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HAZMAT



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January 14, 1994

Chevron U.S.A. Products Company

2410 Camino Ramon
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing Department

Phone 510 842 9500

Ms. Eva Chu
Alameda County Environmental Health
80 Swan Way, Rm 200
Oakland, CA 94621

Re: Former Chevron Service Station No. 9-1723
98th & San Leandro Str., Oakland, California

Dear Ms. Chu :

Monitoring wells MW-5, MW-6, and MW-8 were redeveloped, resurveyed, and sampled. Results from the resampling show varying levels of dissolved hydrocarbons in all wells. However, lead was not detected in any of the wells. Based on the new potentiometric surface elevations, groundwater is moving in the westerly direction. The well caps and locks were replaced. Since the well caps were replaced, there is a possibility that surface water with contaminants may have entered the well.

Groundwater Technology at the request of Chevron performed an off-site source investigation. According to their report, there are several off-site sources.

Chevron will select a consultant to monitor and sample the wells on a quarterly basis.

Please refer to the enclosed report from Groundwater Technology, Inc. dated January 4, 1994 for additional information. If you have any questions or comments, please feel free to contact me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

A handwritten signature in black ink, appearing to read "Kenneth Kan".

Kenneth Kan
Engineer

LKAN/MacFile 9-1723R2

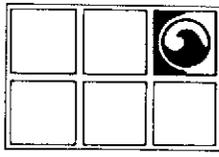
Enclosure

cc: Mr. Ron Hothem, Pacific American Management Co.
369 Broadway, San Francisco, CA 94133

Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
2101 Webster Str., Suite 500, Oakland, CA 94612

Ms. Bette Owen, Chevron U.S.A. Products Co.

JAN 13 94 J.M.M.



GROUNDWATER TECHNOLOGY, INC.

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387

FAX: (415) 685-9148

January 4, 1994

Project No. 020204951

Mr. Kenneth Kan
Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583-0804

SUBJECT: *Environmental Investigation Report*
Former Chevron Service Station No. 9-1723
9757 San Leandro Boulevard
Oakland, California

Dear Mr. Kan:

At the request of Chevron U.S.A. Products Company (Chevron), Groundwater Technology, Inc. conducted an environmental investigation of the Chevron Service Station No. 9-1723. The purpose of the investigation was to develop, monitor and sample three groundwater monitoring wells, perform an off-site source investigation, adjacent well location survey, professionally survey the site and prepare this report. The enclosed *Environmental Investigation Report*, dated January 4, 1994, presents the results of the environmental investigation. The activities conducted are briefly summarized below:

- On October 20 and 27, 1993, Groundwater Technology developed monitoring wells MW-5, MW-6, and MW-8 and secured monitoring wells MW-1 MW-2, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-10 with compression caps and Chevron locks.
- On November 2, 1993, Groundwater Technology purged and sampled monitoring wells MW-5, MW-6, and MW-8. The groundwater samples collected were analyzed for concentrations of total petroleum hydrocarbons-as-gasoline (TPH-G), benzene, toluene, ethylbenzene, xylenes (BTEX), and dissolved organic lead.
- A report of the locations of listed underground storage tanks was prepared by Vista Environmental Information, Inc.
- Well logs on record and a location map was prepared by the County of Alameda Public Works Agency.

4951R013.020

Chevron, 2410 Camino Ramon, San Ramon, CA
Mr. Kenneth Kan

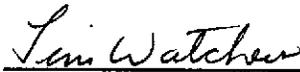
January 4, 1994
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CONCLUSIONS

The objective of the *Scope of Work for Environmental Investigation*, Former Chevron Service Station 9-1723, 9757 San Leandro Boulevard in Oakland, California, was to develop and sample monitoring wells MW-5, MW-6, and MW-8, monitor wells at the site, perform an off-site source investigation, conduct a well location survey, and a well elevation survey. Groundwater Technology met the objectives of scope of work. The results of the work performed are documented in the enclosed report.

If you have any questions or comments regarding the environmental investigation report, please contact our Concord office at (510) 671-2387.

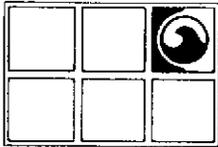
Sincerely,
Groundwater Technology, Inc.



Tim Watchers
Project Geologist

PR 

Enclosure



**GROUNDWATER
TECHNOLOGY, INC.**

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387

FAX: (415) 685-9148

**ENVIRONMENTAL INVESTIGATION REPORT
FORMER CHEVRON SERVICE STATION NO. 9-1723
9757 SAN LEANDRO BOULEVARD
OAKLAND, CALIFORNIA**

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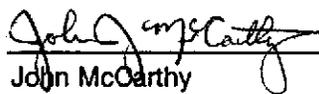
JANUARY 4, 1994

Prepared for:
Mr. Kenneth Kan
Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, California 94583-0804

Groundwater Technology, Inc.
Written/Submitted by



Tim Watchers
Project Geologist

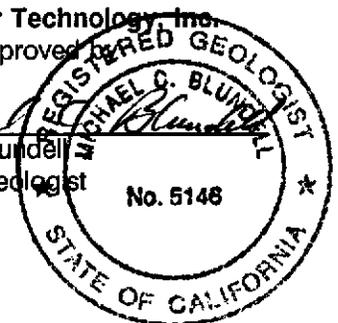


John McCarthy
Project Manager

Groundwater Technology, Inc.
Reviewed/Approved by



Michael C. Blundell
Registered Geologist
No. 5146



For:
Wendell W. Lattz
Vice President, General Manager
West Region

4951R013.020

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APPENDIX D LABORATORY REPORTS AND CHAIN-OF-CUSTODY RECORDS

**ENVIRONMENTAL INVESTIGATION REPORT
FORMER CHEVRON SERVICE STATION NO. 9-1723
9757 SAN LEANDRO BOULEVARD
OAKLAND, CALIFORNIA**

JANUARY 4, 1994

1.0 INTRODUCTION

This report summarizes the environmental investigation work conducted by Groundwater Technology, Inc. at Chevron U.S.A. Products Company (Chevron) Former Service Station No. 9-1723 located at 9757 San Leandro Boulevard in Oakland, California (Figure 1). A *Scope of Work for Environmental Investigation* was received by Groundwater Technology on October 14, 1993, from Mr. Kenneth Kan of Chevron. A confirmation letter confirming the scope of work was returned to Chevron on October 18, 1993. The confirmation of the scope of work was presented to and was acceptable to Ms. Eva Chu of the Alameda County Health Care Services. The acceptance of the scope of work is documented in a letter from Ms. Chu dated October 20, 1993 (Chevron, October 20, 1993). The objective of this work was to monitor and secure the wells, collect water samples, survey well elevations, perform a off-site source investigation, provide well location data for a 1.5-mile radius, and prepare this report. The environmental investigation was performed during October and November 1993.

2.0 BACKGROUND

The site is located in Alameda County, Oakland, California, on the southwest corner of 98th Avenue and San Leandro Street (Figure 2). Bay Area Rapid Transit (BART) tracks and railroad tracks are located immediately north of San Leandro Street. Fleischmann's Yeast and another commercial factory are located north of the BART and railroad tracks. A vacant lot is located east of the site. Currently, the site is developed as Hi-Tech Auto Body. The surface elevation at the site is approximately 20 feet above mean sea level. San Leandro Creek which flows into San Leandro Bay is approximately 1 mile west of the site.

The site is located on the Bay Plain in West Alameda County, which is separated from the bedrock of the East Bay hills by the Hayward Fault. The older undivided bedrock units of the East Bay hills above the city of San Leandro are Pliocene-Pleistocene to late Pleistocene in age. The sediments of the Bay Plain are derived from the East Bay hills. Groundwater in these sediments can be either confined or unconfined. The major groundwater-producing area in the East Bay region of Alameda County is the Bay Plain. Regional groundwater flow is generally west toward San Francisco Bay (Alameda County Flood Control and Water Conservation District, June 1988).

3.0 WORK SCOPE

3.1 Site-Specific Health and Safety Plan

Groundwater Technology prepared a site-specific *Health and Safety Plan* required by the Occupational Health and Safety Administration Standard Hazardous Waste Operations and Emergency Response guidelines (29 CFR 1910.120). The site-specific *Health and Safety Plan* was prepared after a review of site conditions and existing available site-specific health and safety plans for the site. The *Health and Safety Plan* was reviewed and signed by Groundwater Technology personnel and subcontractors before beginning work at the site.

Groundwater Technology personnel reviewed site history and information with Chevron representatives before beginning work at the site. Permission to gain access to the property was granted by Mr. Ron Hothom, the current owner, on October 15, 1993. Arrangements were made with the current tenants for property entry and access to the monitoring wells.

3.2 Well Location Survey

Groundwater Technology contacted the County of Alameda Public Works Agency on October 15, 1993, for a list of registered wells and location map for a 0.5-mile radius of the former Chevron Service Station located at 9757 San Leandro Boulevard.

3.3 Off-Site Source Investigation

Groundwater Technology requested a data base search of records of governmental agencies on the local, state and federal levels through Vista. Vista is an information service able to access agency record files through zip codes and addresses. The agencies Vista contacted include the United States Environmental Protection Agency (EPA), California EPA, California Waste Management Board, and the California Regional Resources Board.

3.4 Monitoring Well Development

On October 20, 1993, monitoring wells MW-6 and MW-8 were developed by surging and bailing groundwater using a PVC bailer. On October 27, monitoring well MW-5 was developed using a submersible pump. Well development promotes a uniform sand filter pack, removes fine-grain sediments from the well screen and filter pack, and improves the hydraulic communication between the well and aquifer. Approximately 4 well volumes of water were removed from monitoring wells MW-6 and MW-8 during development activities. Approximately 10 well volumes of water were removed from monitoring well MW-5 during development activities. The purge water from monitoring wells MW-5, MW-6, and MW-8 was silty and gray in color. The monitoring well caps and locks were replaced on monitoring wells MW-5, MW-6, and MW-8.

3.5 Groundwater Monitoring

On November 24, 1993, monitoring wells MW-1, MW-2, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-10 were monitored to measure the depth to groundwater and the thickness of separate-phase hydrocarbons, if present. The water levels were measured using an ORS Environmental Equipment INTERFACE PROBE™ Well Monitoring System, which consists of a dual optical sensor and electrical conductivity probe that distinguishes between water and petroleum products. Separate-phase hydrocarbons were not detected in the monitoring wells. The groundwater monitoring wells were secured with compression caps and locks provided by Chevron.

3.6 Groundwater Sampling

On November 2, 1993, groundwater monitoring wells MW-5, MW-6, and MW-8 were purged and groundwater samples were collected. Approximately 3 to 4 well-casing volumes of water were purged from each well before groundwater samples were collected. Immediately before a water sample was collected, a distilled-water rinsate blank was collected from the Teflon™ sampler as a quality control check on the cleanliness of the sampler. A trip/laboratory blank was also prepared for quality control. Each sample was acidified, labeled, placed on ice in an insulated container, and delivered to a California-certified laboratory. The samples were accompanied by a chain-of-custody record during transport. The samples were analyzed for BTEX and TPH-G using EPA Methods 5030/8020 and modified EPA Method 8015. Additional samples collected from monitoring wells MW-5, MW-6, and MW-8 were also analyzed for dissolved organic lead using Luft Manual protocols. Water generated during the purging and sampling process was transported for recycling to the Chevron Refinery in Richmond, California.

4.0 SITE CONDITIONS

4.1 Well Location Survey

Groundwater Technology received from the County of Alameda Public Works Agency a list of wells and a well location map. Based upon the information provided by the Public Works Agency there are approximately 80 wells within a 0.5-mile radius. The report also states there are five monitoring wells drilled during 1990, approximately 30 feet deep, located north across San Leandro Street at Fleischmann's Yeast. The well location map and the list of wells provided by the Alameda Public Works Agency is presented in Appendix B.

4.2 Off-Site Source Investigation

An off-site source investigation performed by Vista provided information of the location of leaking underground storage tanks (LUSTs) within a 0.5 mile radius of the site. Fleischmann's Yeast leak is reported as diesel. The location map prepared by Vista showed the City of Oakland facility located at 9801 San Leandro Boulevard as having a LUST. The leak is reported as miscellaneous vehicle fuel. The Vista California Radius Detailed Report that includes the site location map and lists of sites obtained from the sources used by Vista is presented in Appendix C.

4.3 Hydrogeology

Groundwater levels measured on November 24, 1993, ranged from 10.02 feet below grade in monitoring well MW-9 to 10.78 feet below grade in monitoring well MW-6. The professional well elevation survey conducted on October 27, 1993, and the depth to water measurements collected on November 24, 1993, were used to prepare a potentiometric surface map (Figure 3). Figure 3 indicates a westerly groundwater flow direction with a gradient of 0.002 foot per foot (ft/ft). Groundwater elevation data are presented in Table 2.

4.4 Analytical Results of Groundwater Samples

Analytical results of groundwater samples collected from monitoring wells MW-5, MW-6, and MW-8 on November 2, 1993, TPH-G concentrations at 790 parts per billion (ppb), 300 ppb and 15,000 ppb, respectively. Analytical results of groundwater samples collected from monitoring wells MW-5, MW-6, and MW-8 reported benzene concentrations at 43 ppb, 19 ppb and 2,000 ppb, respectively. Analytical results of samples collected from monitoring wells MW-5, MW-6 and MW-8 reported organic lead concentrations below the method detection limit of 4 parts per million. A summary of groundwater sample analytical results is presented in Table 2. Copies of the laboratory reports are included in Appendix D.

5.0 SUMMARY

- On October 20 and 27, 1993, Groundwater Technology developed monitoring wells MW-5, MW-6 and MW-8.
- On November 2, 1993, Groundwater Technology sampled monitoring wells MW-5, MW-6, and MW-8.
- Analytical results of groundwater samples collected from monitoring wells MW-5 MW-6 and MW-8 on November 2, 1993, reported TPH-G concentrations of 790 ppb, 300 ppb and 15,000 ppb, respectively. Analytical results of samples collected from monitoring wells MW-5, MW-6, and MW-8 reported benzene concentrations of 43 ppb, 19 ppb and 2,000 ppb, respectively. Analytical results of samples collected from monitoring wells MW-5, MW-6 and MW-8 for organic lead reported concentrations below the method detection limit (MDL).
- On November 24, 1993, groundwater levels were measured in each of the monitoring wells at the site. The depth to water ranged from 10.02 to 10.78 feet below grade. Analysis of the monitoring data indicated a groundwater flow direction toward the west with a gradient of 0.002 ft/ft.

