINDS
NAPA	S105974525	AMERICAN CANYON BEACON	0 NAPA VALLEJO HWY	94558	LUST
NAPA	U003763636	PACIFIC AUTO SALVAGE, INC.	5759 NAPA VALLEJO HWY	94558	LUST, UST
NAPA	U003916744	AMERICAN CANYON BEACON	0 NAPA VALLEJO HWY	94558	UST
NAPA	U001597672	TULUCAY SUBSTATION	2760 NAPA-VALLEJO HIGHWAY	94558	HIST UST
NAPA	1004439364	NAPA VALLEY CHRISTIAN HIGH SCHOOL	P O BOX 4288	94558	FINDS
NAPA	S106094279	NAPA WYE	1200 FT S O HWY 12	94558	HAZNET
NAPA	S102361394	AMERICAN CANYON LEVEE DS	1000 FT S OF AMERICAN CANYON S		SWF/LF
NAPA	S106101843	NAPA WINE CO	7830 SAINT HELENA HWY # 40	94558	CA WDS
NAPA	S106093217	NAPA SANITATION DISTRICT	1515 SOSCOL FERRY RD	94558	HAZNET
NAPA	S105025143	NAPA AMERICAN CANYON JOIN	SOSCOL RD	94558	Cortese
NAPA	S100185694	BERRYESSA GARBAGE SERVICE DISPOSAL	STEELE CANYON ROAD	94558	SWF/LF, REF
NAPA	U001597616	NAPA SHOP	TOWER RD. / HIGHWAY 29	94558	CA WDS, HIST UST
NAPA	S101623953	NAPA SHOP	TOWER RD / HWY 29	94558	CA FID UST
NAPA	S104025319	NAPA AMERICAN CANYON JOINT WASTE	UNKNOWN SOSCOL FERRY RD	94558	LUST
NAPA	S103978851	NAPA COUNTY/CLANDESTINE DRUG LABS	VARIOUS LOCATIONS WITHIN NAPA		HAZNET
RUTHERFORD	U001598311	JEAN CLAUDE BOISSET LION IMPOR	8440 ST. HELENA HWY	94574	HIST UST
SPANISH FLAT	1000698152	PACIFIC BELL	LAKE BERRYESSA SPANISH FLAT	94558	RCRIS-SQG, FINDS

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.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

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: 10/21/03

Date Made Active at EDR: 12/08/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/03/03

Elapsed ASTM days: 35

Date of Last EDR Contact: 11/03/03

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 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 10/14/03

Date Made Active at EDR: 12/08/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/01/03

Elapsed ASTM days: 7

Date of Last EDR Contact: 11/03/03

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

Source: EPA

Telephone: 703-413-0223

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

Date of Government Version: 11/17/03

Date Made Active at EDR: 02/02/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/22/03

Elapsed ASTM days: 42

Date of Last EDR Contact: 12/22/03

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/03
Date Made Active at EDR: 02/02/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/22/03
Elapsed ASTM days: 42
Date of Last EDR Contact: 12/22/03

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/18/03
Date Made Active at EDR: 02/02/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/26/03
Elapsed ASTM days: 38
Date of Last EDR Contact: 12/08/03

RCRIS: Resource Conservation and Recovery Information System

Source: EPA
Telephone: 800-424-9346

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

Date of Government Version: 12/10/03
Date Made Active at EDR: 01/16/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 12/12/03
Elapsed ASTM days: 35
Date of Last EDR Contact: 01/19/04

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342

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

Date of Government Version: 12/31/02
Date Made Active at EDR: 02/03/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/03
Elapsed ASTM days: 7
Date of Last EDR Contact: 10/27/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346

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: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 12/16/03
Date of Next Scheduled EDR Contact: 03/15/04

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices
Telephone: Varies

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: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Source: EPA
Telephone: 703-416-0223

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: 07/09/03
Database Release Frequency: Annually

Date of Last EDR Contact: 01/06/04
Date of Next Scheduled EDR Contact: 04/05/04

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

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: 10/21/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/03/03
Date of Next Scheduled EDR Contact: 02/02/04

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04
Date of Next Scheduled EDR Contact: 04/05/04

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4555

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

Date of Government Version: 08/11/03
Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/04
Date of Next Scheduled EDR Contact: 04/19/04

