

APPENDIX C

ENVIRONMENTAL DATA RESOURCES, INC., REPORT



**Environmental
Data
Resources, Inc.**

an edr company

The EDR-Radius Map with GeoCheck®

**Phase I ESA
Mount Diablo Base + Meridian
Livermore, CA 94550**

Inquiry Number: 0379681.1r

June 11, 1999

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

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

MOUNT DIABLO BASE + MERIDIAN
LIVERMORE, CA 94550

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

NPL: _____ National Priority List
De-listed NPL: _____ NPL Deletions
RCRIS-TSD: _____ Resource Conservation and Recovery Information System
AWP: _____ AWP
Cal-Sites: _____ Cal-Sites
Notify 65: _____ Notify 65
CHMIRS: _____ California Hazardous Material Incident Report System
Cortese: _____ Cortese
Toxic Pits: _____ Toxic Pits
CERCLIS: _____ Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP: _____ Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS: _____ Corrective Action Report
SWF/LF: _____ State Landfill
LUST: _____ Leaking Underground Storage Tank Information System
UST: _____ Hazardous Substance Storage Container Database
Ca. FID: _____ CA FID
AST: _____ Aboveground Petroleum Storage Tank Facilities
RAATS: _____ RCRA Administrative Action Tracking System
WMUDS: _____ WMUDS/SWAT
HAZNET: _____ HAZNET
RCRIS-SQG: _____ Resource Conservation and Recovery Information System
RCRIS-LQG: _____ Resource Conservation and Recovery Information System
HMIRS: _____ Hazardous Materials Information Reporting System
PADS: _____ PCB Activity Database System
ERNS: _____ Emergency Response Notification System
FINDS: _____ Facility Index System/Facility Identification Initiative Program Summary Report
TRIS: _____ Toxic Chemical Release Inventory System
TSCA: _____ Toxic Substances Control Act
MLTS: _____ Material Licensing Tracking System
NPL Lien: _____ NPL Liens
CA SLIC: _____ CA SLIC regions.
Ca. BEP: _____ CA Bond Exp. Plan
ROD: _____ ROD
CONSENT: _____ Superfund (CERCLA) Consent Decrees
Ca. WDS: _____ CA WDS
S Bay Reg. 2: _____ South Bay Region 2
Coal Gas: _____ Former Manufactured gas (Coal Gas) Sites.
MINES: _____ Mines Master Index File

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

EXECUTIVE SUMMARY

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

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

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
BYRON SANITARY DISTRICT	CERC-NFRAP, Cal-Sites
BYRON HOT SPRINGS LANDSPREADING	SWF/LF, Ca. WDS
WINDGENERATION LLC	Ca. SL, SWF/LF
AIRPORT RANCH SLUDGE SPREADING	SWF/LF
MARCIEL RANCH LANDSPREADING	SWF/LF
BYRON BETHANY IRR. DIST.	LUST
U S BUREAU OF RECLAMATION	LUST
US BUREAU OF RECLAMATION	LUST
SAN ANTOINE VALLEY RANCH CORP.	UST
TRACY PUMPING PLANT & SUBSTATION	CA SLIC



- Major Roads
- Contour Lines
- Waterways
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Closest Federal Well in quadrant
- Closest State Well in quadrant
- Closest Public Water Supply Well

- (HD) Closest Hydrogeological Data
- Oil, gas or related wells

GET PROPERTY: Phase I ESA
 ADDRESS: Mount Diablo Base + Meridian
 CITY/STATE/ZIP: Livermore CA 94550
 LONG: 37.7973 / 121.6113

CUSTOMER: Harding Lawson Associates
 CONTACT: Tunstall Lang
 INQUIRY #: 0379681.1r
 DATE: June 11, 1999 7:48 pm

GEOCHECK VERSION 2.1 SUMMARY

TARGET PROPERTY COORDINATES

Latitude (North): 37.797298 - 37° 47' 50.3"
 Longitude (West): 121.611298 - 121° 36' 40.7"
 Universal Transverse Mercator: Zone 10
 UTM X (Meters): 622265.0
 UTM Y (Meters): 4184028.5

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2437121-G5 CLIFTON COURT FOREBAY, CA

GEOLOGIC AGE IDENTIFICATION†

Geologic Code: uK
 Era: Mesozoic
 System: Cretaceous
 Series: Upper Cretaceous

ROCK STRATIGRAPHIC UNIT‡

Category: Stratified Sequence

GROUNDWATER FLOW INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, including well data collected on nearby properties, regional groundwater flow information (from deep aquifers), or surface topography.‡

AQUIFLOW™ Search Radius: 2.000 Miles

<u>MAP ID</u>	<u>DISTANCE FROM TP</u>	<u>DIRECTION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported			

General Topographic Gradient at Target Property: General NE
 General Hydrogeologic Gradient at Target Property: No hydrogeologic data available.
 Site-Specific Hydrogeological Data*:
 Search Radius: 2.0 miles
 Status: Not found

FEDERAL DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>	<u>LITHOLOGY</u>	<u>DEPTH TO WATER TABLE</u>
Northern	>2 Miles	Alluvium	Not Reported
Eastern	>2 Miles	Not Reported	Not Reported

STATE DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>
Northern	>2 Miles
Eastern	>2 Miles
Western	1 - 2 Miles

STATE OIL/GAS WELL INFORMATION

<u>API #</u>	<u>DISTANCE FROM TP</u>

NO WELLS FOUND

† Source: P.G. Schruben, R.E. Amot and W.J. Bawiec. Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beaman Map, USGS Digital Data Series DDS-11 (1994)
 ‡ U.S. EPA Ground Water Handbook, Vol. 1: Ground Water and Contamination, Office of Research and Development EPA/625/8-90/016a, Chapter 4, page 78, September 1990
 ** EDR AQUIFLOW™ information System of hydrogeologically determined groundwater flow directions at specific locations. See the data pages at the end of this report for a complete description

GEOCHECK VERSION 2.1 SUMMARY

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

NOTE: PWS System location is not always the same as well location.

PWS Name: BYRON UNION ELEMENTARY SCHOOL
 BYRON UNION ELEMENTARY SCHOOL
 RTE 1 BOX 4
 BYRON, CA 94514

Location Relative to TP: >2 Miles North

PWS currently has or has had major violation(s) or enforcement: Yes

AREA RADON INFORMATION

EPA Radon Zone for ALAMEDA County: 2

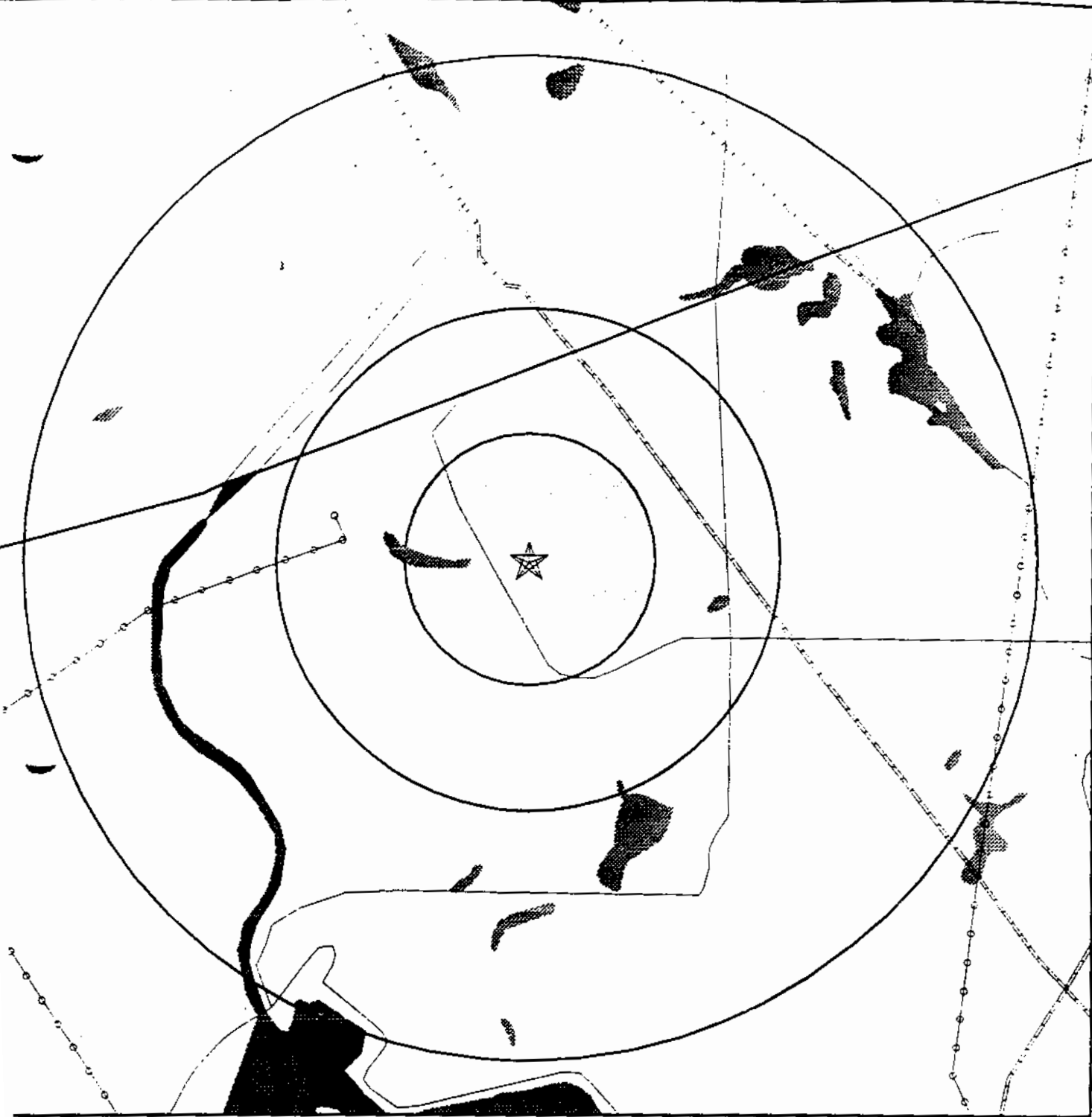
Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Zip Code: 94550