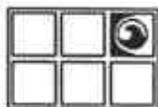
6.0 REFERENCES

Alameda County Flood Control and Water Conservation District; June 1988; *Geohydrology and Groundwater--Quality Overview, East Bay Plain Area, Alameda County, California, 205(J) Report.*

Chevron; October 20, 1993; Correspondence to Mr. Kenneth Kan from Ms. Eva Chu of the Alameda County Health Care Services.

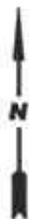
FIGURES

- Figure 1 Site Location Map
- Figure 2 Site Plan
- Figure 3 Potentiometric Surface Map (11/24/93)



**GROUNDWATER
TECHNOLOGY**

SOURCE: U.S.G.S. 7.5" QUAD SHEET
SAN LEANDRO, CALIFORNIA
PHOTOREVISED 1980



SCALE:

0 FEET 2000

SITE LOCATION MAP

CLIENT:

**CHEVRON U.S.A. PRODUCTS CO.
SERVICE STATION No. 9-1723**

DATE:

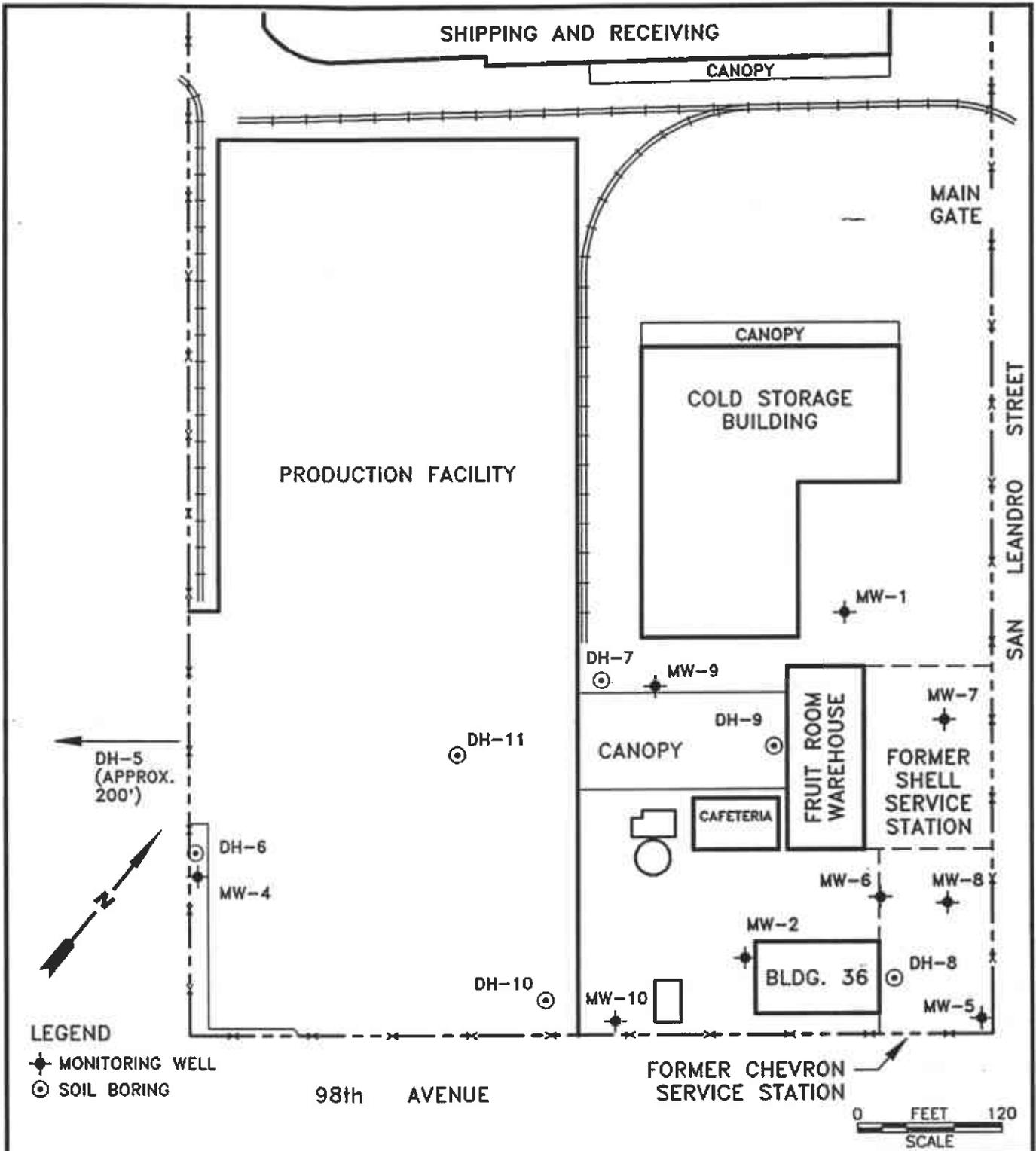
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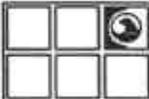
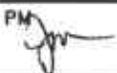
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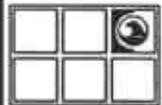
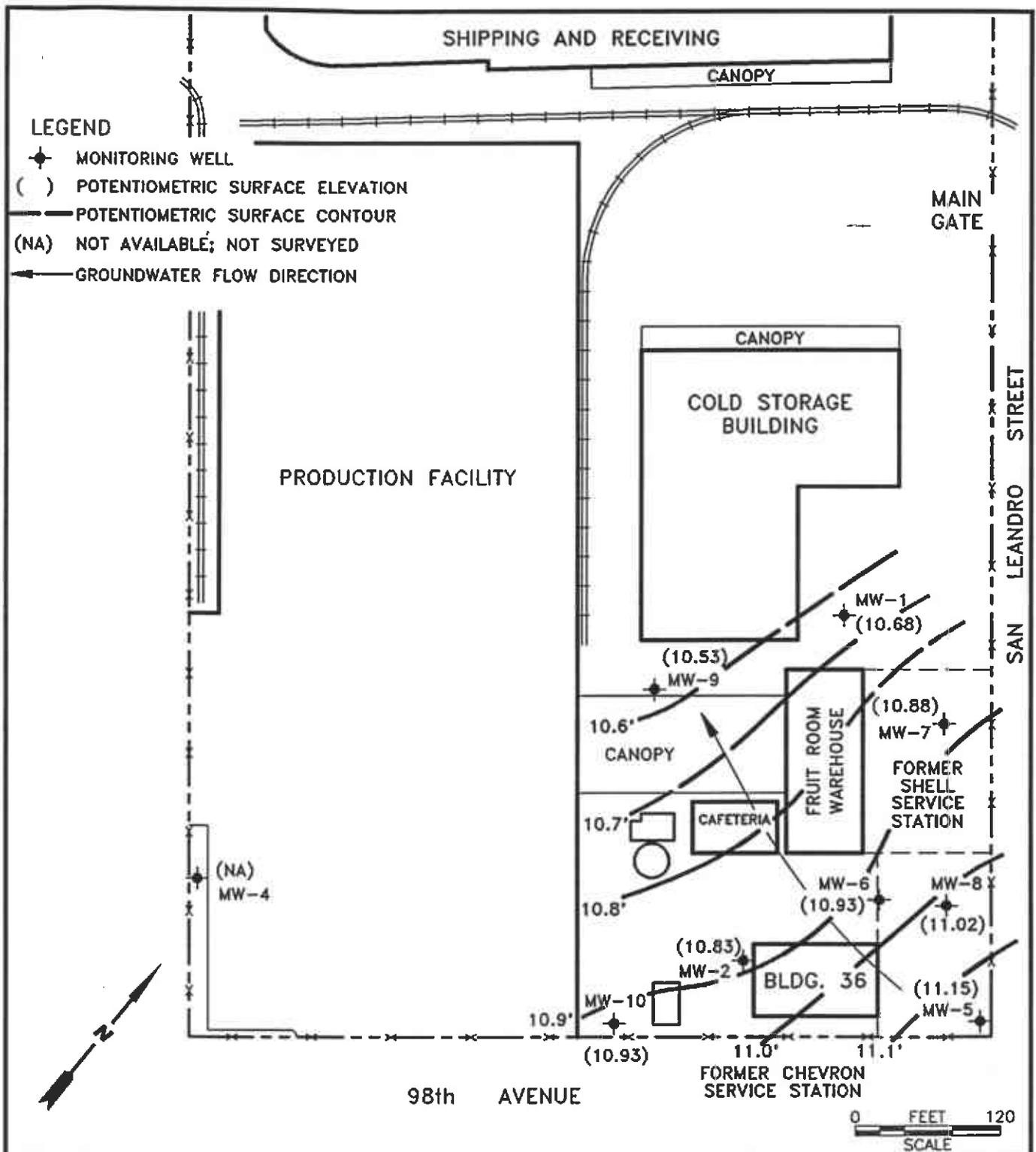
**9757 SAN LEANDRO STREET
OAKLAND, CALIFORNIA**

FIGURE:

1



 GROUNDWATER TECHNOLOGY		4057 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 671-2387		<h2>SITE PLAN</h2>			
CLIENT: CHEVRON U.S.A. PRODUCTS CO SERVICE STATION NO. 9-1723		LOCATION: 9757 SAN LEANDRO STREET NEWARK, CALIFORNIA		REV. NO.: 0	DATE: 11/4/93		
PM 	PE/RG 	DESIGNED TW	DETAILED CY	ACAD FILE: SPN93		PROJECT NO.: 020204519	FIGURE: 2



GROUNDWATER TECHNOLOGY
 4057 PORT CHICAGO HWY.
 CONCORD, CA 94520
 (510) 671-2387

**POTENTIOMETRIC SURFACE MAP
 (11/24/93)**

CLIENT: CHEVRON U.S.A. PRODUCTS CO SERVICE STATION NO. 9-1723		LOCATION: 9757 SAN LEANDRO STREET NEWARK, CALIFORNIA		REV. NO.: 0	DATE: 12/29/93
PM <i>gm</i>	PE/RG <i>mtz</i>	DESIGNED TW	DETAILED ML	ACAD FILE: PSMN2493/SPN93	PROJECT NO.: 020204519
					FIGURE: 3

TABLES

Table 1 Monitoring Data and Analytical Results of Groundwater Samples Collected on
November 2 and 24, 1993

TABLE 1
DATA MONITORING AND ANALYTICAL RESULTS OF GROUNDWATER
 Collected on November 2 and 24, 1993
 (Concentrations in parts per billion)

Well ID.	TOC Elevation (msl)	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-G	Lead	DTW	DPT	GWE (ft)
MW-1	20.92	-	-	-	-	-	-	10.24	0.00	10.68
MW-2	21.31	-	-	-	-	-	-	10.48	0.00	10.83
MW-4	-	-	-	-	-	-	-	10.23	0.00	-
MW-5	21.84	43	3.4	22	12	790	<400	10.69	0.00	11.15
MW-6	21.71	23	1.8	2.5	5.0	2000	<400	10.78	0.00	10.93
MW-7	20.95	-	-	-	-	-	-	10.07	0.00	10.88
MW-8	21.84	2,000	440	420	1,400	1,500	<400	10.82	0.00	11.02
MW-9	20.55	-	-	-	-	-	-	10.02	0.00	10.53
MW-10	21.25	-	-	-	-	-	-	10.32	0.00	10.93

- TOC = Top of casing elevation. Benchmark used was Coast and Geodetic benchmark "San Leandro SE Base RM3," a brass disk in the west corner of concrete freight loading dock at the Southern Pacific Railroad tracks southeast of 98th Avenue crossing.
- MSL = mean sea level
- TPH-G = Total petroleum hydrocarbons-as-gasoline
- DTW = Depth to water
- DTP = Depth to product
- GWE = Groundwater elevation relative to mean sea level
- = Not measured, not sampled, and not analyzed

Monitoring wells MW-5, MW-6, and MW-8 were sampled on November 2, 1993, and monitored on November 24, 1993.

APPENDIX A

**Groundwater Technology's
Standard Operating Procedures (SOPs)**

**GROUNDWATER TECHNOLOGY, INC.
STANDARD OPERATING PROCEDURE
CONCERNING GROUNDWATER MONITORING
SOP 8**

Groundwater monitoring of wells at the site shall be conducted using an ORS Environmental Equipment (ORS) INTERFACE PROBE™ and SURFACE SAMPLER™. The INTERFACE PROBE™ is a hand-held, battery-operated device for measuring depth to petroleum product and depth to water as measured from an established datum (*i.e.*, top of the well casing which has been surveyed). Separate-phase hydrocarbon (product) thickness is then calculated by subtracting the depth to product from the depth to water. In addition, water elevations are adjusted for the presence of fuel with the following calculation:

$$\text{(Product Thickness) (0.8) + (Water Elevation) = Corrected Water Elevation}$$

Note: The factor of 0.8 accounts for the density difference between water and petroleum hydrocarbons.

The INTERFACE PROBE™ consists of a dual-sensing probe which utilizes an optical liquid sensor and electrical conductivity to distinguish between water and petroleum products. A coated steel measuring tape transmits the sensor's signals to the reel assembly where an audible alarm sounds a continuous tone when the sensor is immersed in petroleum product and an oscillating tone when immersed in water. The INTERFACE PROBE™ is accurate to 0.01 inch.

A SURFACE SAMPLER™ shall be used for visual inspection of the groundwater to note sheens (difficult to detect with the INTERFACE PROBE™), odors, microbial action, etc.

The SURFACE SAMPLER™ used consists of a 12-inch-long case acrylic tube with a Delrin ball which closes onto a conical surface creating a seal as the sampler is pulled up. The sampler is calibrated in inches and centimeters for visual inspection of product thickness.

To reduce the potential for cross contamination between wells, the monitorings shall take place in order from the least to the most contaminated wells. Wells containing separate-phase hydrocarbons (free product) should be monitored last. Between each monitoring the equipment shall be washed with laboratory-grade detergent and double rinsed with distilled water.

**GROUNDWATER TECHNOLOGY, INC.
STANDARD OPERATING PROCEDURE
CONCERNING WATER SAMPLING METHODOLOGY
SOP 9**

Before water sampling, each well shall be purged by pumping a minimum of four well volumes or until the discharge water indicates stabilization of temperature conductivity and pH. If the well is evacuated before four well volumes are removed or stabilization is achieved, the sample should be taken when the water level in the well recovers to 80 percent of its initial level.

Retrieval of the water sample, sample handling and sample preservation shall be conducted according to Standard Operating Procedure 10 concerning "Sampling for Volatiles in Water." The sampling equipment used shall consist of a Teflon® and/or stainless steel samplers which meet U.S. Environmental Protection Agency (EPA) regulations. Glass vials with Teflon® lids should be used to store the collected samples.