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

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

Date of Government Version: 10/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04
Date of Next Scheduled EDR Contact: 04/05/04

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 11/25/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/29/03
Date of Next Scheduled EDR Contact: 03/29/04

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/21/03
Date of Next Scheduled EDR Contact: 02/23/04

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

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: 09/30/03
Database Release Frequency: Annually

Date of Last EDR Contact: 11/12/03
Date of Next Scheduled EDR Contact: 02/09/04

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-648-5920

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: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/12/03
Date of Next Scheduled EDR Contact: 02/09/04

STORMWATER: Storm Water General Permits

Source: Environmental Protection Agency
Telephone: 202 564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

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

Date of Government Version: 07/15/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/17/03
Date of Next Scheduled EDR Contact: 03/15/04

RMP: Risk Management Plans

Source: Environmental Protection Agency
Telephone: 202-564-8600

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

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: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-566-0250

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: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 12/22/03
Date of Next Scheduled EDR Contact: 03/22/04

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

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: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA
Telephone: 202-564-2501

Date of Government Version: 10/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/22/03
Date of Next Scheduled EDR Contact: 03/22/04

SSTS: Section 7 Tracking Systems

Source: EPA
Telephone: 202-564-5008

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

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/04
Date of Next Scheduled EDR Contact: 04/19/04

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/22/03
Date of Next Scheduled EDR Contact: 03/22/04

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites

Source: California Environmental Protection Agency
Telephone: 916-323-3400

Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 11/30/03
Date Made Active at EDR: 01/08/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 12/01/03
Elapsed ASTM days: 38
Date of Last EDR Contact: 12/01/03

CAL-SITES: Calsites Database

Source: Department of Toxic Substance Control
Telephone: 916-323-3400

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.

Date of Government Version: 11/30/03
Date Made Active at EDR: 01/08/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/01/03
Elapsed ASTM days: 38
Date of Last EDR Contact: 12/01/03

CHMIRS: California Hazardous Material Incident Report System

Source: Office of Emergency Services
Telephone: 916-845-8400

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

Date of Government Version: 12/31/02
Date Made Active at EDR: 08/07/03
Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/11/03
Elapsed ASTM days: 27
Date of Last EDR Contact: 11/24/03

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100

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: 04/01/01
Date Made Active at EDR: 07/26/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/29/01
Elapsed ASTM days: 58
Date of Last EDR Contact: 10/27/03

NOTIFY 65: Proposition 65 Records

Source: State Water Resources Control Board
Telephone: 916-445-3846

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

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 01/19/04

TOXIC PITS: Toxic Pits Cleanup Act Sites

Source: State Water Resources Control Board
Telephone: 916-227-4364

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 11/03/03

SWF/LF (SWIS): Solid Waste Information System

Source: Integrated Waste Management Board
Telephone: 916-341-6320

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

Date of Government Version: 11/14/03
Date Made Active at EDR: 01/08/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/16/03
Elapsed ASTM days: 23
Date of Last EDR Contact: 12/16/03

WMUDS/SWAT: Waste Management Unit Database

Source: State Water Resources Control Board
Telephone: 916-227-4448

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: 04/01/00
Date Made Active at EDR: 05/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00
Elapsed ASTM days: 30
Date of Last EDR Contact: 12/09/03

LUST: Leaking Underground Storage Tank Information System

Source: State Water Resources Control Board
Telephone: 916-341-5740

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

Date of Government Version: 04/02/03
Date Made Active at EDR: 04/25/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/16/03
Elapsed ASTM days: 9
Date of Last EDR Contact: 01/12/04

CA BOND EXP. PLAN: Bond Expenditure Plan

Source: Department of Health Services
Telephone: 916-255-2118

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: 01/01/89
Date Made Active at EDR: 08/02/94
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6
Date of Last EDR Contact: 05/31/94

CA UST:

UST: Active UST Facilities

Source: SWRCB
Telephone: 916-341-5700
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/02/03
Date Made Active at EDR: 04/30/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/16/03
Elapsed ASTM days: 14
Date of Last EDR Contact: 01/12/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Voluntary Cleanup Program Properties