Number of sites tested: 6

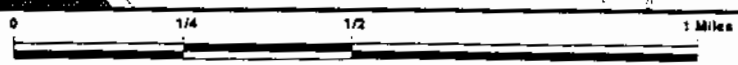
Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.567 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported





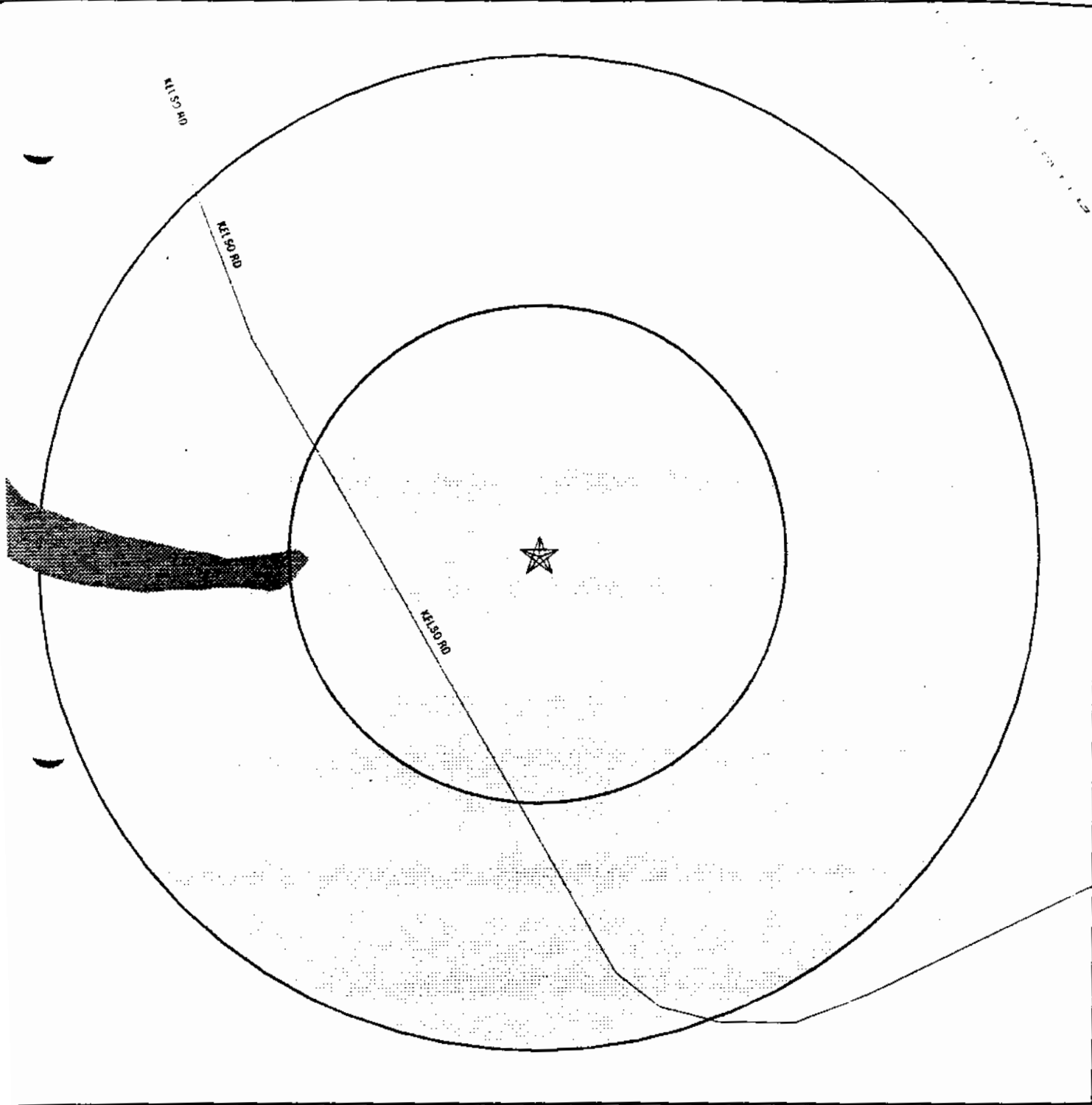
Target Property
 Sites at elevations higher than or equal to the target property
 Sites at elevations lower than the target property
 Coal Gasification Sites (if requested)
 National Priority List Sites
 Landfill Sites

-  Power transmission lines
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone
-  Wetlands per National Wetlands Inventory (1994)

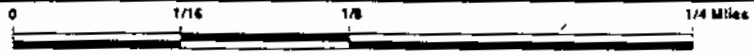


TARGET PROPERTY: Phase I ESA
 ADDRESS: Mount Diablo Base + Meridian
 CITY/STATE/ZIP: Livermore CA 94550
 LONG: 37.7973 / 121.6113

CUSTOMER: Harding Lawson Associates
 CONTACT: Tunstall Lang
 INQUIRY #: 0379681.1r
 DATE: June 11, 1999 7:45 pm



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites (if requested)
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites



- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY: Phase I ESA
ADDRESS: Mount Diablo Base + Meridian
CITY/STATE/ZIP: Livermore CA 94550
EASTING/NORTHING/ELEVATION/UTM/UTM ZONE/UTM PROJECTION: 37.7973 / 121.6113

CUSTOMER: Harding Lawson Associates
CONTACT: Tunstall Lang
INQUIRY #: 0379681.1r
DATE: June 11, 1999 7:47 pm

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL	TP		NR	NR	NR	NR	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
Notify 65		1.000	0	0	0	0	NR	0
CHMIRS		1.000	0	0	0	0	NR	0
Cortese		1.000	0	0	0	0	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
CA FID		0.250	0	0	NR	NR	NR	0
AST	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
HAZNET		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
NPL Liens	TP		NR	NR	NR	NR	NR	0
CA SLIC		0.500	0	0	0	NR	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
South Bay Region 2	TP		NR	NR	NR	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0
MINES		0.250	0	0	NR	NR	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

**MAP FINDINGS SUMMARY SHOWING
ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL	TP		NR	NR	NR	NR	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
Notify 65		1.000	0	0	0	0	NR	0
CHMIRS		1.000	0	0	0	0	NR	0
Cortese		1.000	0	0	0	0	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
CA FID		0.250	0	0	NR	NR	NR	0
AST	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
HAZNET		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
NPL Liens	TP		NR	NR	NR	NR	NR	0
CA SLIC		0.500	0	0	0	NR	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
South Bay Region 2	TP		NR	NR	NR	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0
MINES		0.250	0	0	NR	NR	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft)
Elevation Site

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.