To ensure sample integrity, each vial shall be filled with the sampled water in such a way that the water stands above the lip of the vial. The cap should then be quickly placed on the vial and tightened securely. The vial should then be checked to ensure that air bubbles are not present prior to labeling of the sample. Label information should include a sample identification number, job identification, date, time, type of analysis requested, and sampler's name. Chain-of-custody records shall be completed according to Standard Operating Procedure (SOP) 11 concerning chain of custody.

The vials should be immediately placed in high quality coolers for shipment to the laboratory. The coolers should be packed with sufficient ice or freezer packs to ensure that the samples are kept below 4° Celsius (C). To minimize sample degradation the prescribed analysis shall take place within seven days of sample collection unless specially prepared acidified vials are used.

To minimize the potential for cross contamination between wells, all the well development and water sampling equipment which contacts the groundwater shall be cleaned between each sampling. As a second precautionary measure, the wells shall be sampled in order of increasing contaminant concentrations (the least contaminated well first, the most contaminated well last) as established by previous analysis.

**STANDARD OPERATING PROCEDURE 10
CONCERNING SAMPLING FOR VOLATILES IN WATER
(DISSOLVED GASOLINE, SOLVENTS, ETC.)
SOP 10**

1. Use only vials properly washed and oven dried.
2. Use clean sampling equipment. Scrub with Alconox or equivalent laboratory detergent and water followed by a thorough water rinse. Complete with a distilled water rinse.

Sampling equipment which has come into contact with liquid hydrocarbons (free product) should be regarded with suspicion. Such equipment should have tubing and cables replaced and all resilient parts washed with laboratory detergent solution as indicated above. Visible deposits may have to be removed with hexane. Solvent washing should be followed by detergent washing, as indicated above.

This procedure is valid for volatile organic analysis only. For extractable organics (for example, pesticides, or base neutrals for U.S. Environmental Protection Agency [EPA] Method 625 a final rinse with pesticide-grade isopropyl alcohol), followed by overnight or oven drying will be necessary.

3. Take duplicate samples. Mark on forms as a single sample with two containers to avoid duplication of analyses.
4. Take a site blank using distilled water or known uncontaminated source. This sample will be run at the discretion of the project manager.
5. Fill out labels and forms as much as possible ahead of time. Use an indelible marker.
6. Preservatives are required for some types of samples. Use specially prepared vials marked as indicated below, or use the appropriate field procedure (SOP 12 for acidification). Make note on forms that samples were preserved. Always have extra vials in case of problems. Samples for volatile analyses should be acidified below pH 2. Eye protection, foot protection, and disposable vinyl gloves are required for handling. Samples designated for expedited service and analyzed within seven (7) days of sampling will be acceptable without preservation. Glasses or goggles (not contact lenses) are necessary for protection of the eyes. Flush eyes with water for 15 minutes if contact occurs and seek medical attention. Rinse off hands frequently with water during handling.

For sampling chlorinated drinking water supplies for chlorinated volatiles, samples shall be preserved with sodium thiosulfate. Use vials labeled "CONTAINS THIOSULFATE." No particular cautions are necessary.

7. Fill vial to overflowing with water, avoiding turbulence and bubbling as much as possible. Water should stand above lip of vial.
8. Carefully, but quickly, slip cap onto vial. Avoid dropping the Teflon® septum from cap by not inverting cap until it is in contact with the vial. Disc should have Teflon® face toward the water. Also avoid touching white Teflon® face with dirty fingers.
9. Tighten cap securely, invert vial, and tap against hand to see there are not bubbles inside.

10. Label vial, using indelible ink, as follows:
 - A. Sample I.D. No.
 - B. Job I.D. No.
 - C. Date and Time
 - D. Type of analysis required
 - E. Your name
11. Unless the fabric-type label is used, place Scotch™ tape over the label to preserve its integrity.
12. For chain-of-custody reasons, sample vial should be wrapped end-for-end with Scotch™ tape or evidence tape and signed with indelible ink where the end of the tape seals on itself. The septum needs to be covered.
13. Chill samples immediately. Samples to be stored should be kept at 4° Celsius (C) (39.2° Fahrenheit [F]). Samples received at the laboratory above 10°C (as measured at glass surface by a thermocouple probe), after overnight shipping, will be considered substandard, so use a high quality cooler with sufficient ice or freezer packs.
14. Fill out Chain-of-Custody Manifest and Analysis Request Form (see Chain of Custody Procedures, SOP 11).

**GROUNDWATER TECHNOLOGY, INC.
STANDARD OPERATING PROCEDURE
CONCERNING CHAIN OF CUSTODY
SOP 11**

1. Samples must be maintained under custody until shipped or delivered to the laboratory. The laboratory will then maintain custody. A sample is under custody if:
 - a) It is in your possession
 - b) It is in your view after being in your possession
 - c) You locked it up after it was in your possession
 - d) It is in a designated secure area
2. Custody of samples may be transferred from one person to another. Each transferrer and recipient must date, sign and note the time on the chain-of-custody form.
3. In shipping, the container must be sealed with tape, and bear the sender's signature across the area of bonding at the ends of the tape to prevent undetected tampering. Each sampling jar should be taped and signed as well. Scotch tape works well.
4. Write "sealed by" and sign in the "Remarks" box at the bottom of the form before sealing the box. Place form in a plastic bag and seal it inside the box.
5. The "REMARKS" section of the form is for documenting details such as:
 - a) Correlation of sample numbers if samples are split between labs.
 - b) QC numbers when lab is logging in the samples.
 - c) Sample temperature and condition when received by lab.
 - d) Preservation notation.
 - e) pH of samples when opened for analysis (if acidified).
 - f) Sampling observation or sampling problem.
6. The chain-of-custody form should be included inside the shipping container. A copy should be sent to the project manager.
7. When the samples are received by the lab, the chain-of-custody form will be dated, signed, and the time noted by a laboratory representative. The form will be retained in the laboratory files along with shipping bills and receipts .
8. At the time of receipt of samples by the laboratory, the shipping container will be inspected and the sealing signature will be checked. The samples will be inspected for condition and bubbles, and the temperature of a representative sample container will be measured externally by a thermocouple probe (held tightly between two samples) and recorded. The laboratory QC numbers will be placed on the labels, in the accession log, and on the chain-of-custody form. If samples are acidified, their pH will be measured by narrow range pH paper at the time of opening for analysis. All comments concerning procedures requiring handling of the samples will be dated and initialed on the form by the laboratory person performing the procedure. A copy of the completed chain-of-custody form with the comments on sample integrity will be returned to the sampler.

**GROUNDWATER TECHNOLOGY, INC.
STANDARD OPERATING PROCEDURE
CONCERNING SOIL SAMPLING METHODOLOGY
SOP 14**

1. Soil samples should be collected and preserved in accordance with Groundwater Technology Standard Operating Procedure (SOP 15) concerning Soil Sample Collection and Handling when Sampling for Volatile Organics. A hollow stem soil auger should be used to drill to the desired sampling depth. A standard 2 inch diameter split spoon sampler 18 inches in length shall be used to collect the samples. The samples are contained in 2 inch diameter by 6 inch long thin walled brass tube liners fitted into the split spoon sampler (three per sampler).
2. The split spoon sampler should be driven the full depth of the spoon into the soil by a 140 pound hammer. The spoon shall then be extracted from the borehole and the brass tube liners containing the soil sample removed from the sampler. The ends of the liner tubes should be immediately covered with aluminum foil, sealed with a teflon or plastic cap, and taped with duct tape. After being properly identified with sample data entered on a standard chain of custody form the samples shall be placed on dry ice (maintained below 4 ~ C) and transported to the laboratory within 24 hours.
3. One of the three soil samples retrieved at each sample depth shall be analyzed in the field using a photoionization detector and/or explosimeter. The purpose of the field analysis is to provide a means to choose samples to be laboratory analyzed for hydrocarbon concentrations and to enable comparisons between the field and laboratory analyses. The soil sample shall be sealed in a plastic bag and allowed to equilibrate with the air surrounding the soil for approximately 10 minutes. One of the two field vapor instruments shall be used to quantify the amount of hydrocarbon released to the air from the soils. The data shall be recorded on the drill logs at the depth corresponding to the sample point.

**GROUNDWATER TECHNOLOGY, INC.
STANDARD OPERATING PROCEDURE
CONCERNING SOIL SAMPLE COLLECTION AND
HANDLING WHEN SAMPLING FOR VOLATILE ORGANICS
SOP 15**

1. Use a sampling means which maintains the physical integrity of the samples. The project sampling protocol will designate a preferred sampling tool. A split spoon sampler with liners, or similar tube sampler which can be sealed, is best.
2. The samples should be sealed in the liner, with teflon plugs (The "California Sampler") or plastic caps.
3. For sending whole-core samples (above):
 - A. Seal ends of liner with teflon plugs or plastic caps, leaving no free air space inside.
 - B. Tape with duct tape.
 - C. Label the sample with the following information: sample identification, depth, date and time, project number and required analyses.
 - D. Place in plastic bag labeled with indelible marker. Use Well #, depth, date, and job #.
 - E. Place inside a second bag and place a labelling tag inside outer bag.
 - F. Enclose samples in a cooler with sufficient ice or dry ice to maintain samples at 4 degrees C during shipment.
 - G. Seal cooler with a lock, or tape with samplers signature so tampering can be detected.
 - H. Package cooler in a box with insulating material. Chain of custody forms can be placed in a plastic bag in this outer box.
 - I. If dry ice is used, a maximum of 5 pounds is allowed by Federal Express without special documents (documents are easy to obtain but are not necessary for under 5 pounds). Write "ORM-A dry ice", "____ pounds, for research" on outside packaging and on regular airbill under classification. UPS does not accept dry ice.
 - J. Soil cores kept a 4 degrees C are only viable for up to 7 days when aromatic hydrocarbons are involved. The lab should prepare the samples in methanol once in the lab.
4. Good sampling practice would include preparing 1 out of 5 samples to be prepared in duplicates for analysis. These 4 out of 20 samples will be used for the following purposes:
 - A. One in every 20 samples should be analyzed as a field replicate to evaluate the precision of the sampling technique. A minimum of 1 sample per data set is suggested.

- B. An additional 1 in 20 samples should be selected by sampler to be prepared in duplicate as alternative to Step (A). Choose a different soil type if available.
- C. The remaining 2 in 20 samples should be used by lab for spiking with reference materials for internal QC.

Other QC procedures can be specified at the project manager's discretion. See Table 3-2 (reference 2) attached.

- 5. Decontamination of equipment in the field requires a detergent wash, with a distilled water rinse.

REFERENCES

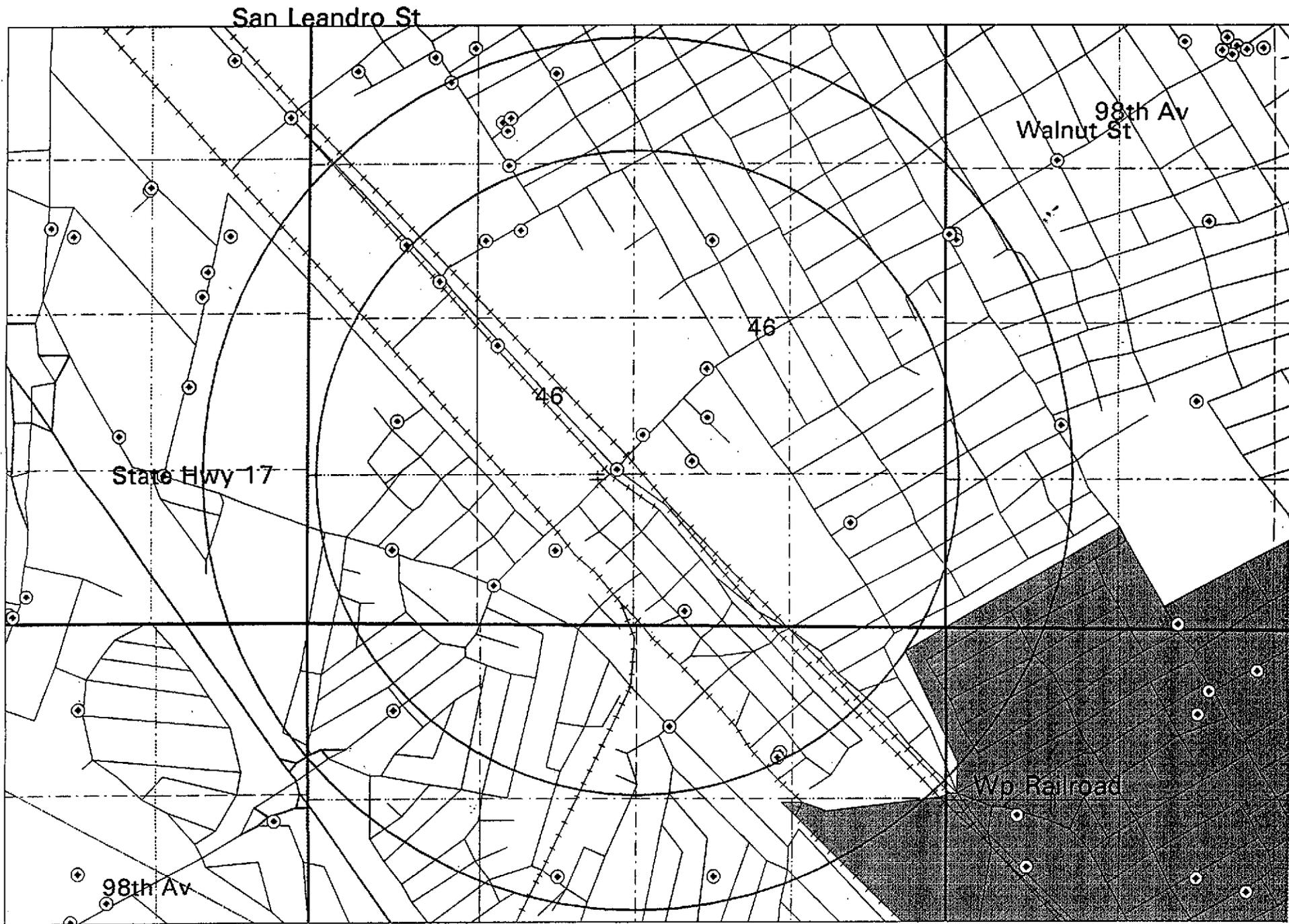
- 1. Soil Sampling Quality Assurance Users Guide, U.S. EPA Environmental Monitoring Systems Laboratory, Las Vegas, NV, EPA 600/4-84-043, May 1984.
- 2. Preparation of Soil Sampling Protocol. Techniques and Strategies, U.S. EPA, Environmental Monitoring Systems Laboratory, Las Vegas, NV, EPA 600/4-83-020, August 1983 (PB83-206979).
- 3. Test Methods for Evaluating Solid Waste, U.S. EPA, Office of Solid Waste and Emergency Response, Washington, D.C., SW 846, July 1982.