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

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

Date of Government Version: 11/30/03

Date Made Active at EDR: 12/23/03

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/01/03

Elapsed ASTM days: 22

Date of Last EDR Contact: 12/01/03

INDIAN UST: Underground Storage Tanks on Indian Land

Source: EPA Region 9

Telephone: 415-972-3368

Date of Government Version: 12/05/03

Date Made Active at EDR: 01/08/04

Database Release Frequency: Varies

Date of Data Arrival at EDR: 12/05/03

Elapsed ASTM days: 34

Date of Last EDR Contact: 11/24/03

CA FID UST: Facility Inventory Database

Source: California Environmental Protection Agency

Telephone: 916-445-6532

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: 10/31/94

Date Made Active at EDR: 09/29/95

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95

Elapsed ASTM days: 24

Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database

Source: State Water Resources Control Board

Telephone: 916-341-5700

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: 10/15/90

Date Made Active at EDR: 02/12/91

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91

Elapsed ASTM days: 18

Date of Last EDR Contact: 07/26/01

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities

Source: State Water Resources Control Board

Telephone: 916-341-5712

Registered Aboveground Storage Tanks.

Date of Government Version: 12/01/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/03/03

Date of Next Scheduled EDR Contact: 02/02/04

CLEANERS: Cleaner Facilities

Source: Department of Toxic Substance Control

Telephone: 916-225-0873

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: 11/26/03

Database Release Frequency: Annually

Date of Last EDR Contact: 01/07/04

Date of Next Scheduled EDR Contact: 04/05/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA WDS: Waste Discharge System

Source: State Water Resources Control Board
Telephone: 916-657-1571

Sites which have been issued waste discharge requirements.

Date of Government Version: 12/15/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/22/03
Date of Next Scheduled EDR Contact: 03/22/04

DEED: List of Deed Restrictions

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 01/05/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/06/04
Date of Next Scheduled EDR Contact: 04/05/04

NFA: No Further Action Determination

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 11/30/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/01/03
Date of Next Scheduled EDR Contact: 03/01/04

EMI: Emissions Inventory Data

Source: California Air Resources Board
Telephone: 916-322-2990

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/01
Database Release Frequency: Varies

Date of Last EDR Contact: 10/20/03
Date of Next Scheduled EDR Contact: 01/19/04

REF: Unconfirmed Properties Referred to Another Agency

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 11/30/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/01/03
Date of Next Scheduled EDR Contact: 03/01/04

SCH: School Property Evaluation Program

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

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

Date of Government Version: 11/30/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/01/03
Date of Next Scheduled EDR Contact: 03/01/04

NFE: Properties Needing Further Evaluation

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/30/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/01/03
Date of Next Scheduled EDR Contact: 03/01/04

HAZNET: Hazardous Waste Information System

Source: California Environmental Protection Agency
Telephone: 916-255-1136

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 11/11/03
Date of Next Scheduled EDR Contact: 02/09/04

LOCAL RECORDS

ALAMEDA COUNTY:

Local Oversight Program Listing of UGT Cleanup Sites

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 12/09/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/26/04

Underground Tanks

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 12/09/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/26/04

CONTRA COSTA COUNTY:

Site List

Source: Contra Costa Health Services Department
Telephone: 925-646-2286

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

Date of Government Version: 12/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/01/03
Date of Next Scheduled EDR Contact: 03/01/04

FRESNO COUNTY:

CUPA Resources List

Source: Dept. of Community Health
Telephone: 559-445-3271

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

Date of Government Version: 01/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/08/03
Date of Next Scheduled EDR Contact: 02/09/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 07/25/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/22/03
Date of Next Scheduled EDR Contact: 03/08/04

LOS ANGELES COUNTY:

List of Solid Waste Facilities

Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 06/03/03
Database Release Frequency: Varies

Date of Last EDR Contact: 11/21/03
Date of Next Scheduled EDR Contact: 02/16/04

City of El Segundo Underground Storage Tank

Source: City of El Segundo Fire Department
Telephone: 310-524-2236

Date of Government Version: 09/11/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/17/03
Date of Next Scheduled EDR Contact: 02/16/04

City of Long Beach Underground Storage Tank

Source: City of Long Beach Fire Department
Telephone: 562-570-2543

Date of Government Version: 03/28/03
Database Release Frequency: Annually

Date of Last EDR Contact: 11/24/03
Date of Next Scheduled EDR Contact: 02/23/04

City of Torrance Underground Storage Tank

Source: City of Torrance Fire Department
Telephone: 310-618-2973

Date of Government Version: 09/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/17/03
Date of Next Scheduled EDR Contact: 02/16/04