NO SITES FOUND

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
BYRON	S102425946	BYRON BETHANY IRR. DIST.	7995 BRUNS RD	94514	LUST	070072
BYRON	S102002823	BYRON HOT SPRINGS LANDSPREADING	BYRON HOT SPRINGS ROAD	94514	SWF/LF, Ca, WDS	07 AA 0037
BYRON	S102260161	WINDGENERATION LLC	BYRON HOT SPRINGS RD	94514	Ca, SL, SWF/LF	07 AA 0045
BYRON	S103587919	AIRPORT RANCH SLUDGE SPREADING	HOLEY ROAD	94514	SWF/LF	07 AA 0054
BYRON	S102680587	TRACY PUMPING PLANT & SUBSTATION	KELSO / MOUNTAINHOUSE ROADS, BYRON	94514	CA SLIC	
BYRON	S100873197	U S BUREAU OF RECLAMATION	16800 KELSO RD	94514	LUST	
BYRON	S103472183	US BUREAU OF RECLAMATION	16800 KELSO RD	94514	LUST	01 2389
LIVERMORE	S102359662	MARCIEL RANCH LANDSPREADING	JESS RANCH ROAD		SWF/LF	01-AA-0273
LIVERMORE	U001597354	SAN ANTONIO VALLEY RANCH CORP.	STAR ROUTE BOX 53	94550	UST	000000033788
RICHMOND	1000337902	BYRON SANITARY DISTRICT	3288 CAMINO BRABLE RD	94514	CERC-NFRAP, Cal-Sites	07490020

**GEOCHECK VERSION 2.1 ADDENDUM
FEDERAL DATABASE WELL INFORMATION**

Well Closest to Target Property (Northern Quadrant)

BASIC WELL DATA

Site ID:	375106121372201	Distance from TP:	>2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1973	County:	Contra Costa
Altitude:	23.00 ft.	State:	California
Well Depth:	45.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Domestic

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Cenozoic-Quaternary-Pleistocene
Principal Lithology of Unit:	Alluvium
Further Description:	Not Reported

WATER LEVEL VARIABILITY

Not Reported

**GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION**

Well Closest to Target Property (Eastern Quadrant)

BASIC WELL DATA

Site ID:	374713121343401	Distance from TP:	>2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Alameda
Altitude:	88.00 ft.	State:	California
Well Depth:	72.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	Not Reported	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Domestic

LITHOLOGIC DATA

Not Reported

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Wells:

Well Within >2 Miles of Target Property (Northern Quadrant)

Water System Information:

Prime Station Code:	01S/03E-15C01 M	User ID:	07C
FRDS Number Number:	0706024001	County:	Contra Costa
District Number:	37	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	375000.0 1213753.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	0706024		
System Name:	BYRON HOT SPRINGS RESORT		
Organization That Operates System:			
	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

Well Within >2 Miles of Target Property (Eastern Quadrant)

Water System Information:

Prime Station Code:	02S/04E-06L01 M	User ID:	01C
FRDS Number Number:	0105004001	County:	Alameda
District Number:	31	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	374713.0 1213434.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	0105004		
System Name:	MOUNTAIN HOUSE SCHOOL		
Organization That Operates System:			
	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

Well Within 1 - 2 Miles of Target Property (Western Quadrant)

Water System Information:

Prime Station Code:	0110650-001	User ID:	ENG
FRDS Number Number:	0110650001	County:	Alameda
District Number:	04	Station Type:	RIVER/CANAL/INTAKE/SUPPLY
Water Type:	Surface Water	Well Status:	CR
Source Lat/Long:	374800.0 1213800.0	Precision:	1 Mile (One Minute)
Source Name:	SJ RIVER/DELTA MENDOTA CANAL-RAW		
System Number:	0110650		
System Name:	BUREAU OF REC-CVP TRACY PUMPING PLANT		
Organization That Operates System:			
	ROUTE 1 BOX 35		
	BYRON, CA 94514		
Pop Served:	50	Connections:	1
Area Served:	Not Reported		

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS

PWS SUMMARY:

PWS ID:	CA0706029	PWS Status:	Active	Distance from TP:	>2 Miles
Date Initiated:	June / 1977	Date Deactivated:	Not Reported	Dir relative to TP:	North
PWS Name:	BYRON UNION ELEMENTARY SCHOOL BYRON UNION ELEMENTARY SCHOOL RTE 1 BOX 4 BYRON, CA 94514				

Addressee / Facility: System Owner/Responsible Party
BYRON UNION ELEMENTARY SCHOOL
ROUTE 1 BOX
BYRON, CA 94514

Facility Latitude:	37 52 01	Facility Longitude:	121 38 12
City Served:	Not Reported		
Treatment Class:	Untreated	Population Served:	101 - 500 Persons

PWS currently has or has had major violation(s) or enforcement: Yes

VIOLATIONS INFORMATION:

Violation ID:	94V0001	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	07/01/93	Vio. end Date:	12/31/93	Vio. Period:	6 Months
Num of required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Initial Tap Sampling for Pb and Cu				
Contaminant:	LEAD & COPPER RULE				
Vio. Awareness Date:	Not Reported				

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 RECORDS:

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: 04/21/99

Date Made Active at EDR: 06/09/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/14/99

Elapsed ASTM days: 26

Date of Last EDR Contact: 03/03/99

ERNS: Emergency Response Notification System

Source: EPA/NTIS

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: 12/31/98

Date Made Active at EDR: 01/18/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/13/99

Elapsed ASTM days: 5

Date of Last EDR Contact: 01/04/99

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).

Date of Government Version: 05/10/99

Date Made Active at EDR: 06/09/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/12/99

Elapsed ASTM days: 28

Date of Last EDR Contact: 02/08/99

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

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).

Date of Government Version: 04/26/99

Date Made Active at EDR: 06/09/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/14/99

Elapsed ASTM days: 26

Date of Last EDR Contact: 03/31/99

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/99

Date Made Active at EDR: 04/16/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/17/99

Elapsed ASTM days: 30

Date of Last EDR Contact: 03/16/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDERAL NON-ASTM 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: 12/31/95

Database Release Frequency: Biennially

Date of Last EDR Contact: 03/25/99

Date of Next Scheduled EDR Contact: 06/21/99

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: Varies

Database Release Frequency: Varies

Date of Last EDR Contact: Varies

Date of Next Scheduled EDR Contact: N/A

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: 04/01/99

Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/16/99

Date of Next Scheduled EDR Contact: 07/12/99

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

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

Date of Government Version: 12/31/97

Database Release Frequency: Annually

Date of Last EDR Contact: 03/24/99

Date of Next Scheduled EDR Contact: 04/26/99

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: 12/08/98

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/02/99

Date of Next Scheduled EDR Contact: 05/31/99

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

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.

Date of Government Version: 10/15/91

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/22/98

Date of Next Scheduled EDR Contact: 05/24/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

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: 09/22/97

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/05/99

Date of Next Scheduled EDR Contact: 05/17/99

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: 03/15/99

Date of Next Scheduled EDR Contact: 06/14/99

ROD: Records Of Decision

Source: NTIS

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: 01/31/99

Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/99

Date of Next Scheduled EDR Contact: 07/19/99

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

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: 12/31/97

Database Release Frequency: Annually

Date of Last EDR Contact: 04/01/99

Date of Next Scheduled EDR Contact: 06/28/99

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

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: 12/31/94

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 04/26/99

Date of Next Scheduled EDR Contact: 07/26/99

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 08/01/98

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/08/99

Date of Next Scheduled EDR Contact: 07/05/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF CALIFORNIA ASTM RECORDS:

BEP: 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

CAL-SITES (AWP): Annual Workplan

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: 11/04/97
Date Made Active at EDR: 12/20/97
Database Release Frequency: Annually

Date of Data Arrival at EDR: 11/21/97
Elapsed ASTM days: 29
Date of Last EDR Contact: 02/02/99

CAL-SITES (ASPIS): Calsites

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: 01/04/99
Date Made Active at EDR: 03/03/99
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/05/99
Elapsed ASTM days: 26
Date of Last EDR Contact: 12/08/98

CHMIRS: California Hazardous Material Incident Report System

Source: Office of Emergency Services
Telephone: 916-464-3277

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

Date of Government Version: 12/31/94
Date Made Active at EDR: 04/24/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 03/13/95
Elapsed ASTM days: 42
Date of Last EDR Contact: 03/02/99

CORTESE: Cortese

Source: CAL EPA/Office of Emergency Information
Telephone: 916-327-1848

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: 04/01/98
Date Made Active at EDR: 09/23/98
Database Release Frequency: Annually

Date of Data Arrival at EDR: 08/26/98
Elapsed ASTM days: 28
Date of Last EDR Contact: 02/03/99

LUST: Leaking Underground Storage Tank Information System

Source: State Water Resources Control Board
Telephone: 916-445-6532

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

Date of Government Version: 01/31/99
Date Made Active at EDR: 04/02/99
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/05/99
Elapsed ASTM days: 28
Date of Last EDR Contact: 02/08/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NOTIFY 65: Proposition 65

Source: State Water Resources Control Board
Telephone: 916-657-0696

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: 04/26/99

SWF/LF (SWIS): Solid Waste Information System

Source: Integrated Waste Management Board
Telephone: 916-255-4035

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 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/08/99
Date Made Active at EDR: 04/07/99
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/08/99
Elapsed ASTM days: 30
Date of Last EDR Contact: 03/08/99

TOXIC PITS: Toxic Pits

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.