**GROUNDWATER TECHNOLOGY, INC.
STANDARD OPERATING PROCEDURE
CONCERNING OPERATION/CALIBRATION OF
PHOTOIONIZATION ANALYZER
SOP 19**

1. The Thermo Environmental Instruments Inc. Model 580B OVM Photoionization Analyzer shall be used, using photoionization, to measure the concentration of trace gases over a range of less than 1 ppm to 2,000 ppm. The specific instrument used for investigations related to hydrocarbon contamination should be calibrated for direct readings in parts per million (ppm) volume/volume of isobutylene. Specifics of the detection principle/theory and functions of various components can be found in the manufactures instruction manual.
2. To assure optimum performance, the photoionization analyzer should be calibrated with a standard gas mixture of known concentration from a pressurized container. A daily procedure for calibration involves bringing the probe and readout close to the calibration gas, cracking the valve on the tank and checking the instrument reading. This provides a useful spot check for the instrument.
3. A procedure conducted weekly for more accurate calibration of the instrument from a pressurized container is to connect one side of a "T" to the pressurized container of calibration gas, another side of the "T" to a rotameter and the third side of the "T" directly to the 8" extension to the photoionization probe (see Figure 2). Crack the valve of the pressurized container until a slight flow is indicated on the rotameter. The instrument draws in the volume of sample required for detection, and the flow in the rotameter indicates an excess of sample. Now adjust the span pot so that the instrument reads the exact value of the calibration gas. (If the instrument span setting is changed, the instrument should be turned back to the standby position and the electronic zero should be readjusted, if necessary).

APPENDIX B

**County of Alameda Public Works
Well Location Survey**



.5 mile radius SL ST & 98 TH (Page 1)

WELL #	CITY	ADDRESS	OWNER	PHONE USE	DR.DATE	DIAM	TOT.DEPTH	DTW	ST.ELEV	WA.ELEV	YIELD	LOG	WQ	WL	DATAORGN	MARGIN
2S/3W 22C 2	OAK	910 89 AV.	BARRETT'S METAL FNSH.	0 MON	01/89	2	19	13	0	0	0	G	0	0	L	Yes
2S/3W 22C 3	OAK	910 89 AV.	BARRETT'S METAL FNSH.	0 MON	01/89	2	20	13	0	0	0	G	0	0	L	Yes
2S/3W 22E	OAK	9201 San Leandro Street	Paco Pumps PBMW3	0 BOR	11/92	0	20	0	0	0	0	D	0	0	D	
2S/3W 22E 8	OAK	9201 San Leandro Street	Paco Pumps 9MW1	0 MON	11/92	4	21	10	0	0	0	D	0	0	D	
2S/3W 22E 9	OAK	9201 San Leandro Street	Paco Pumps 9MW2	0 MON	11/92	4	21	10	0	0	0	D	0	0	D	
2S/3W 22E10	OAK	9201 San Leandro Street	Paco Pumps 9MW3	0 MON	11/92	4	21	11	0	0	0	D	0	0	D	
2S/3W 22E11	OAK	9201 San Leandro Street	Paco Pumps 9MW4	0 MON	11/92	4	21	9	0	0	0	D	0	0	D	
2S/3W 22F 2	OAK	888 92ND AVE	PUGET SOUND PIPE	0 MON	06/88	2	24	13	0	0	0	D	1	0	A	
2S/3W 22F 2	OAK	888 92ND AVE	PUGET SOUND PIPE	0		0	0	0	0	0	0					
2S/3W 22F 3	OAK	888 92ND AVE	PUGET SOUND PIPE	0 MON	06/88	2	25	13	0	0	0	D	1	0	L	
2S/3W 22F 4	OAK	888 92ND AVE	PUGET SOUND PIPE	0 MON	06/88	2	25	13	0	0	0	D	1	0	L	
2S/3W 22F 5	OAK	888 92ND AVE	PUGET SOUND PIPE	0 MON	06/88	2	25	13	0	0	0	D	1	0	L	
2S/3W 22F 6	OAK	888 92ND AVE	PUGET SOUND PIPE	0 MON	6/88	2	25	13	0	0	0	D	0	0	L	
2S/3W 22F 7	OAK	888 92ND AVE	PUGET SOUND PIPE	0 MON	6/88	2	24	13	0	0	0	D	0	0	L	
2S/3W 22F 8	OAK	888 92ND AVE	PUGET SOUND PIPE	0 MON	6/88	2	25	13	0	0	0	D	0	0	L	
2S/3W 22F 9	OAK	845 92nd Avenue	Paco Pumps 8MW1	0 MON	11/92	4	20	9	0	0	0	D	0	0	D	
2S/3W 22F10	OAK	845 92nd Avenue	Paco Pumps 8MW2	0 MON	11/92	4	21	11	0	0	0	D	0	0	D	
2S/3W 22F11	OAK	845 92nd Avenue	Paco Pumps 9MW1	0 MON	11/92	4	21	10	0	0	0	D	0	0	D	
2S/3W 22F12	OAK	845 92nd Avenue	Paco Pumps 9MW2	0 MON	11/92	4	21	11	0	0	0	D	0	0	D	
2S/3W 22F13	OAK	845 92nd Avenue	Paco Pumps 9MW3	0 MON	11/92	4	21	11	0	0	0	D	0	0	D	
2S/3W 22F14	OAK	845 92nd Avenue	Paco Pumps 9MW4	0 MON	11/92	4	21	9	0	0	0	D	0	0	D	
2S/3W 22G 2	OAK	ELMHURST ST	EBMUD	0 CAT	6/81	0	65	0	0	0	0	D	0	0	L	
2S/3W 22J 1.	OAK	9957 MEDFORD AV	AMERICAN HOME FOODS	0 IND	/46	14	950	0	0	0	1100	?	0	0	L	
2S/3W 22K	OAK	1025 98th Ave.	Pioneer Packing	0 BOR	8/92	0	10	10	0	0	0	G	0	0	D	
2S/3W 22K 1	OAK	9838 Gould St	David Barretta MW-1	0 MON	11/91	2	25	13	105	92	0	G	1	1	D	
2S/3W 22K 2	OAK	9838 Gould St	David Barretta MW-2	0 MON	11/91	2	25	13	106	93	0	G	1	1	D	
2S/3W 22K 3	OAK	9838 Gould St	David Barretta MW-3	0 MON	11/91	2	30	0	105	92	0	G	1	1	D	
2S/3W 22K 4	OAK	1025 98th Ave.	Pioneer Packing MW-1	0 MON	8/92	2	19	10	0	0	0	G	0	0	D	
2S/3W 22L	OAK	921 98th Ave.	Fleischmann's Yeast	0 MON	12/90	4	25	13	0	0	0	G	1	0	D	
2S/3W 22L 1	OAK	888 92ND AVE	PARKER-HANNIFIN	0 IND	9/54	14	950	0	0	0	1250	D	0	0	L	
2S/3W 22L 2	OAK	921 98TH AV	STANDARD BRANDS INC	6332209 IND	7/32	14	953	62	21	-41	940	D	0	0	L	
2S/3W 22L 3	OAK	921 98TH AV	STANDARD BRANDS INC	0 IND	11/67	14	957	0	0	0	1000	D	0	0	L	
2S/3W 22L 4	OAK	921 98th Ave.	Fleischmann's Yeast	0 MON	11/90	2	30	12	0	0	0	G	0	0	D	
2S/3W 22L 5	OAK	921 98th Ave	Fleischmann's Yeast	0 MON	8/90	3	28	20	41	21	0	G	0	0	D	
2S/3W 22L 6	OAK	921 98th Ave	Fleischmann's Yeast	0 MON	9/90	2	26	15	0	0	0	G	0	0	D	
2S/3W 22L 7	OAK	921 98th Ave	Fleischmann's Yeast	0 MON	9/90	2	25	15	0	0	0	G	0	0	D	
2S/3W 22M 1	OAK	711 LOUISIANA	S.G. MASTERS	0 IRR	?	6	0	5	0	0	0	?	0	1	L	
2S/3W 22N	OAK	Edes Ave & Rossmoor	Edes Ave Senior Housing	0 IRR	4/90	6	282	35	0	0	50	D	0	0	D	
2S/3W 22P	OAK	98th & Edes	City of Oak. Construction	0 BOR*	2/90	2	0	0	99	0	0	G	0	0	D	
2S/3W 22P 2	OAK	801 98TH AV	GERBERS PRODUCTS CO.	5691100 IND	4/48	14	602	52	22	-30	1150	D	Y	0	L	
2S/3W 22P 3	OAK	801 98TH AV	GERBERS PRODUCTS	0 IND+	?	10	0	0	22	0	0	?	0	+	L	
2S/3W 22P 4	OAK	9401 SAN LEANDRO STREET	KALMAN COMPANIES	0 MON	4/87	2	22	10	0	0	0	D	0	0	L	
2S/3W 22P 5	OAK	9401 SAN LEANDRO STREET	KALMAN COMPANIES	0 MON	4/87	2	23	10	0	0	0	D	0	0	L	
2S/3W 22P 6	OAK	9401 SAN LEANDRO STREET	KALMAN COMPANIES	0 MON	4/87	2	22	11	0	0	0	D	0	0	L	
2S/3W 22P 8	OAK	98th & Edes	City of Oak. Construction	0 MON	2/90	2	23	11	99	88	0	G	0	0	D	
2S/3W 22P 9	OAK	98th & Edes	City of Oak. Construction	0 MON	2/90	2	29	13	100	88	0	G	0	0	D	
2S/3W 22P07	OAK	9401 SANLEANDRO ST.	GERBER PRODUCTS CO.	0 MON	05/88	2	20	9	0	0	0	G	0	0	L	
2S/3W 22P10	OAK	98th & Edes	City of Oak. Construction	0 MON	2/90	2	23	14	101	87	0	G	0	0	D	
2S/3W 22P11	OAK	98th & Edes	City of Oak. Construction	0 MON	2/90	2	22	8	100	92	0	G	0	0	D	
2S/3W 22P12	OAK	98th & Edes	City of Oak. Construction	0 MON	2/90	2	23	15	101	8	0	G	0	0	D	
2S/3W 22P13	OAK	98th Av./San Leandro St.	City of Oakland	0 MON	10/89	2	24	11	0	0	0	G	0	0	D	
2S/3W 22P14	OAK	98th Av./San Leandro St.	City of Oakland	0 MON	10/89	2	22	10	0	0	0	G	0	0	D	
2S/3W 22P15	OAK	98th Av./San Leandro St	City of Oakland	0 MON	10/89	2	22	15	0	0	0	G	0	0	D	
2S/3W 22P16	OAK	98th Av./San Leandro St.	City of Oakland	0 MON	10/89	2	26	0	0	0	0	G	0	0	D	
2S/3W 22P17	OAK	98th Av./San Leandro St.	City of Oakland	0 MON	10/89	2	41	11	0	0	0	G	0	0	D	
2S/3W 22P18	OAK	98th Av./San Leandro St.	City of Oakland	0 MON	11/89	2	19	0	0	0	0	G	0	0	D	
2S/3W 22P19	OAK	1901 San Leandro St.	Gerber Products	0 MON	11/90	2	59	43	0	0	0	D	0	0	D	
2S/3W 22P20	OAK	1901 San Leandro St.	Gerber Products	0 MON	8/89	4	21	10	40	30	0	G	0	0	D	
2S/3W 22P21	OAK	98th Ave & San Leandro St	City Attorney, Oakland	0 MON	8/90	2	35	24	0	0	0	G	0	0	D	
2S/3W 22Q 1	OAK	9957 MEDFORD AV	MEDEZES BROS	6388750 IND	7/56	14	598	115	0	0	1200	D	0	0	L	
2S/3W 22Q 2	OAK	98TH&SAN LEANDRO ST	FLEISCHMAN YEAST	0 IND	?	0	944	0	0	0	940	D	0	0	L	
2S/3W 22Q 3	OAK	10222 Pearmain	Melrose Metal Fab MW-1	0 MON	6/91	2	25	16	0	0	0	G	1	0	D	

.5 mile radius SL ST & 98 TH (Page 2)

WELL #	CITY	ADDRESS	OWNER	PHONE USE	DR.DATE	DIAM	TOT.DEPTH	DTW	ST.ELEV	WA.ELEV	YIELD	LOG	WQ	WL	DATAORGN	MARGIN
2S/3W 22R 1	OAK	103RD AVE	PG&E	0 CAT	3/73	0	120	0	0	0	0	0	0	0		L
2S/3W 23M 1	OAK	9957 MEDFORD AV	AMERICAN HOME FOOD	0 ?	?	0	0	0	0	0	0	0	?	0		L
2S/3W 27B	OAK	105th Avenue & Edes	Reynolds & Brown	0 BOR*	4/89	0	20	19	0	0	0	G	0	0		D
2S/3W 27B	OAK	750 107th Ave	Hard Chrome Engrg SB-1	0 BOR*	8/91	0	20	0	0	0	0	G	0	0		D
2S/3W 27B 8	OAK	750 107th Ave.	Hardchrome Eng. Inc. MW-1	0 MON	6/92	2	28	18	33	15	0	G	0	0		D
2S/3W 27B 9	OAK	750 107th Ave.	Hardchrome Eng. Inc. MW-2	0 MON	6/92	2	24	18	33	15	0	G	0	0		D
2S/3W 27B10	OAK	750 107th Ave.	Hardchrome Eng. Inc. MW-3	0 MON	6/92	2	24	18	33	15	0	G	0	0		D
2S/3W 27B11	OAK	750 107th Ave.	Hard Chrome Engr. SB-2	0 BOR	8/91	2	25	0	0	0	0	G	0	0		D
2S/3W 27B12	OAK	750 107th Ave.	Hard Chrome Engr. SB-3	0 BOR	8/91	2	28	0	0	0	0	G	0	0		D
2S/3W 27B13	OAK	750 107th Ave.	Hard Chrome Engr. SB-4	0 BOR	8/91	2	25	0	0	0	0	G	0	0		D
2S/3W 27B14	OAK	750 107th Ave.	Hard Chrome Engr. SB-5	0 BOR	8/91	2	25	0	0	0	0	G	0	0		D
2S/3W 27D 2	SLE	324 JONES AVE	EDWARD PENS	0 IRR	/56	0	2	0	0	0	0	?	0	0		L
2S/3W 27F 1	OAK	1160 105TH AVE	IBUE	0 IRR	3/56	12	220	12	21	9	0	D	0	0		L
2S/3W 27F 2	SLE	358 105TH AVE	G. KINDLE	0 IRR	8/45	0	120	0	0	0	0	D	0	0		L
2S/3W 27F 3	OAK	ETMO & HUNTER ST	PG&E	0 CAT	2/76	0	120	0	0	0	0	D	0	0		L
2S/3W 27G 1	OAK	460 - 105TH AV	OBIE'S NURSERY	0 IRR	10/57	10	236	20	0	0	0	D	0	0		L

Yes
Yes
Yes
Yes

WELL INVENTORY FILE

Definitions and abbreviations for items listed in the well inventory file are as follows:

[WELLNO] Well number - Wells are numbered according to their location in the rectangular system of the Public Land Survey. The part of the number preceding the slash indicates the township; the part following the slash indicates the range and section number; the letter following the section number indicates the 40-acre subdivision; and the final digit is a serial number for wells in each 40-acre subdivision.