City of Los Angeles Landfills

Source: Engineering & Construction Division
Telephone: 213-473-7869

Date of Government Version: 03/01/02
Database Release Frequency: Varies

Date of Last EDR Contact: 12/16/03
Date of Next Scheduled EDR Contact: 03/15/04

HMS: Street Number List

Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/30/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/17/03
Date of Next Scheduled EDR Contact: 02/16/04

Site Mitigation List

Source: Community Health Services
Telephone: 323-890-7806
Industrial sites that have had some sort of spill or complaint.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/07/03
Database Release Frequency: Annually

Date of Last EDR Contact: 11/17/03
Date of Next Scheduled EDR Contact: 02/16/04

San Gabriel Valley Areas of Concern

Source: EPA Region 9
Telephone: 415-972-3178

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

Date of Government Version: 12/31/98
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99
Date of Next Scheduled EDR Contact: N/A

MARIN COUNTY:

Underground Storage Tank Sites

Source: Public Works Department Waste Management
Telephone: 415-499-6647

Currently permitted USTs in Marin County.

Date of Government Version: 08/19/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/03/03
Date of Next Scheduled EDR Contact: 02/02/04

NAPA COUNTY:

Sites With Reported Contamination

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 10/02/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/29/03
Date of Next Scheduled EDR Contact: 03/29/04

Closed and Operating Underground Storage Tank Sites

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 10/02/03
Database Release Frequency: Annually

Date of Last EDR Contact: 12/29/03
Date of Next Scheduled EDR Contact: 03/29/04

ORANGE COUNTY:

List of Underground Storage Tank Cleanups

Source: Health Care Agency
Telephone: 714-834-3446

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/25/03
Date of Next Scheduled EDR Contact: 03/08/04

List of Underground Storage Tank Facilities

Source: Health Care Agency
Telephone: 714-834-3446

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 09/02/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/19/03
Date of Next Scheduled EDR Contact: 03/08/04

List of Industrial Site Cleanups

Source: Health Care Agency
Telephone: 714-834-3446

Petroleum and non-petroleum spills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/24/00
Database Release Frequency: Annually

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

PLACER COUNTY:

Master List of Facilities

Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 10/16/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/22/03
Date of Next Scheduled EDR Contact: 03/22/04

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/19/04
Date of Next Scheduled EDR Contact: 04/19/04

Underground Storage Tank Tank List

Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/19/04
Date of Next Scheduled EDR Contact: 04/19/04

SACRAMENTO COUNTY:

CS - Contaminated Sites

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 07/17/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/03/03
Date of Next Scheduled EDR Contact: 02/02/04

ML - Regulatory Compliance Master List

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

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

Date of Government Version: 07/17/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/03/03
Date of Next Scheduled EDR Contact: 02/02/04

SAN BERNARDINO COUNTY:

Hazardous Material Permits

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

SAN DIEGO COUNTY:

Solid Waste Facilities

Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/00
Database Release Frequency: Varies

Date of Last EDR Contact: 11/21/03
Date of Next Scheduled EDR Contact: 02/23/04

Hazardous Materials Management Division Database

Source: Hazardous Materials Management Division
Telephone: 619-338-2268

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: 10/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/09/04
Date of Next Scheduled EDR Contact: 04/05/04

SAN FRANCISCO COUNTY:

Local Oversight Facilities

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 12/09/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

Underground Storage Tank Information

Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 12/09/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

SAN MATEO COUNTY:

Fuel Leak List

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 11/24/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/26/04

Business Inventory

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/13/03
Database Release Frequency: Annually

Date of Last EDR Contact: 01/12/04
Date of Next Scheduled EDR Contact: 04/12/04

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report

Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 12/31/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/29/03
Date of Next Scheduled EDR Contact: 03/29/04

Hazardous Material Facilities

Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 10/01/03
Database Release Frequency: Annually

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

SOLANO COUNTY:

Leaking Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 12/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/16/03
Date of Next Scheduled EDR Contact: 03/15/04

Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 12/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/16/03
Date of Next Scheduled EDR Contact: 03/15/04