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: 02/08/99

CA UST:

UST: Hazardous Substance Storage Container Database

Source: State Water Resources Control Board
Telephone: 916-227-4408

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: 04/19/99

FID: 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

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: 12/01/98
Date Made Active at EDR: 02/15/99
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/11/99
Elapsed ASTM days: 35
Date of Last EDR Contact: 03/24/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF CALIFORNIA NON-ASTM RECORDS:

AST: Aboveground Petroleum Storage Tank Facilities

Source: State Water Resources Control Board
Telephone: 916-227-4382
Registered Aboveground Storage Tanks.

Date of Government Version: 02/22/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/08/99
Date of Next Scheduled EDR Contact: 05/10/99

HAZMAT: Hazmat Facilities

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

Date of Government Version: 01/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/22/99
Date of Next Scheduled EDR Contact: 05/24/99

HAZNET: Hazardous Waste Information System

Source: California Environmental Protection Agency
Telephone: 916-324-1781

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: 12/31/97
Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/99
Date of Next Scheduled EDR Contact: 07/19/99

SOUTH BAY: South Bay Site Management System

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

Groundwater pollution cases in the Santa Clara Valley where the regulatory lead is the San Francisco Bay Regional Water Quality Control Board.

Date of Government Version: 09/01/96
Database Release Frequency: Annually

Date of Last EDR Contact: 03/15/99
Date of Next Scheduled EDR Contact: 06/14/99

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: 03/01/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/22/99
Date of Next Scheduled EDR Contact: 05/24/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CALIFORNIA COUNTY RECORDS

ALAMEDA COUNTY:

Underground Tanks

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

Date of Government Version: 01/04/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/12/99
Date of Next Scheduled EDR Contact: 05/03/99

Local Oversight Program Listing of UGT Cleanup Sites

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

Date of Government Version: 01/04/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/12/99
Date of Next Scheduled EDR Contact: 05/03/99

CONTRA COSTA COUNTY:

SL: 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: 01/04/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/08/99
Date of Next Scheduled EDR Contact: 06/07/99

KERN COUNTY:

UST: Sites & Tanks Listing

Source: Kern County Environment Health Services Department
Telephone: 805-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 03/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/99
Date of Next Scheduled EDR Contact: 06/07/99

LOS ANGELES COUNTY:

HMS: Street Number List

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

Date of Government Version: 12/31/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/12/99
Date of Next Scheduled EDR Contact: 07/12/99

SWF/LF: List of Solid Waste Facilities

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

Date of Government Version: 09/16/98
Database Release Frequency: Annually

Date of Last EDR Contact: 02/22/99
Date of Next Scheduled EDR Contact: 05/24/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation List

Source: Community Health Services
Telephone: 213-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/23/99
Database Release Frequency: Annually

Date of Last EDR Contact: 02/22/99
Date of Next Scheduled EDR Contact: 05/24/99

MARIN COUNTY:

UST Sites

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 03/01/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/10/99
Date of Next Scheduled EDR Contact: 05/10/99

NAPA COUNTY:

LUST: Sites With Reported Contamination

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

Date of Government Version: 10/27/97
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/22/99
Date of Next Scheduled EDR Contact: 06/21/99

UST: Closed and Operating Underground Storage Tank Sites

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

Date of Government Version: 02/17/98
Database Release Frequency: Annually

Date of Last EDR Contact: 03/22/99
Date of Next Scheduled EDR Contact: 06/21/99

ORANGE COUNTY:

List of Industrial Site Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 01/19/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/99
Date of Next Scheduled EDR Contact: 06/14/99

LUST: 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: 01/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/99
Date of Next Scheduled EDR Contact: 06/14/99

UST: 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: 02/24/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/99
Date of Next Scheduled EDR Contact: 06/14/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PLACER COUNTY:

MS: Master List of Facilities

Source: Placer County Health and Human Services
Telephone: 530-889-7335

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 01/20/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/30/99
Date of Next Scheduled EDR Contact: 06/28/99

RIVERSIDE COUNTY:

LUST: 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: 01/06/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/26/99
Date of Next Scheduled EDR Contact: 07/26/99

UST: Tank List

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

Date of Government Version: 01/06/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/26/99
Date of Next Scheduled EDR Contact: 07/26/99

SACRAMENTO COUNTY:

Toxsite List

Source: Sacramento County Environmental Management
Telephone: 916-875-8450

Date of Government Version: 12/01/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/15/98
Date of Next Scheduled EDR Contact: 05/10/99

ML: Regulatory Compliance Master List

Source: Sacramento County Environmental Management
Telephone: 916-875-8450

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

Date of Government Version: 01/06/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/08/99
Date of Next Scheduled EDR Contact: 08/09/99

SAN BERNARDINO COUNTY:

DEHS Permit System Print-Out By Location

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.

Date of Government Version: 01/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/99
Date of Next Scheduled EDR Contact: 06/14/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN DIEGO COUNTY:

SWF/LF: Solid Waste Facilities

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

Date of Government Version: 07/01/98
Database Release Frequency: Annually

Date of Last EDR Contact: 03/05/99
Date of Next Scheduled EDR Contact: 05/31/99

HMMD: 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: 01/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/12/99
Date of Next Scheduled EDR Contact: 07/12/99

SAN FRANCISCO COUNTY:

LUST: Local Oversight Facilities

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

Date of Government Version: 01/05/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/20/99
Date of Next Scheduled EDR Contact: 07/19/99

Underground Storage Tank Information

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

Date of Government Version: 02/01/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/17/99
Date of Next Scheduled EDR Contact: 05/17/99

SAN MATEO COUNTY:

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.

Date of Government Version: 04/01/98
Database Release Frequency: Annually

Date of Last EDR Contact: 04/20/99
Date of Next Scheduled EDR Contact: 07/19/99

LUST: Fuel Leak List

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

Date of Government Version: 01/14/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/08/99
Date of Next Scheduled EDR Contact: 05/03/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SANTA CLARA COUNTY:

LUST: Fuel Leak Site Activity Report

Source: Santa Clara Valley Water District
Telephone: 408-927-0710

Date of Government Version: 12/01/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/12/99
Date of Next Scheduled EDR Contact: 07/12/99

SOLANO COUNTY:

LUST: Leaking Underground Storage Tanks

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

Date of Government Version: 02/25/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/25/99
Date of Next Scheduled EDR Contact: 06/21/99

UST: Underground Storage Tanks

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

Date of Government Version: 02/17/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/25/99
Date of Next Scheduled EDR Contact: 06/21/99

SONOMA COUNTY:

LUST Sites

Source: Department of Health Services
Telephone: 707-525-6565

Date of Government Version: 02/23/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/08/99
Date of Next Scheduled EDR Contact: 05/03/99

SUTTER COUNTY:

UST: Underground Storage Tanks

Source: Sutter County Department of Agriculture
Telephone: 530-741-7504

Date of Government Version: 01/04/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/12/99
Date of Next Scheduled EDR Contact: 07/12/99

VENTURA COUNTY:

BWT: 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: 02/25/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/98
Date of Next Scheduled EDR Contact: 06/21/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: 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: 02/25/99