[DAT] Date - The month and year when drilling or boring was completed.

[ELEV] Surface elevation - The surface elevation of the well, if known, in feet above mean sea level. A zero designates an unknown elevation.

[TD] Total depth - The depth of the well. This usually designates the completed well depth. If the well has a well log available on file, then the total drilled depth of the well is given. The inventory does not show total depth data for geotechnical borings. This is because only one state well number is assigned to one boring at a site, and there are usually several borings of different depth.

[DTW] Depth to water - This category usually indicates the standing groundwater level in the well on the date of completion. The "depth to first water encountered" is recorded in the inventory when it is the only water level data reported on the well driller's report.

[USE] Use - The well use (or in the case of cathodic protection wells and geotechnical borings, the reason for the excavation) as indicated in the well driller's report or data sheets. A plus sign (+) after the well use indicates a well in the current ACFC & WCD monitoring network.

[ABN] Abandoned well - A well whose use has been permanently discontinued or which is in such a state of disrepair that no water can be produced. In the inventory, this may include wells which are covered or capped but not properly destroyed.

[DES] Destroyed well - A well that has been properly filled so that it cannot produce water nor act as a vertical conduit for the movement of groundwater.

[DOM] Domestic well - A water well which is used to supply water for the domestic needs of an individual residence or systems of four or less service connections or "hookups".

[INA] Inactive well - A well not routinely operating but capable of being made operable with a minimum of effort. Also called a "standby well".

[IND] Industrial well - A water well used to supply industry on an individual basis.

[IRR] Irrigation well - A water well used to supply water only for irrigation or other agricultural purposes. In the inventory, this category includes large capacity wells as well as small capacity wells for lawn irrigation.

[MON] Monitoring or observation well - Wells constructed for the purpose of observing or monitoring groundwater conditions. (see piezometer):

[MUN] Municipal well - A water well used to supply water for domestic purposes in systems subject to Chapter 7, Part 1, Division 5 of the California Health and Safety Code. Included are wells supplying public water systems classified by the Department of Health Services. (Also referred to as community water supply wells).

[PIE] Piezometer - A piezometer is a well specifically designated to measure the hydraulic head within a zone small enough to be considered a point as contrasted with a well that reflects the average head of the aquifer for the screened interval.

[STO] Stock - A water well used primarily for livestock.

[TES] Test well and test hole - A test well is constructed for the purpose of obtaining the information needed to design a well prior to its construction. Such wells are not to be confused with "test holes" which are temporary in nature (i.e., uncased excavations whose purpose is the immediate determination of existing geologic and hydrologic conditions). Test wells are cased and can be converted to observation or monitoring wells, and under certain circumstances, to production wells. In the inventory, "TES" includes both test wells and test holes.

[?] Unidentified use - This indicates water wells whose use could not be ascertained from the available well data.

[CAT] Cathodic protection well - Any artificial excavation constructed by any method for the purpose of installing equipment or facilities for the protection from corrosion by electrochemical methods of metallic equipment (usually piping) in contact with the ground; commonly referred to as cathodic protection.

[GEO] Geotechnical boring - A temporary boring made to determine certain engineering properties of soils. An asterisk (*) indicates that the state well number assigned to the boring represents more than one boring at a particular site.

[LOG] Log - This category indicates whether a geologic record, or log, for the well or boring is available in the Agency's files. Abbreviations are as follows:

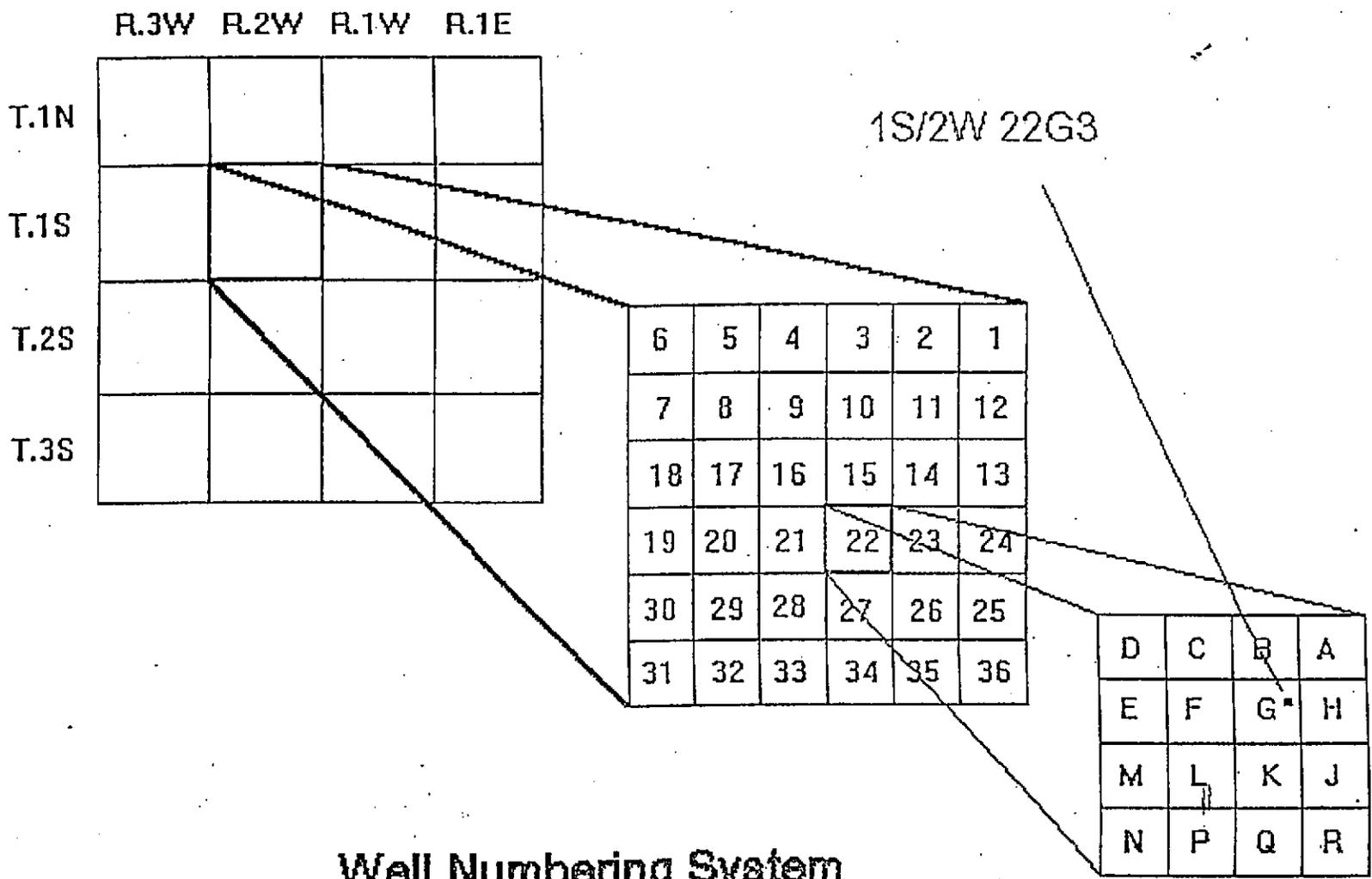
- D - well driller's log
- G - geotechnical boring log
- E - electric (resistivity) log or other subsurface geophysical logs.

[WQ] Water quality data available - This category indicates which wells have water quality data available in ACFC & WCD files. The numbers 1 through 9 signify the number of sets of water quality measurements available for that well. A plus sign (+) indicates that 10 or more sets of data are available. A "0" indicates that no data is available.

[WL] Water level data available - This category indicates which wells have water level data other than the data reported on the well driller's logs. The numbers 1 through 9 signify the number of water level measurements available. A plus sign (+) indicates that 10 or more measurements are available for that well. A "0" indicates that no data is available.

[YLD] Yield - The maximum pumping rate in gallons per minute that can be supplied by a well without lowering the water level in the well below the pump intake. This data is taken from pump test data recorded in the driller's records. Some of the yield data reflects current production rates and does not reflect maximum yield values determined in a capacity test.

[DIA] Diameter - The diameter in inches of the main casing in a well. May also indicate the diameter of a hand-dug well. Diameter data is not recorded for geotechnical borings.



Well Numbering System

APPENDIX C

Vista California Radius Detailed Report



CLIENT NAME	: GROUNDWATER TECHNOLOGY
ATTENTION	: TIM WATCHERS
ADDRESS	: 4057 PORT CHICAGO HWY
CITY/STATE/ZIP	: CONCORD, CA 94520
REF/LOAN #	: CHEVRON 9-1723

VISTA REPORT NUMBER	: 1/028685-001
DATE OF REPORT	: 10/19/1993
SUBJECT PROPERTY	: 9757 SAN LEANDRO BLVD
CITY/COUNTY/STATE/ZIP	: OAKLAND, ALAMEDA, CA 94603

Dear Client:

In response to your recent order for services, we enclose your *Vista California Radius Detailed Report*. We hope you find the information helpful in your investigation. In the event you require additional information about any site identified in this report, please contact our *Customer Service Department* at (619) 450-6100.

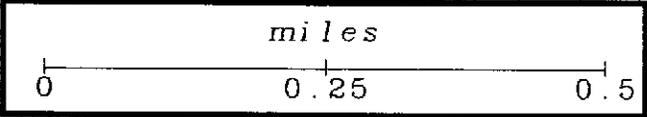
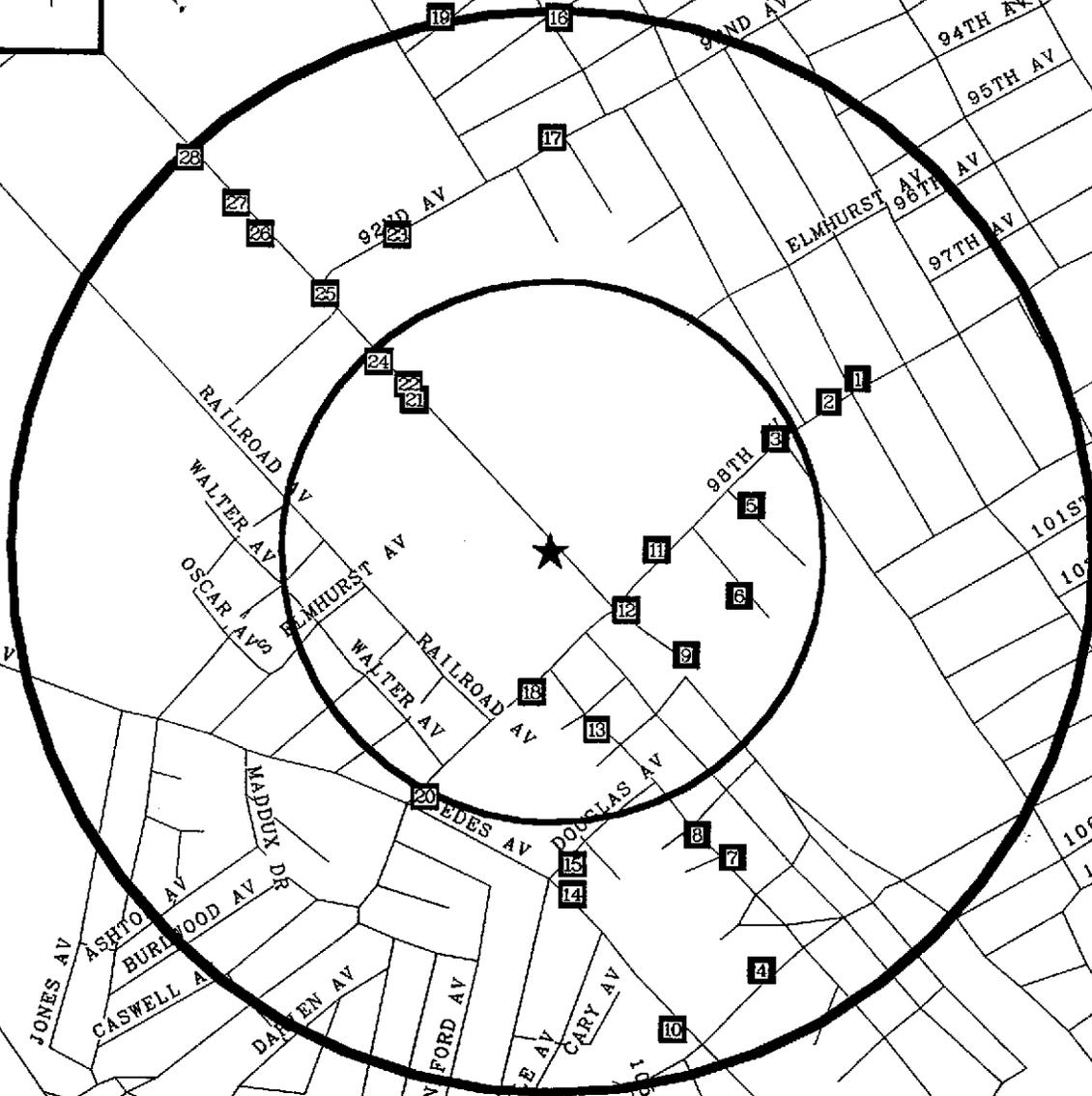
Please remember that this report represents only a search of the specific government records listed in the table of contents. Vista is aware of additional government record sources that have not been included in this report and Vista makes no representations of adequacy for Client's purposes. Please be aware that government environmental records often have incomplete or inaccurate locations and that all reports reflect locations of street addresses and do not necessarily indicate the size or specific location of any site. In addition, please recognize that government agencies do not list all sites of environmental contamination. Therefore, this report should not be used as a substitute for a complete Phase I Assessment.