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 10/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/26/04

SUTTER COUNTY:

Underground Storage Tanks

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 07/01/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/09/04
Date of Next Scheduled EDR Contact: 04/05/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VENTURA COUNTY:

Inventory of Illegal Abandoned and Inactive Sites

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 09/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 11/26/03
Date of Next Scheduled EDR Contact: 02/23/04

Listing of Underground Tank Cleanup Sites

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/16/03
Date of Next Scheduled EDR Contact: 03/15/04

Underground Tank Closed Sites List

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/30/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/12/04
Date of Next Scheduled EDR Contact: 04/12/04

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
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: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/16/03
Date of Next Scheduled EDR Contact: 03/15/04

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 10/29/03
Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/04
Date of Next Scheduled EDR Contact: 04/19/04

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
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: 02/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/21/03
Date of Next Scheduled EDR Contact: 02/23/04

LUST REG 2: Fuel Leak List

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/28/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/14/04
Date of Next Scheduled EDR Contact: 04/12/04

LUST REG 3: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/17/03
Date of Next Scheduled EDR Contact: 02/16/04

LUST REG 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 08/09/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/31/03
Date of Next Scheduled EDR Contact: 03/29/04

LUST REG 5: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-255-3125

Date of Government Version: 07/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04
Date of Next Scheduled EDR Contact: 04/05/04

LUST REG 6L: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424

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

Date of Government Version: 09/09/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 11/13/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04
Date of Next Scheduled EDR Contact: 04/05/04

LUST REG 7: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 07/02/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/29/03
Date of Next Scheduled EDR Contact: 03/29/04

LUST REG 8: Leaking Underground Storage Tanks

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498

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: 01/12/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/12/03
Date of Next Scheduled EDR Contact: 02/09/04

LUST REG 9: Leaking Underground Storage Tank Report

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 01/19/04
Date of Next Scheduled EDR Contact: 04/19/04

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/21/03
Date of Next Scheduled EDR Contact: 02/23/04

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 03/28/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/14/04
Date of Next Scheduled EDR Contact: 04/12/04

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/16/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/17/03
Date of Next Scheduled EDR Contact: 02/16/04

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 10/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/26/04

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-855-3075

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 01/08/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/06/04
Date of Next Scheduled EDR Contact: 04/05/04

SLIC REG 6L: SLIC Sites

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 09/09/03
Database Release Frequency: Varies

Date of Last EDR Contact: 12/08/03
Date of Next Scheduled EDR Contact: 03/08/04

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 05/08/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/09/04
Date of Next Scheduled EDR Contact: 04/05/04

SLIC REG 7: SLIC List

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/19/03
Database Release Frequency: Varies

Date of Last EDR Contact: 12/01/03
Date of Next Scheduled EDR Contact: 02/23/04

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 04/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/07/04
Date of Next Scheduled EDR Contact: 04/05/04

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Date of Government Version: 12/01/03
Database Release Frequency: Annually

Date of Last EDR Contact: 12/01/03
Date of Next Scheduled EDR Contact: 03/04/04

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400

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

Date of Government Version: 11/30/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/01/03
Date of Next Scheduled EDR Contact: 03/01/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

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.

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

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

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

Daycare Centers: Licensed Facilities

Source: Department of Social Services
Telephone: 916-657-4041

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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Appendix D

Deputy Directive DD-71

Deputy Directive

Number: DD-71

Refer to

Director's Policy: 03 - Safety and Health
04 - Environmental Policy

Effective Date: 05-21-01

Supersedes: New

TITLE

Management of Naturally Occurring Asbestos (NOA)

POLICY

The California Department of Transportation (Caltrans) identifies and addresses naturally occurring asbestos (NOA) related to planning, developing, constructing, maintaining and accessing transportation facilities. Caltrans identifies and manages NOA issues in a manner that protects its employees, the public and the environment. Caltrans is proactive in establishing responsibility, providing training, monitoring and complying with California and federal rules and regulations governing NOA.