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/99

Date of Next Scheduled EDR Contact: 06/21/99

UST: 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: 03/29/99

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/99

Date of Next Scheduled EDR Contact: 06/21/99

SWF/LF: 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: 06/01/97

Database Release Frequency: Annually

Date of Last EDR Contact: 03/02/99

Date of Next Scheduled EDR Contact: 05/31/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 10/14/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/05/99
Date of Next Scheduled EDR Contact: 05/31/99

LUST REG 2: Fuel Leak List

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

Date of Government Version: 01/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/20/99
Date of Next Scheduled EDR Contact: 07/19/99

LUST REG 3: LUSTIS Database

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

Date of Government Version: 02/01/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/23/99
Date of Next Scheduled EDR Contact: 05/24/99

LUST REG 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-266-7544

Date of Government Version: 02/26/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/02/99
Date of Next Scheduled EDR Contact: 05/31/99

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: 01/20/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/12/99
Date of Next Scheduled EDR Contact: 07/12/99

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 12/01/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/23/99
Date of Next Scheduled EDR Contact: 07/12/99

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: 02/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/12/99
Date of Next Scheduled EDR Contact: 07/12/99

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: 03/02/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/02/99
Date of Next Scheduled EDR Contact: 05/31/99

LUST REG 8: (LUSTIS) Leaking Underground Storage Tanks

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

Date of Government Version: 01/19/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/12/99
Date of Next Scheduled EDR Contact: 07/12/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 9: Leaking Underground Storage Tank Report

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 619-467-2952

Date of Government Version: 01/21/99

Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/26/99

Date of Next Scheduled EDR Contact: 07/26/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/14/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/05/99
Date of Next Scheduled EDR Contact: 05/31/99

SLIC REG 2: North and South Bay Slc Report

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: 01/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/20/99
Date of Next Scheduled EDR Contact: 07/19/99

SLIC REG 3: SLIC Data

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: 02/01/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/23/99
Date of Next Scheduled EDR Contact: 05/24/99

SLIC REG 4: SLIC Sites

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: 02/01/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/11/99
Date of Next Scheduled EDR Contact: 05/03/99

SLIC REG 5: SLIC List

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: 10/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/15/99
Date of Next Scheduled EDR Contact: 07/12/99

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: 12/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/12/99
Date of Next Scheduled EDR Contact: 07/12/99

SLIC REG 8: SLIC List

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 10/31/97
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/15/99
Date of Next Scheduled EDR Contact: 07/12/99

SLIC REG 9: WDS NURD List

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 619-467-2980

Date of Government Version: 03/12/99
Database Release Frequency: Annually

Date of Last EDR Contact: 03/12/99
Date of Next Scheduled EDR Contact: 06/07/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Historical and 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.

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.

DELISTED NPL: NPL 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: 04/23/99

Date Made Active at EDR: 06/09/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/12/99

Elapsed ASTM days: 28

Date of Last EDR Contact: 02/08/99

NFRAP: 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.

Date of Government Version: 04/21/99

Date Made Active at EDR: 06/09/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/14/99

Elapsed ASTM days: 26

Date of Last EDR Contact: 03/03/99

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SWDIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Oil/Gas Pipelines/Electrical Transmission Lines: 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 and electrical transmission lines.

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.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

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 March 1997 from the U.S. Fish and Wildlife Service.

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Water Dams: National Inventory of Dams
Source: Federal Emergency Management Agency
Telephone: 202-646-2801
National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

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

California Oil and Gas Well Locations for District 2 and 6
Source: Department of Conservation
Telephone: 916-323-1779

Fax To: Harding Lawson Associates
Contact: Tunstall Lang
Fax : 415-884-3300
Date: 6/11/99

Fax From: Paul Konnik
EDR
Phone: 1-800-352-0050

EDR PUR-IQ™ Report

"the intelligent way to conduct historical research"

for
Phase I ESA
Mount Diablo Base + Meridian
Livermore, CA 94550
Lat./Long. 37.79730 / 121.61130
EDR Inquiry # 0379681.1r

The EDR PUR-IQ report facilitates historical research planning required to complete the Phase I ESA process. The report identifies the *likelihood* of prior use coverage by searching EDR's proprietary historical source(s) database comprising nationwide information on: city directories, fire insurance maps, aerial photographs, historical topographic maps, flood maps and National Wetland Inventory maps.

Potential for EDR Historical (Prior Use) Coverage - Coverage in the following historical information sources may be used as a guide to develop your historical research strategy:

- 1. **City Directory:** Coverage exists for portions of Livermore, CA for the following years: 1967-68, 1989, 1993.
- 2. **Fire Insurance Map:** An online Sanborn Map Search provides site specific coverage information at no charge when ordering the EDR Radius Map via the EDR Web Site.
- 3. **Aerial Photograph:** Coverage exists for portions of Alameda County, CA for the following decades: 1930s, 1940s, 1950s, 1960s, 1970s, 1980s, 1990s.
- 4. **Topographic Map:** The USGS 7.5 min. quad topo sheet(s) associated with this site:
 - Historical: Coverage exists for CLIFTON COURT FOREBAY, CA quad sheet for the following years: 1978
Coverage exists for BYRON HOT SPRINGS, CA quad sheet for the following years: 1953, 1968
 - Current: Target Property: 2437121-G5 Clifton Court Forebay, CA
Additional required for 1 Mile radius: 2437121-G6 Byron Hot Springs, CA
- 5. **Flood Prone Maps :** Coverage is available for Alameda county.

EDR's network of professional researchers, located throughout the United States, accesses the most extensive national collections of city directory, fire insurance maps, aerial photographs and historical topographic map resources available for Livermore, CA. These collections may be located in multiple libraries throughout the country. To insure maximum coverage, EDR will often assign researchers at these multiple locations on your behalf. Please call or fax your EDR representative to authorize a search.



EDR - HISTORICAL SOURCE(S) ORDER FORM

Harding Lawson Associates
Tunstall Lang
Account # 1181999

Phase I ESA
Mount Diablo Base + Meridian
Livermore, CA 94550
Alameda County
Lat./Long. 37.79730 / 121.61130
EDR Inquiry # 0379681.1r

Should you wish to change or add to your order, fax this form to your EDR account executive:

Paul Konnik
Ph: 1-800-352-0050 Fax: 1-800-231-6802

Product	Standard Price**	Standard Turnaround time
___ Historical Topographic Map(s)	ALL AVAIL. YRS \$45/95	3 - 5 BUSINESS DAYS
___ Current Topographic Map(s)*	\$30 EACH	3 - 5 BUSINESS DAYS
___ City Directory Abstract	SEARCH/ABSTRACT \$45/95	3 - 5 BUSINESS DAYS
___ Fire Insurance Map Search/Abstract	SEARCH/ABSTRACT \$45/95	3 - 5 BUSINESS DAYS
___ Sanborn Map Search/Print		
___ a la Carte	SEARCH/PRINT \$45/125	2 - 3 BUSINESS DAYS
___ with Radius map	SEARCH/PRINT \$15/75	2 - 3 BUSINESS DAYS
___ Aerial Photograph Search Summary	\$49	48 HOURS
___ Aerial Photograph Prints (1 photo per decade, where available)		
___ Digital Copies	CA,MI \$145, OTHER \$95	3 - 5 BUSINESS DAYS
___ (CA.CO.DC.FL.GA.IL.IN.MA.MD.MI.MN.NC.NJ.NY.OH.PA.TX.VA)		
___ Oldest Public	\$95	3 - 4 WEEKS
___ Oldest Private	\$95	7 - 10 BUSINESS DAYS
___ Telephone Interviews	\$95	48 HOURS
___ Expanded Telephone Interviews	\$145	3 - 5 BUSINESS DAYS
___ Prior Use Report	\$395	3 - 5 BUSINESS DAYS
___ Prior Use Report with Expanded Telephone Interviews	\$540	3 - 5 BUSINESS DAYS
___ Historical Shopping Center Occupant Report		
___ a la Carte	\$295	5 - 7 BUSINESS DAYS
___ with Radius map	\$245	5 - 7 BUSINESS DAYS
___ Flood Insurance Maps (FEMA)	\$95	3 - 5 BUSINESS DAYS
___ Flood Prone Maps	\$95	3 - 5 BUSINESS DAYS

Shipping:

___ Email (Text Reports/Abstracts)	No charge	
___ Express. Next Day Delivery	\$15	RUSH SERVICE IS AVAILABLE
___ Express. Second Day Delivery	\$10	
___ Express. Next day Delivery	Customer Account	Acct # _____
___ Express. Second Day Delivery	Customer Account	Acct # _____
___ U.S. Mail	\$5	

*May be ordered directly from Map Express at 1-800-627-0039. The cost is \$6.50 each plus shipping.