This report is intended only for the use and benefit of the Client, and their assigns, who shall be the only parties authorized to review this report. This report is provided pursuant to a subscription agreement with Vista Environmental Information, Inc., and is subject to all of the terms and conditions thereof, SPECIFICALLY INCLUDING, BUT NOT LIMITED TO, PROVISIONS REGARDING CLIENTS USE AND LIMITATIONS OF VISTA ENVIRONMENTAL INFORMATION, INC.'S LIABILITY. We appreciate your patronage.

VISTA ENVIRONMENTAL INFORMATION, INC.

California Radius Detailed Report

- ★ Subject Property
- Multiple
- Single
- Government Listed Sites
- Railroads
- Surface hydrology



LIST OF RECORDS SEARCHED

This report represents a search of the following government database sources:

<u>DATABASE</u>	<u>TYPE OF RECORDS</u>	<u>AGENCY</u>
<i>CERCLIS</i>	: Contaminated Sites Under CERCLA (1980)	U.S. EPA
<i>NPL</i>	: Federal Superfund Sites	U.S. EPA
<i>LIENS</i>	: Filed Notices of Superfund Liens	U.S. EPA
<i>CORTESE</i>	: Hazardous Waste & Substances Site List	CAL-EPA
<i>CAL-SITES/ AWP</i>	: Contaminated sites listed on the Annual Work Plan, and cleanup sites under the Bond Expenditure Plan	California EPA
<i>BZP</i>	: Sites designated as Border Zone Properties (Deed Restrictions)	California EPA
<i>CAL-SITES/ ASPIS</i>	: Actually or potentially contaminated sites under the Abandoned Site Program	California EPA
<i>HWIS</i>	: Hazardous Waste Generators, Treatment, Storage & Disposal Facilities	California EPA
<i>SWIS</i>	: Active & Inactive Sanitary Landfills and Disposal Facilities	California Waste Management Board
<i>LUST</i>	: Leaking Underground Storage Tanks	California Regional Water Resources Control Boards

Due to the scale of the map, red and green squares on the map may represent more than one agency listing or location. For a detailed description of each source, please refer to the legends on the following pages.

For more information please call your VISTA account representative at (619) 450-6100.

CERCLIS

The information presented in this report is updated to June, 1993.

Since 1982, U.S. EPA has developed and maintained lists of contaminated properties under the federal Superfund program pursuant to the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA), 42 U.S.C. Section 9601 (1985). U.S. EPA discovers these sites from citizen reports, routine inspection of hazardous waste generators, treatment, storage and disposal facilities, and reporting requirements.

MAP ID NO.	SITE NAME STREET ADDRESS, CITY and ZIP	EVENT* TYPES	EPA ID, REGIONAL UTILITY DESCRIPTION*
14	ACTION PLATING 10132 EDES AVE OAKLAND 94603	RV1	CAD982347676 N/A
25	PACIFIC PUMPING CO MFG SITE 9201 SAN LEANDRO ST OAKLAND 94604	DS1 PA1 SI1 SI2	CAD088772629 OTHER: DISCHARGED LIQUID CHEMICAL WASTE INTO OPEN GROUND ERRIS SITE RCRA REGULATED: GENERATOR (SMALL QUANTITY HANDLER) SEE NOTI SITE INSPECTION REQUIRED MEDIUM PRIORITY

* See key on last page for definition

NATIONAL PRIORITY LIST (NPL)

The information presented in this report is updated to June, 1993.

U.S. EPA maintains this list under the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) 42 U.S.C. Section 9601 (1985). Once sites have been designated on the CERCLIS List, U.S. EPA uses its Hazard Ranking System (HRS) to determine potential risks to human health and the environment. Only those CERCLIS sites which present the greatest risk are added to the NPL, which qualifies the sites to receive CERCLA remedial funding.

MAP ID NO.	SITE NAME, STREET ADDRESS, CITY and ZIP	EPA ID, REGIONAL UTILITY DESCRIPTION*
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As of the date listed above, no sites listed in this database are located within a one half mile radius of the subject property.

* See key on last page for definition

FEDERAL SUPERFUND LIENS (LIENS)

The information presented in this report is updated to September, 1991.

Under Section 107(L) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) 42 U.S.C. Section 9607 (1), US EPA has authority to file liens against real property to recover clean up, response, and any other expenditure made by US EPA under the CERCLA program. US EPA has prepared a listing of filed notices of Superfund liens which is updated quarterly. Because these liens are "statutory liens," they arise when the agency spends money on a site or when notification of potential liability is received by the owner of the property. EPA maintains that these liens can arise without filing, however, and they suggest checking CERCLIS sites for lien status.

MAP

ID

NO.	SITE NAME	LOCATION	DATE FILED	RELEASE DATE
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As of the date listed above, no sites listed in this database are located within a one half mile radius of the subject property.

HAZARDOUS WASTE AND SUBSTANCES SITES LIST
CORTESE

The information presented in this report is updated to November, 1992.

The California Environmental Protection Agency (Cal-EPA) publishes a compilation of sites throughout the State of California. Under Government Code Section 65962.5, these sites are submitted to the Cal-EPA by the State Water Resources Control Board, the Integrated Waste Management Board, and the Department of Toxic Substances Control. The sites are extracted from the following databases:

A1025	Regulated Air Emissions at 10-25 tons/day.	IUR	Inventory Update Rule (Chemical Manufacturers)
AGT25	Regulated Air Emissions greater than 25 tons/day.	LTANK	Leaking Tank
ASPIS	Abandoned Sites Program Information System (included in CALSITES)	S1987 - S1990	California TRIS
DTSCD	Department of Toxic Substance Control Docket	SWRCB	State Water Resources Control Board
FINDS	Facility Index System	UTANK	Underground Tank
HWIS	Hazardous Waste Information System	WB-LF	Waste Board - Leaking Facility (site has known migration)
		WDSE	Waste Discharge System - Enforcement Action

MAP ID

NO.	SITE	LOCATION	CITY	ZIP	DATABASE	AGENCY ID
3	PACIFIC BELL	1031 98TH AVE	OAKLAND	N/A	LTANK	N/A
3	PIONEER PACKING	1025 98TH AVE	OAKLAND	94603	LTANK	N/A
5	BERETTA PROPERTY	9838 GOULD ST	OAKLAND	94612	LTANK	N/A
8	MELROSE METAL FINISHING INC	10222 PEARMAIN ST	OAKLAND	94603	LTANK	N/A
8	MELROSE METAL FINISHING	10222 PEARMAIN ST	OAKLAND	94603	FINDS	CAD981991714
8	MELROSE METAL FINISHING	10222 PEARMAIN ST	OAKLAND	94603	HWIS	CAD981991714
9	WELLS FARGO BANK	9999 SAN LEANDRO ST	OAKLAND	94105	LTANK	N/A
11	FLEISCHMANN'S YEAST INC	921 98TH AVE	OAKLAND	N/A	LTANK	N/A
11	FLEISCHMANN'S YEAST INC.	921 98TH AVE	OAKLAND	N/A	S1987	10306
11	FLEISCHMANN'S YEAST INC.	921 98TH AVE	OAKLAND	N/A	S1990	10306
11	FLEISCHMANN'S YEAST INC.	921 98TH AVE	OAKLAND	00000	S1988	10306
11	FLEISCHMANN'S YEAST INC.	921 98TH AVE	OAKLAND	00000	S1989	10306
11	NABISCO BRANDS INC.	921 98TH AVE	OAKLAND	N/A	S1989	10429
11	NABISCO BRANDS INC.	921 98TH AVE	OAKLAND	00000	S1987	10429
11	NABISCO BRANDS INC.	921 98TH AVE	OAKLAND	00000	S1988	10429
11	NABISCO BRANDS INC.	921 98TH AVE	OAKLAND	00000	S1990	10429

CORTESE continued...

MAP
ID

NO.	SITE	LOCATION	CITY	ZIP	DATABASE	AGENCY ID
11	FLEISCHMANN YEAST COMPANY	921 98TH AVE	OAKLAND	N/A	A1025	2300
11	FLEISCHMANN YEAST INC	921 98TH AVE	OAKLAND	N/A	HWIS	CAD981572373
11	NABISCO BRANDS INC	921 98TH AVE	OAKLAND	N/A	HWIS	CAD981632615
11	NABISCO BRANDS INC.	921 98TH AVE	OAKLAND	N/A	HWIS	CAD000048504
12	CITY OF OAKLAND	9801 SAN LEANDRO	OAKLAND	94612	LTANK	N/A
12	THRIFTY OIL STN. #061	9801 SAN LEANDRO	OAKLAND	94612	UTANK	4709
16	LIDELL IRON CRAFT	1000 90TH AVE	OAKLAND	94603	LTANK	N/A
18	CITY OF OAKLAND	816 98TH AVE	OAKLAND	94612	LTANK	N/A
19	LANAIDOR	925 89TH AVE	OAKLAND	94621	LTANK	N/A
20	N/A	670 98TH AVE	OAKLAND	94603	LTANK	N/A
20	UNOCAL SVC STA #2720	670 98TH AVE	OAKLAND	94603	HWIS	CAD982054124
21	OAKLAND PLANT	9401 SAN LEANDRO BLVD	OAKLAND	94604	UTANK	29751
22	GERBER PRODUCT CO.	9401 SAN LEANDRO BLVD	OAKLAND	94604	LTANK	N/A
22	GERBER PROD CO	9401 SAN LEANDRO BLVD	OAKLAND	94604	FINDS	CAD009196502
23	PACO PUMPS	845 92ND AVE	OAKLAND	N/A	ASPIS	01350116
23	PACIFIC PUMPING CO ADMIN OFFIC	845 92ND AVE	OAKLAND	N/A	FINDS	CAD056197809
23	PACO PUMPS INC	845 92ND AVE	OAKLAND	N/A	HWIS	CAL000021790
24	QUIKRETE	9315 SAN LEANDRO ST	OAKLAND	94803	LTANK	N/A
24	QUIKRETE NORTHERN CALIFORNIA	9315 SAN LEANDRO ST	OAKLAND	94803	UTANK	11081
24	NPD-SAN LEANDRO STREET PLANT	9315 SAN LEANDRO ST	OAKLAND	94803	SWRCB	2 019139001
24	WDR-COYOTE HILLS REG PARK	9315 SAN LEANDRO ST	OAKLAND	94803	SWRCB	2 019139001
24	SAKCRETE OF CAL	9315 SAN LEANDRO ST	OAKLAND	94803	HWIS	CAD982007437
24	SAKCRETE OF CALIF	9315 SAN LEANDRO ST	OAKLAND	94803	FINDS	CAD982007437
26	AMERICAN TRACTOR	9131 SAN LEANDRO ST	OAKLAND	94603	LTANK	N/A

CORTESE continued...

MAP
ID

NO. SITE	LOCATION	CITY	ZIP	DATABASE	AGENCY ID
27 ALAMEDA CHEMICAL COMPANY	9029 SAN LEANDRO	OAKLAND	94603	LTANK	N/A
27 ALAMEDA CHEM & SCIENTIFIC	9029 SAN LEANDRO	OAKLAND	94603	HWIS	CAX000224055

CAL-SITES (AWP)

The information presented in this report is updated to July, 1993.

The Annual Work Plan (AWP) contains a listing of all verified hazardous waste sites that are or will be targeted for abatement by the California Environmental Protection Agency under the Hazardous Substance Cleanup Bond Act of 1984 (Health and Safety Code Section 25356) and the Hazardous Substance Account (HSA). Hazardous waste sites may be discovered by the department directly or referred to the department for confirmation and follow up action by another government agency, such as a local health department, a Regional Water Quality Control Board, a responsible party or a concerned citizen. New sites are added to this database as they are verified and the "Preliminary Assessment, Site Investigation and Hazard Ranking System" processes are completed. This database is updated once annually after approval of the California state legislature and has been incorporated into the CAL-SITES database.

This database currently contains a list of approximately 250 sites in the State of California.

MAP

ID

NO

SITE NAME

STREET ADDRESS

CITY

ZIP

SITE INFORMATION*

As of the date listed above, no sites listed in this database are located within a one half mile radius of the subject property.

* See key on last page for definition

BORDER ZONE PROPERTY ACT SITES
(DEED RESTRICTIONS)

The information provided in this report is updated to September, 1992.

In accordance with Assembly Bill 816, and the Hazardous Waste Property/Border Zone Property Law (Health & Safety Code 25220), the CAL-BPA, Toxic Substances Control Program (TSCP) enters into voluntary deed restriction agreements with owners of property who propose building residences, schools, hospitals or day care centers on property that is "on or within 2,000 feet of a significant disposal of hazardous waste". Restrictions may include "activities on, over, or under the land, including, but not limited to, a prohibition against building, filling, grading, excavating, or mining" without the written permission of the TSCP.

This bill requires the TSCP to "notify the planning and building department of each city, county, or regional council of governments when a land use restriction has been recorded, and would require the planning and building department to enforce the restriction," although the TSCP has compiled a list of properties subject to environmental deed restrictions which is used to notify various building and planning departments in local jurisdictions.

MAP ID NO.	SITE NAME	ADDRESS	CITY	ZIP
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As of the date listed above, no sites listed in this database are located within a one half mile radius of the subject property.

CAL-SITES (ASPIS)

The information presented in this report is updated to July, 1993.

Developed under Section 25359.6 of the Health and Safety Code, the California EPA Toxic Substance Control Program (TSCP) maintains a listing of potential and known hazardous waste sites. TSCP staff have interviewed officials from county health agencies, local fire departments, county agricultural commissioners, and other local agencies that could reasonably be expected to have information regarding potential waste sites. The Regional Water Quality Control Boards, Department of Fish and Game and other state environmental regulatory agencies' TSCP staffs also review historical land use data sources to generate lists of potentially contaminated sites.

This database was formerly known as the Abandoned Site Program Information System, but was integrated into the CAL-SITES database in 1991. Information concerning most of these sites should be considered preliminary although most confirmed sites from this database are merged into the AWP once they have been hazard ranked. This database currently contains more than 26,000 sites in the State of California.

MAP ID NO.	FACILITY NAME	LOCATION	CITY	ZIP	FACILITY NO.	STATUS CODE*
4	CHEMICALS & SUPPLIES	751 105TH AVENUE	OAKLAND	94603	01280031	NFA
8	GOLDEN GATE DIE CASTING	10201 PEARMAIN STREET	OAKLAND	94603	01330007	NFA
10	CUSTOM COATINGS COMPANY	10441 EDES AVENUE	OAKLAND	94603	01170026	NFA
13	MILLER MACHINE COMPANY	9929 PEARMAIN STREET	OAKLAND	94603	01340050	NFA
14	ACTION PLATING (2W)	10132 EDES AVENUE	OAKLAND	94603	01340116	CNTY
23	PACO PUMPS	845 92ND AVENUE	OAKLAND	94603	01350116	PEARL
25	BALTIMORE AIR COIL COMPANY	9201 SAN LEANDRO BOULEVARD	OAKLAND	94603	01350111	SSR

* See "Key to Terms" on last page of report for definition

HAZARDOUS WASTE INFORMATION SYSTEMS (HWIS)

The information presented in this report is updated to December, 1992.