DEFINITION/

BACKGROUND

"Naturally occurring asbestos" is a term used for several types of naturally occurring fibrous minerals found in serpentine and other ultramafic rock. Asbestos-containing ultramafic rocks are typically grayish green to bluish black and may have a shiny appearance. Asbestos-containing ultramafic rocks are abundant in the Sierra foothills, Klamath Mountains and Coast Ranges. Asbestos can be released from these rocks when they are broken or crushed. Releases can occur when equipment is driven on unpaved roads, on shoulders, or in areas that are surfaced with serpentine or other ultramafic rock. Asbestos also is released naturally through weathering and erosion. Once released from the rock, asbestos fibers can become airborne. Asbestos is a known carcinogen. Breathing asbestos fibers increases the risk of asbestos-related disease. Asbestos-containing rock may be found while planning, developing, constructing, or maintaining transportation facilities, particularly in Districts 1-6 and 10.

The California Air Resources Board (ARB) and local air pollution control districts issue rules that apply to construction and road maintenance and the use of asbestos-containing rock. The California Office of Safety and Health Administration (Cal/OSHA) issues regulations addressing worker safety.

Manufactured asbestos in buildings is covered by different rules and regulations and is not the subject of this Deputy Directive.

RESPONSIBILITIES

Division of Environmental Analysis:

- Is the focal point for monitoring the Department's actions related to NOA issues.
- Convenes advisory groups, as needed, to comment on regulations.
- Develops specific procedures and tools for identifying and documenting in environmental documents materials containing NOA deposits.
- Informs Divisions and Districts regarding known locations of NOA and the rules and regulations governing these locations.
- Assists Divisions and Districts in developing procedures for managing asbestos-bearing rock.

Division of Engineering Services

- Implements Department policies and procedures for identifying and managing material containing NOA and for protecting employees, its agents and the public from exposure to NOA resulting from fieldwork. Issues and updates Division procedures related to these issues.
- Maintains contract specifications for addressing NOA issues.

Division of Transportation Planning

- Provides guidance to the Districts related to addressing, in planning and project initiation documents, the identification and management of potential NOA sites.
- Coordinates efforts with Regional Transportation Planning Agencies, as necessary.

Division of Design

- Coordinates with the Divisions of Environmental Analysis, Engineering Services and Construction to develop or update specifications and special provisions addressing NOA issues.
- Modifies manuals and other guidance documents to reflect NOA related policies and procedures.

Division of Local Assistance

- Prepares Department specifications and guidance related to NOA issues for dissemination by the Districts to local agencies.

Division of Traffic Operations

- Provides guidance and information to the Districts to assure that those requesting encroachment permits are aware of and comply with regulatory requirements pertaining to investigating and managing NOA.

Division of Construction

- Develops and updates procedures and related manuals regarding the handling of NOA encountered during construction, including material brought on site, in a manner that protects employees, its agents and the public.
- Coordinates with external organizations to exchange information regarding NOA.

Division of Maintenance

- Implements Department policies and procedures for identifying and managing material containing NOA and protecting employees, its agents and the public from exposure to NOA resulting from fieldwork. Issues and updates Division procedures related to these issues.

Division of Right of Way

- Develops and updates policies and procedures for negotiating disposal site agreements and for acquiring, managing and disposing of property with NOA.

Office of Health and Safety

- Provides guidance to Divisions and Districts for the personal protection of employees from exposure to NOA.
- Conducts exposure assessments for employees that may disturb NOA while performing their work.

Districts and Regions

- Implement Department policies and procedures for identifying and managing material containing NOA.

- Facilitates cooperation and coordination between functional areas to implement Department policies.

Managers and Supervisors

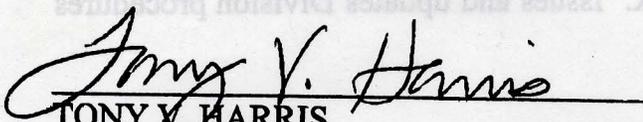
- Conduct activities in compliance with all federal, State and local statutes and regulations and departmental policies and procedures. Communicate these to local agencies, as necessary.
- Enforce contract specifications that protect employees, its agents and the public from NOA.
- Become familiar with locations containing NOA in their area of responsibility.
- Provide information and training to employees involved in the investigation, handling and packaging of NOA.

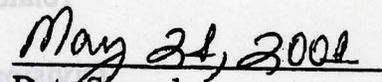
Employees

- Are aware of and comply with this policy.

APPLICABILITY

All Caltrans employees.


TONY V. HARRIS
Chief Deputy Director


Date Signed