**Special pricing, depending on volume, may exist for your account.

Thank you.

APPENDIX D

**QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS PARTICIPATING IN
PHASE I ENVIRONMENTAL SITE ASSESSMENT**

Tunstall Lang, Esq.
Regulatory Specialist

Experience

Ms. Lang has 15 years of environmental consulting experience. As an environmental attorney, she is familiar with the requirements of the major environmental statutes, including the Endangered Species Act, the federal Clean Water and Clean Air acts, the federal and California Safe Drinking Water acts, and California's Porter-Cologne Water Quality Control Act. She has co-authored, reviewed, or provided substantive guidance on all types of environmental compliance documents.

She also has a strong background in community relations. Ms. Lang has prepared, reviewed, and consulted on newsletters, brochures, information papers, and displays for the public as well as for technical audiences. Her community relations expertise and experience with Base Closure and Realignment Act (BRAC) facilitate her activities as community co-chairperson for the Hamilton Army Air Field Restoration Advisory Board (RAB), for which she provides liaison between DOD and regulatory agency personnel and other RAB community members.

Ms. Lang has been closely involved in the preparation of remedial investigation/feasibility study (RI/FS) reports, especially the RI/FS report for Fort Ord, California. She has also been involved in BRAC activities at Fort Ord. Additionally, she is knowledgeable in the areas of underground storage tank (UST) management, asbestos and lead-based paint management, and OSHA and Cal OSHA requirements.

Registration

Attorney -- California, 1993, No. 167741

Education

J.D., Empire College School of Law, Santa Rosa, California, 1992
B.A., English, Hollins College, Virginia

**Training and Continuing
Education**

Hazardous Waste Operations and Emergency Response Training
Cardiopulmonary Resuscitation and Emergency Cardiac Care Training
First Aid Training
Environmental Law Institute at Yosemite. The Environmental Law Section of the State Bar of California, October 1992, 1994, and 1996
Alternative Dispute Resolution in Environmental Matters. Orrick, Herrington & Sutcliffe, San Francisco, March 1994
Getting on Board II: Restoration Advisory Board Training Seminar. Career/Pro, a project of the San Francisco Urban Institute for the U.S. Environmental Protection Agency, July 1995
Evolving Perspectives on Groundwater Remediation: Containment Zones, Non-Attainment, and the Lawrence Livermore Report. Barristers Club of San Francisco, March 1996
Brownfield Development. Barristers Club of San Francisco, April 1996
Environmental Law for California Lawyers: Hot Topics and Recent Developments. The Bar Association of San Francisco, May 1996

Environmental Regulation in Newly Developing Asian Countries. Golden Gate University, June 1996
Regional Forum on Military Base Cleanup Technology. U.S. Environmental Protection Agency, Regions 9 and 10, Millbrae, California, September 1996
Meeting the Challenge: Cooperative Solutions for Base Closure Cleanup. University of California Extension, UC Davis, January 1997

Representative Projects

Regulatory and Technical Support, Proposed University of California at San Francisco Mission Bay Campus, San Francisco, California. Provides ongoing support and interpretation of legal and technical documents related to property transfer and development of new UCSF campus on 43 acres of former industrial/warehouse property near San Francisco waterfront. Client: UCSF

Review and Revision of Draft Umbrella Banking Instrument, Clark County Mitigation Bank, Clark County, Nevada. Reviewed and substantially rewrote umbrella banking instrument for the establishment, use, operation, maintenance, and closure of Clark County Wetland Mitigation Bank. Intended instrument signatories included the County, the U.S. Army Corps of Engineers, the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the Natural Resources Conservation Service, and the Nevada Division of Wildlife. Client: Clark County, Nevada

Response to Coastal Commission Appeal, Buena Vista Landfill Soil Stockpile Project, Santa Cruz County, California. Conducted regulatory review and analysis in support of landfill soil stockpile project proposed by County. Project opponent contended that project was inconsistent with the Coastal Zone Act; would adversely impact sensitive biological resources, thus violating Public Resource Code section 30240; and would adversely affect air quality. Client: Santa Cruz County

Site Investigation and Data Review, Solid Waste Management Units, Fort Ord, California -- Evaluated over 70 active and inactive RCRA solid waste management units (SWMUs) at closing military base. SWMUs included former sewage treatment plants, landfills, fire drill burn pits, RCRA-regulated treatment, storage and disposal facilities, waste oil storage tanks, and temporary hazardous waste storage areas at motor pools. Made recommendations regarding closure of units prior to transfer of base parcels under BRAC. Client: U.S. Army Corps of Engineers, Sacramento District

Phase I Environmental Site Assessment, Amy's Kitchen, Santa Rosa, California -- Project manager for Phase I environmental site assessment for manufacturer of frozen vegetarian foods seeking to purchase production facility building that firm had previously leased. Conducted site visit and records review and prepared report in accordance with ASTM E 1527-97 and lender standards. Client: Amy's Kitchen

Phase I ESA for prospective purchaser of 3.8-acre property in Berkeley, CA. Building onsite was formerly a steel storage warehouse but was gutted and completely renovated in the mid-1990s and houses

biotechnology firms. Underground storage tanks and contaminated soil onsite were removed in the 1980s. Although groundwater onsite contains petroleum hydrocarbons and BTEX the site is considered a low priority by regulatory agency. Prudential Real Estate Investors.

Phase I ESA for prospective purchaser of 2.75-acre site improved with 4 buildings constructed between the 1920s and the 1980s and used for laboratory, research, and office space by large biotechnology firm. Property is in redeveloped area of Emeryville, CA, and was previously part of an oil company energy and petrochemical research facility and tank farm prior to building construction in the late 1980s. Previous investigations onsite identified soil and groundwater contamination that will be addressed during future site development, which may include razing the buildings. Prudential Real Estate Investors.

Phase I ESA for prospective purchaser of 30,000-square-foot building leased to biotechnology firm and housing biotechnology laboratories. Property is in redeveloped area of Emeryville, CA, and was previously part of an oil company energy and petrochemical research facility and tank farm prior to building construction in the late 1980s. Prudential Real Estate Investors

Phase 1 ESA for prospective purchaser of three parcels in Santa Rosa, CA, totaling approximately 10 acres. Two parcels in an office park were developed with office buildings in the late 1980s, the other parcel is a retail shopping center across the street constructed in the same timeframe. Previous land use was agricultural. ANDREA Associates.

Phase I ESA for prospective purchaser of four-story office building in downtown Santa Rosa, CA, adjacent to former coal gasification plant site. ANDREA Associates.

Three Phase I ESAs for prospective purchaser of automobile body shop business in San Rafael, CA. One ESA addressed former gasoline service station/brake shop site, one addressed building used as body shop since early 1980s, and one addressed building constructed in late 1980s and used as auto body paint shop. Phase II work recommended for former service station parcel. M2 Collision Centers.

Phase I ESA for prospective purchaser of automobile dealership in Seaside, CA. File review revealed four "case-closed" petroleum UST properties upgradient of site. Sam Linder, Inc.