The California Department of Health Services, Toxic Substances Control Division, has developed and maintained lists of hazardous waste generators and hazardous waste treatment storage and disposal facilities in the State of California, pursuant to the Hazardous Waste Control Law (Health and Safety Code Section 25100 et seq.), and the Hazardous Waste Management Act of 1976 (Health and Safety Code Section 25179.1 et seq). In addition, this law requires all counties to prepare and submit hazardous waste management plans. To assist the counties, the Toxic Substances Control Division maintains lists containing generation and disposal data within each county. This information has been assembled by the Toxic Substances Control Division from manifest reports required from hazardous waste generators. This database currently lists over 20,000 sites in the state of California.

MAP ID NO.	EPA NO.	FACILITY NAME	ADDRESS	CITY	GEN/TSD *
1	CAD049087547	EAST BAY BODY & FENDER	1101 98TH AVENUE	OAKLAND	GEN
4	CAD981687015	HOLCHEM INC	751 105TH AVE	OAKLAND	GEN
6	CAL000040618	HTI TANK WASH	9957 MEDFORD AVE BLDG 11	OAKLAND	GEN
7	CAD066568130	K & L PLATING & MANUFACTURING	10306 PEARMAIN ST	OAKLAND	GEN
8	CAD981991714	MELROSE METAL FINISHING	10222 PEARMAIN ST	OAKLAND	GEN
11	CAD981572373	FLEISCHMANN YEAST INC	921 98TH AVE	OAKLAND	GEN
11	CAD981632615	NABISCO BRANDS INC	921 98TH AVE	OAKLAND	GEN
17	CAD056197809	PACIFIC PUMPING COMPANY	945 92ND AVENUE	OAKLAND	GEN
23	CAL000031115	CHIPMAN CORP MAINT DEPT	850 92ND AVE	OAKLAND	GEN
25	CAD088772629	PACIFIC PUMPING COMPANY	9201 SAN LEANDRO ST.	OAKLAND	GEN
27	CAD981452261	ALAMEDA CHEMICAL & SCIENTIFIC	9029 SAN LEANDRO ST	OAKLAND	GEN

See "Key to Terms" on last page of report for definition

SOLID WASTE INFORMATION SYSTEM (SWIS)

The information presented in this report is updated to March, 1993.

The California Integrated Waste Management Board maintains an inventory list of both open as well as closed and inactive solid waste disposal facilities and transfer stations pursuant to the Solid Waste Management and Resource Recovery Act of 1972, Government Code Section 2.66790(b). Generally, the California Integrated Waste Management Board learns of locations of disposal facilities through permit applications and from local enforcement agencies. Since 1977, the SWIS system has grown to track over 1000 solid waste disposal facilities and transfer stations in the State of California.

MAP	ID	SWIS	FACILITY	ADDRESS	CITY	OPERATIONAL	WASTE	TONS/DAY
NO.	ID		NAME			STATUS	RECEIVED	

As of the date listed above, no sites listed in this database are located within a one half mile radius of the subject property.

See "Key to Terms" on last page of report for definition

LEAKING UNDERGROUND STORAGE TANKS (LUST)

The information presented in this report is updated to:

Region 1 - June 1993: North Coast	Region 5 - July 1993: Central Valley
Region 2 - May 1993: San Francisco Bay Area	Region 6 - June 1993: Lahontan Area
Region 3 - June 1993: Central Coast	Region 7 - April 1993: Colorado River Basin
Region 4 - August 1993: Greater Los Angeles Area	Region 8 - July 1993: Santa Ana Area
Region 9 - June 1993: Greater San Diego Area	

The California State Water Resources Control Board, in cooperation with the Office of Emergency Services, compiles lists of all leaks of hazardous substances from underground storage tanks in the State of California pursuant to Section 25295 (b) of the Health and Safety Code. The nine regional boards maintain information on all reported leak cases within their jurisdiction, both for those where the regional board and where other local agencies take the lead in overseeing investigations and remedial actions. The California Environmental Protection Agency's Department of Hazardous Materials Data Management collects the nine regional lists and publishes them as one database named LUSTIS.

Status codes for some regions are not available directly from the nine boards. For those regions VISTA supplements the region's status codes with state LUSTIS status codes. Information from LUSTIS is placed in parentheses and has been updated to May, 1993.

MAP ID NO.	FACILITY	STREET	CITY	ZIP	SUBSTANCE *	GALLONS LOST	CASE TYPE *	STATUS *	REMEDIAL ACTION CODE *
2	PETERSON PROPERTY	1083 98TH AVE	OAKLAND	N/A	(8006619)		(S)	(0)	(NT)
3	ANGELO PARDISO	1031 98TH AVE	OAKLAND	N/A	(8006619)		(S)	(0)	(NT)
3	PIONEER PACKING	1025 98TH AVE	OAKLAND	N/A	(12034)		(S)	(0)	(ET)
5	BERETTA PROPERTY	9838 GOULD ST.	OAKLAND	N/A	(8006619)		(S)	(3A)	(NT)
8	MELROSE METAL FINISHING INC	10222 PEARMAIN ST	OAKLAND	N/A	(8006619)		(S)	(3A)	(NT)
9	WELLS FARGO BANK	9999 SAN LEANDRO ST	OAKLAND	N/A	(8006619)		(S)	(0)	(NT)
11	FLEISCHMANN'S YEAST INC	921 98TH AVE	OAKLAND	N/A	(12034)		(G)	(5C)	(NT)
12	CITY OF OAKLAND	9801 SAN LEANDRO ST	OAKLAND	N/A	(12036)		(G)	(3B)	(NT)
15	ABDO ALLEN CO	718 DOUGLAS AVE	OAKLAND	N/A	(12034)		(S)	(0)	(NT)
16	LIDELL IRON CRAFT	1000 90TH AVE	OAKLAND	N/A	(8006619)		(S)	(0)	(NT)

See "Key to Terms" on last page of report for definition

LUST continued...

MAP ID NO.	FACILITY	STREET	CITY	ZIP	SUBSTANCE	GALLONS LOST	CASE TYPE*	STATUS*	REMEDIAL ACTION CODE*
18	CITY OF OAKLAND	98TH ST & EDES AVE	OAKLAND	N/A	(12034)		(G)	(3B)	(ED)
18	CITY OF OAKLAND	816 98TH AVE	OAKLAND	N/A	(12034)		(G)	(3B)	(ED)
19	LANAIDOR	925 89TH AVE	OAKLAND	N/A	(8006619)		(S)	(5C)	(NT)
20	N/A	670 98TH AVE	OAKLAND	N/A	(8006619)		(S)	(0)	(NT)
21	GERBER PRODUCT CO.	9401 SAN LEANDRO ST	OAKLAND	N/A	(12034)		(G)	(3B)	(NT)
24	QUIKRETE	9315 SAN LEANDRO ST	OAKLAND	N/A	(12034)		(S)	(0)	(NT)
25	PACIFIC RAILWAY	92ND & SAN LEANDRO S	OAKLAND	N/A	(12034)		(S)	(0)	(NT)
26	AMERICAN TRACTOR	9131 SAN LEANDRO ST	OAKLAND	N/A	(8006619)		(S)	(5C)	(NT)
27	ALAMEDA CHEMICAL COMPANY	9029 SAN LEANDRO ST	OAKLAND	N/A	(12036)		(S)	(0)	(NT)
28	LOCKUP SELF STORAGE	8855 SAN LEANDRO ST	OAKLAND	N/A	(12034)		(G)	(0)	(NT)

* See "Key to Terms" on last page of report for definition

KEY TO TERMS/ABBREVIATIONS USED IN THIS REPORT:

N/A: An entry having "N/A" in a field indicates no information is available at this time.

CERCLIS:

* **EVENT TYPE** - Evaluation and disposition information:

AR = Administrative Record	NP = Proposal to NPL
AS = Aerial Survey	NR = Removed from Proposed NPL
CO = Combined RI/SI	OH = Other Event
CR = Remedial Community Relations	OM = Operations and Maintenance
CT = Community Relations Technical Assistance	OS = Oversight of State by Fund
DA = Design Assistance	PA = Preliminary Assessment
DS = Discovery	PD = Public Comments on Deletion Package
ED = Endangerment Assessment	PR = Planned Removal
EO = EDD	RA = Remedial Action
ER = Expedited Response Action	RC = Removal Community Relations
ES = Expanded Site Inspection	RD = Remedial Design
EV = Evacuation State/Local	RI = Remedial Investigation (Primarily for Historical Purposes)
FM = Forward Planning/Management Assistance	RM = RAMP -- Remedial Action Master Plan (for Historical Purposes only)
FP = Forward Planning Activity (for Historical Purposes only)	RO = ROD
FS = Feasibility Study (Primarily for Historical Purposes)	RS = Removal Investigation
GS = Geophysical Support/Mapping	RV = Removal Action
HA = Health Assessment	SE = Site Access
HR = Final Hazard Ranking Determined	SI = Site Inspection
IM = Initial Remedial Measure	TA = Technical Assistance
IR = Immediate Removal	TG = Community Relations Technical Assistance
LA = Long-Term Response	TO = Topographical Mapping
LR = Long-Term Response	TR = Temporary Relocation
MA = Management Assistance	UR = Underground Storage Tank Removal
NA = NAA	WP = RI/FS Workplan Approved by HQ
ND = NPL Deletion Process	Z_ = (For Internal Office Use only)
NF = Final Listing on NPL	

* **EVENT QUALIFIER** - Actual or anticipated actions and priorities:

C = Clean up.	M = Medium priority.
D = Deferred.	N = No further remedial action planned.
E = Administrative record compilation / remedial event.	S = Stabilization.
G = Recommended for HRS scoring.	U = Unknown.
H = Higher priority.	V = Administrative record compilation / removal event.
L = Lower priority.	

* **REGIONAL UTILITY DESCRIPTION** - Provides information developed by U.S. EPA's regional office about the nature of contamination at a specific site.

NPL:

* **SITE DESCRIPTION** - Provides a brief explanation of the contaminants and circumstances of a particular site.

AWP (FORMERLY BEP):

- * **SITE INFORMATION** - Provides a brief description of the hazardous wastes on the site, the potential threat to public health and the status of the site.

CAL-SITES (FORMERLY ASPIS):

- * **STATUS CODE** - Indicates the current status of a site and whether it is scheduled for further investigation by DHS Toxic Substances Control Division.

"AWP"	"Annual Workplan" - in remediation.
"BKLG"	"Backlog" - potential AWP site which has been hazard ranked but which is not on the annual workplan.
"CERT"	"Certified" - has been remediated.
"CNTY"	"County lead site" - not a candidate for the annual workplan and the local county has the lead.
"COM"	"Certified Operation and Maintenance" - has been certified but is still in operation and maintenance.
"DLIST"	"Delisted" - taken off the AWP usually for administrative reasons, for example: if several sites are consolidated, the old sites could be given this status.
"EPA"	"EPA lead" - not on the NPL, yet EPA has assumed the lead.
"HRR"	"Hazard Ranking Required" - has had a Preliminary Endangerment Assessment or equivalent evaluation and needs to be hazard ranked.
"NFA"	"No Further Action" - based on the information available on the site's potential to threaten public health and/or the environment, DTSC staff have judged this site to require no further departmental action.
"OAL"	"Other Agency Lead" - not on the AWP and has a lead agency other than the county, the RWQCB, EPA, or RCRA.
"PEARH"	"Preliminary Endangerment Assessment Required, High priority" - judged by DTSC staff to have a high probability of posing a public health or environmental threat.
"PEARL"	"Preliminary Endangerment Assessment Required, Low priority".
"PEARM"	"Preliminary Endangerment Assessment Required, Medium priority".
"PRP"	"Potential Responsible Party search required" - not on the AWP but needs a PRP search, after which would normally receive a ranking of AWP or BKLG.
"RCRA"	"Resource Conservation and Recovery Act" lead - is being mitigated under the Permitting Program and has never been on the AWP or BEP.
"REFRC"	"Referred to RCRA" - has been on the AWP or BEP in the past and is being mitigated under the lead of the permitting program.
"REFRW"	"Referred to RWRQCB" - formerly on the AWP or BEP and is now being mitigated under the lead of the Regional Water Quality Control Board.
"RWQCB"	"Referred to RWQCB" - has never been on the AWP or BEP; is being mitigated under the lead of the RWQCB.
"SSR"	Site Screen Required. The site requires initial screening.

HWIS:

* **GEN/TSD** - Indicates whether the listed facility is a generator of hazardous waste or is a treatment, storage or disposal facility.

LUST:

*** SUBSTANCE CODES**

MOTOR OIL = 08
BOILER FUEL = 09
#6 FUEL OIL = 10
HEATER FUEL = 12
SOLVENTS = 13
HYDRAULIC OIL = 14
WASTE WATER = 32
MINERAL SPIRITS = 41
PAINT THINNER = 49
OIL\GREASE WASTE = 51
DRY CLEANING SOLVENT = 52
WATER\WASTE OIL MIX = 61
LUBRICATING OIL = 71
HYDROCARBONS = 76
COOLANT = 77
ALIPHATIC HYDROCARBONS = 78
TRANSMISSION FLUID = 80
LACQUER THINNER = 84
NAPTHA DISTILLATE = 101
V,M&P NAPTHA = 116
CUTTING OIL = 122

#5 FUEL OIL = 127
CHLORINATED HYDROCARBONS = 142
FREON = 171
ALCOHOL = 172
UNLEADED GASOLINE = 12031
REGULAR GASOLINE = 12032
PREMIUM GASOLINE = 12033
DIESEL = 12034
WASTE OIL = 12035
MISC. VEHICLE FUEL = 12036
JET FUEL = 12037
CYANIDES, SALTS = 57125
ETHYL ALCOLHOL = 64175
ACETIC ACID = 64197
METHYL ALCOLHOL = 67561
ISOPROPYL ALCOHOL = 67630
ACETONE = 67641
BENZENE = 71432
METHYLENE CHLORIDE = 75092
METHYL ETHYL KETONES = 78933
TCE = 79016

PSEUDODOCUMENE = 95636
XYLENE = 106423
ETHYLENE DICHLORIDE = 107062
TOLUENE = 108883
TETRAHYDROFURAN = 109999
PERCHLORETHYLENE = 127184
DINITROTOLUENES = 610399
NICKEL OXIDE = 1313991
PCB = 1336363
LEAD = 7439921
NICKEL = 7440020
CHROMIUM = 7440473
COPPER = 7440508
CRUDE OIL (HAZ.) = 8002059
GASOLINE = 8006619
COAL TAR = 8007452
KEROSENE = 8008206
STODDARD SOLVENTS = 8052413
ASPHALT = 8052424
POLYESTER RESIN = 25037665

*** CASE TYPE CODES**

D - One or more domestic or municipal supply wells have been contaminated.
G - Ground water has been affected.
S - Only soil has been affected.
U - The type of resources affected or extent of the resources affected are not known.