Phase I Environmental Site Assessment, The Westin Maui, Lahaina, Maui, Hawaii - Wrote environmental site assessment report to meet ASTM E 1527-97 and lender standards and to provide operational information for client decision-making. Conducted telephone interviews with site personnel and aerial photograph and records review. Expanded ESA included sampling of drinking water, suspected asbestos containing materials, and possible lead-based paint in accordance with client-specific scope of work. Client: Starwood Hotels & Resorts Worldwide, Inc., and Westin Hotels & Resorts

Phase I Environmental Site Assessment, Vacant Lot, San Jose, California -- Project manager for Phase I environmental site assessment for potential purchaser and developer of former Christmas tree lot adjacent to interstate freeway. Conducted site visit and records review and prepared report in accordance with ASTM E 1527-97 and lender standards. Client: Imwalle Stegner

Phase I Environmental Site Assessment, 2.85-Acre Vacant Lot, San Jose, California -- Project manager for Phase I environmental site assessment for owner of lot near downtown San Jose. Property had initially been occupied by residences and vehicle maintenance businesses, and subsequently had been used as loading facility by local canneries. Conducted site visit and records review and prepared report in accordance with ASTM E 1527-97 and lender standards. Client: Confidential

Phase I Environmental Site Assessment, Two 40-Acre Parcels, Napa County, California -- Project manager for Phase I environmental site assessment conducted for potential purchaser of two undeveloped 40-acre parcels in accordance with ASTM E 1527-97. Client: Glendale Ranch Vineyards

Underground Storage Tank Management Plan Update, Former Fort Ord and Presidio of Monterey, Monterey County, California -- Researched and wrote report summarizing information on the removal, investigation, and closure of 274 USTs identified at former Fort Ord and Presidio of Monterey in original UST management plan, prepared in 1991. In accordance with federal and state regulations, all USTs installed before January 1, 1984, must be removed or closed in place, upgraded, or replaced by December 22, 1998. USTs at these bases were removed or, in some cases, closed in place, in compliance with these regulations. Following confirmation sampling or investigation and cleanup, most UST sites have been granted closure by Monterey County Department of Health. Client: U.S. Army Corps of Engineers, Sacramento District

Program Health and Safety Plan (HASP), Engineering and Environmental Investigation Services, Former Fort Ord, Fort Hunter Liggett, and Presidio of Monterey, Monterey County, California -- Prepared programmatic HASP in accordance with U.S. Army Corps of Engineers requirements and guidelines for all work to be performed by HLA and its subcontractors at above-referenced facilities. Client: U.S. Army Corps of Engineers, Sacramento District

Site Investigation, Building 509, Fritzsche Army Airfield, Fort Ord, Monterey County, California -- Prepared report summarizing results of previous underground storage tank removal and interim removal action activities and more recent trenching investigation conducted at former fueling facility to characterize lateral and vertical extent of petroleum hydrocarbon contamination. Report included results of vadose zone leaching and groundwater mixing computer modeling and screening risk evaluation. Project was particularly complex because UST and interim action cleanup criteria were both applicable to contaminated area. Client: U.S. Army Corps of Engineers, Sacramento District

Wipe Sampling for Lead in Dust, Capehart Housing, Former Hamilton Army Airfield, Marin County, California -- Conducted wipe sampling for lead in dust in 60 vacant former military housing units at closed military base prior to transfer of housing to City of Novato. Wrote report. Client: City of Novato, California

Public Participation Plan, Proposed Office Park, San Rafael, California -- Prepared public participation plan to address public's environmental and health and safety concerns related to development of office park on former gasification plant waste disposal site in downtown San Rafael. Soil and groundwater onsite contain polynuclear aromatic hydrocarbons and volatile organic compounds. Groundwater extraction and treatment system has been in operation on part of site since 1986. Client: Fair, Isaac and Company, Inc.

Health and Safety Plan, Proposed Office Park, San Rafael, California -- Prepared health and safety plan for site remediation and construction operations related to construction of proposed five-building office park on former gasification plant waste disposal site in downtown San Rafael. Soil and groundwater onsite contain polynuclear aromatic hydrocarbons and volatile organic compounds. Groundwater extraction and treatment system has been in operation on part of site since 1986. Client: Village Properties

Health, Safety, and Work Plan, Cypress Freeway Realignment, Bobo's Junkyard, Oakland, California -- Prepared health, safety, and work plan for driving piles and installing footings at three bents and one abutment along alignment of freeway being constructed to replace Cypress Freeway destroyed in 1989 Loma Prieta earthquake. Soil and groundwater at one bent were contaminated with vinyl chloride. Work plan for air monitoring was particularly complex and addressed sensitive issues related to DTSC concerns and community fears regarding potential exposures to vinyl chloride vapors. Received spot bonus for work on project. Client: Performance Excavators

Public Participation Plan, Former Circuit Board Manufacturing Facility, Santa Rosa, California -- Prepared Public Participation Plan and ancillary deliverables to inform local residents and businesses of planned investigative and remedial activities at former manufacturing facility. Work involved regulatory agency liaison, interviews with local residents and officials, preparation of fact sheets, and public meeting agenda and handouts. Client: Clayton, Carrillo, Carston Cleanup Fund

Public Participation Plan, Chemical Packaging and Distribution Facility, Los Angeles, California -- Prepared Public Participation Plan for facility conducting RCRA Facility Investigation and implementing Corrective Action Program under Corrective Action Consent Agreement with Cal/EPA Department of Toxic Substances Control (DTSC). Client: Confidential

Public Participation Activities, Chemical Packaging and Distribution Facility, Los Angeles, California -- Designed, wrote, and produced information sheets and posters in Spanish and English for neighborhood open house to explain proposed offsite investigation activities to local residents and other concerned citizens and citizen groups. Work proposed

was part of RCRA Facility Investigation and Corrective Action Program being conducted under client's Consent Agreement with DTSC. Client: Confidential

Environmental Impact Study, Geothermal Concession Area, El Najo-Santa Isabel, Telica, Department of León, Nicaragua -- Researched and wrote hydrology, hydrogeology, and biology sections of EIS for planned geothermal exploration in western Nicaragua. Client: UNOCAL

Health, Safety and Work Plan, Bay Street Extension, Emeryville, California -- Wrote health, safety, and work plan for roadway construction project in commercial area near Emery Bay Public Market. Project involved removal and disposal of old pavement and petroleum-contaminated soil and construction of new roadway and associated improvements. Client: Performance Excavators

Health and Safety Plan, Rowland Boulevard Park and Ride, Novato, California -- Wrote health and safety plan for activities related to construction of commuter park and ride lot adjacent to U.S. Highway 101. Client: Performance Excavators

Report of Waste Discharge, Report of Disposal Site Information, and Closure/Postclosure Maintenance Plan, Redwood Landfill, Marin County, California -- Managed completion and production of required landfill planning documents in support of permit application. Client: Redwood Landfill.

**Janet Peters, R.G.
Principal Geologist**

Experience

Ms. Peters has 12 years of experience as a project manager and geologist for a wide variety of private and government projects, including work at state and federal Superfund sites, municipal landfills, Resource Conservation and Recovery Act (RCRA) sites, and other remedial investigation sites. She has conducted hydrogeologic studies in a range of geologic settings and has been involved with and managed contaminant hydrogeology and soil and groundwater remediation projects. In addition, she has provided technical guidance and management for multidisciplinary project teams that have included hydrogeologists, hydrologists, engineers, industrial hygienists, and air quality specialists. Ms. Peters has conducted large-scale hydrogeologic site characterizations and solid waste assessment tests (SWATs) for landfills and has been involved with leachate quantification, migration, and management studies and the preparation of reports of waste discharge, reports of disposal site information, and other supporting documents.

Ms. Peters routinely provides technical quality control during project development, implementation, and report preparation. She negotiates frequently with regulatory agencies on behalf of clients and has broad knowledge of federal, state, and local environmental regulations. Her additional responsibilities include managing staff, providing technical guidance and leadership, and business development.

**Registration and
Certification**

Registered Geologist - California, No. 5544
Certified Professional Geologist - Indiana, No. 1089

Training

HLA Project Management Training
Hazardous waste operations and emergency response training
Eight-hour hazardous materials supervisory course

Education

M.S., Geology, Indiana University, Bloomington, 1985
B.S., Magna Cum Laude, Geology, Eastern Illinois University, Charleston,
1982

Awards

Dick Harding Technical Excellence Award for development of accelerated remedial investigation plan that streamlined the RI/FS process at Fort Ord, a 28,000-acre former military base in Monterey County, California. RI/FS process was completed in 3 years to meet congressionally mandated deadline.

Representative Projects

Former PG&E manufactured gas plant, northern California - Project Manager for the development of a 12-acre former coal gasification plant contaminated with polycyclic aromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs). The site is slated to be a corporate campus for a large, national software company. Tasks include site characterization activities, risk assessment, remedial action design and construction, construction health and safety plans, air monitoring during construction, community relations, preparation of portions of the environmental impact report, groundwater modeling and extraction system effectiveness evaluation and design, geotechnical analysis, and horticultural suitability analyses. Remedial action activities include excavation of the contaminated soil with onsite entombment and capping; groundwater will continue to be remediated using a slurry wall and a series of extraction trenches and wells. Client: Fair Isaac, Incorporated

Former circuit-board manufacturing site, Santa Rosa, California - Project Manager for remedial investigation and remedial action activities. The Preliminary Endangerment Assessment included intrusive activities, soil and groundwater sampling, utility vault sampling, development of a conceptual site hydrologic model, a human health screening evaluation, ecological screening, community profiling and communication, and reporting. Work was completed under tight legal schedule demands which allowed the project to be accepted into the California Department of Toxic Substances Control's (DTSC) newly formed Expedited Remedial Action Program (ERAP) and to qualify for orphan shares from the state. Current ERAP activities include conducting remedial investigation activities in the shallow and deep aquifer zones to define the lateral and vertical extent of contamination and to continue to refine the conceptual hydrogeologic model, development of site-specific target cleanup levels (TCLs) and subsequent remedial action for the onsite soil, and development of a full-scale community relations program. Client: Clayton, Carrillo, Carston Cleanup Fund.

Active chemical distribution facility, Bonnie Beach, Los Angeles, California - Project Manager for a 9-acre RCRA site located in a mixed industrial and residential area. Several phases of subsurface investigations show that solvents, including 1,4-dioxane, perchloroethylene (PCE), 1,1,1-trichloroethane (TCA), trichloroethene (TCE), and 1,1-dichloroethene (1,1-DCE), have migrated beneath an underground storage tank farm to depths as great as 110 feet. Currently, an interim remedial measure (IRM) is being implemented at the site using large scale soil vapor extraction and treatment with catalytic oxidation. The IRM will allow for safe and cost-effective removal of the underground storage tanks to comply with the federally mandated date of July 1998. Other activities include several phases of soil boring and sampling programs, soil vapor sampling, groundwater characterization, basin characterization, flux chamber sampling, and conducting a risk assessment. In addition, a community relations program including preparation of a public participation plan, fact sheets; and conducting public meeting, open houses, and neighborhood interviews, was implemented. Client: Univar Corporation

950-acre Superfund site, Hunters Point Annex, San Francisco, California - Provided project management, technical oversight, and negotiations with state and federal regulatory agencies relative to implementation of remedial investigations, feasibility studies, and public health and environmental evaluations. Ms. Peters developed approaches to accelerate cleanup and reuse of facility, presentations to community and Restoration Advisory Board, and ideas for involving community members in site cleanup. Studies were conducted at over 100 sites ranging from fuel storage lines to a pickling and plating yard. Project has included collection and analysis of soil and groundwater samples, soil gas and geophysical surveys, air sampling, dense nonaqueous phase liquid (DNAPL) investigations, a large-scale aquifer testing program, stormwater and sanitary sewer investigations, and a vertical profile HydroPunch™ program. Client: PRC Environmental Management, Inc., as prime contractor for the U.S. Navy under the Navy CLEAN Program

Chemical distribution facility, northern California - Provided technical oversight and quality control review for RCRA facility investigation and corrective measures study for large site with significant soil and groundwater contamination. Contaminants include organohalides, ketones, alcohols, and glycols. Interim remedial action implemented onsite consists of a multi-well soil vapor extraction operation. Client: Confidential

Former petroleum bulk distribution facility, Monterey County, California - Served as project manager for remedial investigation and remedial action plan. Project included characterization of soil and groundwater, development and screening of remedial action alternatives, risk assessment, and negotiation with state and county representatives. Project was executed within accelerated time frame to allow California Coastal Conservancy to purchase a portion of the property while funding was available. Client: Borg Warner Corporation

Nursery site, Alameda County, California - Was project manager for site characterization and feasibility study for site contaminated with DDT and hydrocarbons. Investigations included surface soil sampling for DDT and related compounds and soil and groundwater sampling for hydrocarbons. Responsible for data analysis, development of target cleanup levels, development and screening of remedial action alternatives, oversight of risk assessment activities, design of groundwater extraction system, and preparation of remedial action plan to meet California EPA and local regulatory agency requirements. Client: Confidential

Solvent-contaminated site, California - Was project manager for remedial investigation, agency reporting, and implementation of remedial action. Site investigation included boring programs, soil and groundwater sampling, well installation, soil vapor extraction pilot studies, and aquifer testing. Client: Confidential

Groundwater protection studies, California - Was responsible for evaluation of remedial alternatives for hydrocarbon spills; preparation of budget and proposals for hydraulic control systems, soil venting systems, and other field

projects, design and installation of monitoring and recovery wells and evaluation of recovery systems, design of computer simulation of groundwater capture, analysis and management of water-level and chemistry data, and design, performance, and evaluation of aquifer tests and soil vapor extraction pilot studies. Client: Confidential

Remedial predesign investigation, California - Was task manager for large-scale hydrogeologic site characterization and remedial predesign investigation for shallow aquifer restoration. Developed work plans and cost estimates for predesign field investigations and data evaluation. Field investigation activities included large-scale boring programs with soil and groundwater sampling, piezometer installations, and aquifer testing. Site characterization included comprehensive evaluation of geologic, hydrogeologic, and subsurface chemical data, culminating in preliminary design recommendations for groundwater and soil vapor extraction system. Client: Confidential

Hydraulic control pilot study, California - Assisted in development and implementation of 10-day pilot test designed to evaluate hydraulic control of dissolved and free-phase petroleum hydrocarbons in fine-grained sediments of low transmissivity. Test results were analyzed to estimate aquifer hydraulic properties, evaluate effects of groundwater extraction in free-phase and dissolved hydrocarbon migration, and develop remedial action recommendations. Client: Confidential

Site characterization program, Oakland, California - Was responsible for site characterization, including well installation and sampling, aquifer testing, data analysis, and report preparation. Client: City of Oakland

Landfill Experience

600-ton-per-day Class II and III landfill, Novato, California - Was project manager and project hydrogeologist responsible for preparation of Report of Waste Discharge, Report of Disposal Site Information, and supporting documents; negotiations with regulatory agencies; and administrative oversight. Managed leachate characterization and migration investigations, groundwater modeling studies, and data analysis; investigation of magnitude and extent of leachate mounding; excavation and design of interior and exterior leachate extraction systems; design and installation of new groundwater monitoring network to achieve compliance with Title 23, California Code of Regulations, Chapter 15; and development of a conceptual model of site hydrogeology to substantiate monitoring network and develop release scenarios and related financial assurance cost estimates. Client: Redwood Landfill, Inc.

Landfill, northern California - Was project manager for landfill investigation requiring characterization and remediation. Proposed residential development site contaminated with heavy metals was characterized under SWAT and Chapter 15 guidelines. Was involved with site characterization investigation

and design of closure plan and postclosure monitoring plan. Project also involved extensive regulatory interaction. Client: Confidential

Landfill, northern California - Served as project manager for large-scale hydrogeologic and chemical assessment of landfill site. Investigations included well installation and cone penetrometer testing programs, aquifer testing, tidal studies, detailed geologic evaluation, leachate and groundwater quality determination, a SWAT program, and report preparation. Designed perimeter monitoring network and prepared leachate management plan including design of leachate dewatering system. Client: Confidential

Acme Landfill, Contra Costa County, California - Was involved in large-scale assessment to characterize landfill's hydrogeologic system. Responsibilities included oversight of exploratory boring and well installation programs and chemical analysis activities, management of aquifer testing program, and preparation of comprehensive report integrating data from all aspects of investigation. Client: Acme Fill Corporation

Small incinerator ash landfill, Merced County, California - As project manager, was responsible for designing soil boring and groundwater monitoring program for landfill contaminated with heavy metals. Also was involved in regulatory agency interaction to expedite closure of site to enable proposed development. Client: National Park Service

Burlingame Landfill, San Mateo County, California - Served as quality control manager responsible for technical QC of water quality monitoring program developed to comply with SWAT and Chapter 15 requirements. Program was approved by regulatory agencies. Client: Burlingame Landfill

Private landfill, Kern County, California - Was project manager for SWAT program that evaluated whether hazardous chemicals had migrated from landfill into soil or groundwater. Contaminants included VOCs and heavy metals. Investigation involved design and monitoring of vadose zone lysimeters, groundwater monitoring wells, and surface water stations. Client: Confidential

Landfill site, Fort Ord, California - Served as task manager for interim remedial measures at landfill site. Responsibilities included preparation of destruction plan for 10 water supply wells and associated underground fuel storage tanks. Responsibilities also included supervision of field crews, regulatory compliance, development of closure/postclosure monitoring plans, and report generation. Client: U.S. Army Corps of Engineers, Sacramento District

Memberships

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Proposed Burrowing Owl Mitigation Site
Alameda County, California

July 14, 1999

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