LUST continued...

*** STATUS CODES**

- C Remedial action (cleanup) in progress.
- 0 No Action
No action has been taken by the responsible party after the initial report of the leak.
- 1 Leak Being Confirmed
A leak is suspected at a site, includes inspection of the excavation, and tank and appurtenant plumbing to determine existence of leak.
- 3A Preliminary Site Assessment Workplan Submitted
A workplan/proposal has been requested of, or submitted by, the responsible party in order to determine whether groundwater has been, or will be, impacted as a result of a release from any underground tanks or associated piping.
- 3B Preliminary Site Assessment Underway
Implementation of a workplan addressing the above described tasks.
- 5C Pollution Characterization
Responsible party is in the process of installing additional monitoring wells and/or borings in order to fully define the lateral and vertical extent of contamination in soil and ground water and assess the Hydrogeology of the area. This phase of work may also include performing aquifer tests, soil gas surveys, continued ground water gradient determinations and monitoring, assessing impacts of surface and/or ground water.
- 5R Remediation plan
A remediation plan has been submitted evaluating long term remediation options. A proposal and implementation schedule for an appropriate remediation option has also been submitted. This phase of work may also include preparing and submitting the necessary information for any permits needed prior to implementation of the plan (NPDES or MDR).
- 7 Remedial Action
Implementation of corrective action plan.
- 8 Post Remedial Action Monitoring
Periodic ground water or other monitoring at the site, as necessary, in order to verify and/or evaluate the effectiveness of remedial activities.
- 9 Case Closed
The Regional Board and the Local Agency are in concurrence that no further work is necessary at the site. (9L: Closed by county. 9R: Closed by RWQCB.)
- 10 Cease and Abate Order

*** REMEDIAL ACTION CODES**

- CB Containment Barrier -- install vertical dike to block horizontal movement of contaminant.
- CD Cap Site -- install horizontal impermeable layer to reduce rainfall infiltration.
- ED Excavate and Dispose -- remove contaminated soil and dispose in approved site.
- ET Excavate and Treat -- remove contaminated soil and treat (includes spreading or land farming).
- FP Remove Free Product -- remove floating product from water table.
- GT Pump and Treat Ground Water -- generally employed to remove dissolved contaminants.
- HU Treatment at Hookup -- install water treatment devices at each dwelling or other place of use.
- IT Enhanced Biodegradation -- use of any available technology to promote bacterial decomposition of contaminants.
- NA No Action Required -- incident is minor, requiring no remedial action.
- NT No Action Taken -- no indication that action was taken.
- OT Other
- RS Replace Supply -- provide alternative water supply to affected parties.
- UK Unknown -- action not known, or unknown if action taken.
- VE,VES Vapor Extraction
- VS,VT Vent Soil -- bore holes in soil to allow volatilization of contaminants.

COUNTY:

- | | | |
|-----------|---|--------------------------|
| Class I | Hazardous Materials Accepted (No Radioactivity) | |
| Class II | Mixed Municipal rubbish | |
| Class III | Solid waste (concrete) | Type DB Debris Basin |
| Class IV | Large Volume transfer station | Type LF Landfill |
| Class SV | Small Volume transfer station | Type TS Transfer Station |

NOTE: ALL DESIGNATIONS ARE SUBJECT TO CHANGE.

Index to Map Id Numbers

Map Id Nbr	Agency Name	Site Name	Street Address	City	ZIP
1	HWIS	EAST BAY BODY & FENDER	1101 98TH AVENUE	OAKLAND	N/A
2	LUST	PETERSON PROPERTY	1083 98TH AVE	OAKLAND	N/A
3	CORTESE	PACIFIC BELL	1031 98TH AVE	OAKLAND	00000
3	LUST	ANGELO PARDISO	1031 98TH AVE	OAKLAND	N/A
3	CORTESE	PIONEER PACKING	1025 98TH AVE	OAKLAND	94603
3	LUST	PIONEER PACKING	1025 98TH AVE	OAKLAND	N/A
4	CASITES	CHEMICALS & SUPPLIES	751 105TH AVENUE	OAKLAND	94603
4	HWIS	HOLCHEM INC	751 105TH AVE	OAKLAND	N/A
5	CORTESE	BERETTA PROPERTY	9838 GOULD ST	OAKLAND	94612
5	LUST	BERETTA PROPERTY	9838 GOULD ST.	OAKLAND	N/A
6	HWIS	HTI TANK WASH	9957 MEDFORD AVE BLDG 11	OAKLAND	N/A
7	HWIS	K & L PLATING & MANUFACTURING	10306 PEARMAIN ST	OAKLAND	N/A
8	CORTESE	MELROSE METAL FINISHING	10222 PEARMAIN ST	OAKLAND	94603
8	CORTESE	MELROSE METAL FINISHING	10222 PEARMAIN ST	OAKLAND	94603
8	CORTESE	MELROSE METAL FINISHING INC	10222 PEARMAIN ST	OAKLAND	94603
8	HWIS	MELROSE METAL FINISHING	10222 PEARMAIN ST	OAKLAND	N/A
8	LUST	MELROSE METAL FINISHING INC	10222 PEARMAIN ST	OAKLAND	N/A
8	CASITES	GOLDEN GATE DIE CASTING	10201 PEARMAIN STREET	OAKLAND	94603
9	CORTESE	WELLS FARGO BANK	9999 SAN LEANDRO ST	OAKLAND	94105
9	LUST	WELLS FARGO BANK	9999 SAN LEANDRO ST	OAKLAND	N/A
10	CASITES	CUSTOM COATINGS COMPANY	10441 EDES AVENUE	OAKLAND	94603
11	CORTESE	FLEISCHMANN YEAST COMPANY	921 98TH AVE	OAKLAND	00000
11	CORTESE	NABISCO BRANDS INC	921 98TH AVE	OAKLAND	00000
11	CORTESE	NABISCO BRANDS INC.	921 98TH AVE	OAKLAND	00000
11	CORTESE	FLEISCHMANN YEAST INC	921 98TH AVE	OAKLAND	00000
11	CORTESE	FLÉISCHMANN'S YEAST INC	921 98TH AVE	OAKLAND	00000
11	CORTESE	FLEISCHMANN'S YEAST INC.	921 98TH AVE	OAKLAND	00000
11	CORTESE	NABISCO BRANDS INC.	921 98TH AVE	OAKLAND	00000
11	CORTESE	FLEISCHMANN'S YEAST INC.	921 98TH AVE	OAKLAND	00000
11	CORTESE	NABISCO BRANDS INC.	921 98TH AVE	OAKLAND	00000
11	CORTESE	FLEISCHMANN'S YEAST INC.	921 98TH AVE	OAKLAND	00000
11	CORTESE	NABISCO BRANDS INC.	921 98TH AVE	OAKLAND	00000
11	CORTESE	FLEISCHMANN'S YEAST INC.	921 98TH AVE	OAKLAND	00000
11	CORTESE	NABISCO BRANDS INC.	921 98TH AVE	OAKLAND	00000
11	HWIS	FLEISCHMANN YEAST INC	921 98TH AVE	OAKLAND	N/A
11	HWIS	NABISCO BRANDS INC	921 98TH AVE	OAKLAND	N/A
11	LUST	FLEISCHMANN'S YEAST INC	921 98TH AVE	OAKLAND	N/A
12	CORTESE	THRIFTY OIL STN. #061	9801 SAN LEANDRO	OAKLAND	94612

Index to Map Id Numbers

Map Id Nbr	Agency Name	Site Name	Street Address	City	ZIP
12	LUST	CITY OF OAKLAND	9801 SAN LEANDRO ST	OAKLAND	N/A
12	CORTESE	CITY OF OAKLAND	9801 SAN LEANDRO	OAKLAND	94612
13	CASITES	MILLER MACHINE COMPANY	9929 PEARMAIN STREET	OAKLAND	94603
14	CASITES	ACTION PLATING (2W)	10132 EDES AVENUE	OAKLAND	94603
14	CERCLIS	ACTION PLATING	10132 EDES AVE	OAKLAND	94603
15	LUST	ABDO ALLEN CO	718 DOUGLAS AVE	OAKLAND	N/A
16	CORTESE	LIDELL IRON CRAFT	1000 90TH AVE	OAKLAND	94603
16	LUST	LIDELL IRON CRAFT	1000 90TH AVE	OAKLAND	N/A
17	HWIS	PACIFIC PUMPING COMPANY	945 92ND AVENUE	OAKLAND	N/A
18	CORTESE	CITY OF OAKLAND	816 98TH AVE	OAKLAND	94612
18	LUST	CITY OF OAKLAND	816 98TH AVE	OAKLAND	N/A
18	LUST	CITY OF OAKLAND	98TH ST & EDES AVE	OAKLAND	N/A
19	CORTESE	LANAIDOR	925 89TH AVE	OAKLAND	94621
19	LUST	LANAIDOR	925 89TH AVE	OAKLAND	N/A
20	CORTESE	UNOCAL SVC STA #2720	670 98TH AVE	OAKLAND	94603
20	CORTESE	N/A	670 98TH AVE	OAKLAND	94603
20	LUST	N/A	670 98TH AVE	OAKLAND	N/A
21	CORTESE	OAKLAND PLANT	9401 SAN LEANDRO BLVD	OAKLAND	94604
21	LUST	GERBER PRODUCT CO.	9401 SAN LEANDRO ST	OAKLAND	N/A
22	CORTESE	GERBER PROD CO	9401 SAN LEANDRO BLVD	OAKLAND	94604
22	CORTESE	GERBER PRODUCT CO.	9401 SAN LEANDRO BLVD	OAKLAND	94604
23	HWIS	CHIPMAN CORP MAINT DEPT	850 92ND AVE	OAKLAND	N/A
23	CASITES	PACO PUMPS	845 92ND AVENUE	OAKLAND	94603
23	CORTESE	PACO PUMPS	845 92ND AVE	OAKLAND	00000
23	CORTESE	PACIFIC PUMPING CO ADMIN OFFIC	845 92ND AVE	OAKLAND	00000
23	CORTESE	PACO PUMPS INC	845 92ND AVE	OAKLAND	00000
24	CORTESE	SAKCRETE OF CALIF	9315 SAN LEANDRO ST	OAKLAND	94803
24	CORTESE	SAKCRETE OF CAL	9315 SAN LEANDRO ST	OAKLAND	94803
24	CORTESE	QUIKRETE	9315 SAN LEANDRO ST	OAKLAND	94803
24	CORTESE	NPD-SAN LEANDRO STREET PLANT	9315 SAN LEANDRO ST	OAKLAND	94803
24	CORTESE	WDR-COYOTE HILLS REG PARK	9315 SAN LEANDRO ST	OAKLAND	94803
24	CORTESE	QUIKRETE NORTHERN CALIFORNIA	9315 SAN LEANDRO ST	OAKLAND	94803
24	LUST	QUIKRETE	9315 SAN LEANDRO ST	OAKLAND	N/A
25	CASITES	BALTIMORE AIR COIL COMPANY	9201 SAN LEANDRO BOULEVARD	OAKLAND	94603
25	CERCLIS	PACIFIC PUMPING CO MFG SITE	9201 SAN LEANDRO ST	OAKLAND	94604
25	HWIS	PACIFIC PUMPING COMPANY	9201 SAN LEANDRO ST.	OAKLAND	N/A

Index to Map Id Numbers

Map Id Nbr	Agency Name	Site Name	Street Address	City	ZIP
25	LUST	PACIFIC RAILWAY	92ND & SAN LEANDRO S	OAKLAND	N/A
26	CORTESE	AMERICAN TRACTOR	9131 SAN LEANDRO ST	OAKLAND	94603
26	LUST	AMERICAN TRACTOR	9131 SAN LEANDRO ST	OAKLAND	N/A
27	CORTESE	ALAMEDA CHEM & SCIENTIFIC	9029 SAN LEANDRO	OAKLAND	94603
27	CORTESE	ALAMEDA CHEMICAL COMPANY	9029 SAN LEANDRO	OAKLAND	94603
27	HWIS	ALAMEDA CHEMICAL & SCIENTIFIC	9029 SAN LEANDRO ST	OAKLAND	N/A
27	LUST	ALAMEDA CHEMICAL COMPANY	9029 SAN LEANDRO ST	OAKLAND	N/A
28	LUST	LOCKUP SELF STORAGE	8855 SAN LEANDRO ST	OAKLAND	N/A



Dear Vista Customer:

The report you have just received may show several sites in the mentions section. Mentions are environmental risk sites that have not been or can not be plotted on a map. This is due to one of two circumstances related to how we locate street addresses on our maps. Plotting consists of translating a street address into a latitude and longitude coordinate, or an actual point on a map.

1) A site cannot be plotted because of inaccurate or missing locational information in the record provided by the reporting agency. For many of these records, Vista has corrected or added locational information from private industry address files. However, many site addresses cannot be corrected using these techniques and those sites cannot be mapped.

2) Also, we are continually updating our database. We receive information from the various agencies and go through the mapping process as quickly as possible; however, there are sites that cannot be processed immediately. In order to best serve our customers, we include those sites that we have not been able to rule out, or map. Mappable sites may fall within your radius, or they may have been included because of a similar zip code or area name.

In order to provide you with the most current and comprehensive data it is necessary to include these "unmappables" in your report. As the data matures we will be able to plot more of the sites and look forward to providing you with reports with fewer mentions in the future.

VISTA ENVIRONMENTAL INFORMATION, INC.

5060 SHOREHAM PLACE, SUITE 300 • SAN DIEGO, CALIFORNIA 92122 • (619) 450-6100 • FAX (619) 450-6195
415 EAGLEVIEW BOULEVARD, SUITE 112 • EXTON, PA 19341 • (215) 458-1122 • FAX (215) 458-1134
130 SHORE ROAD, SUITE 296 • PORT WASHINGTON, NY 11050 • (516) 733-4572 • FAX (516) 883-0604

Mentions for report 1/028685-001

Agency	City	Zip	St #	Street Name	Site Name	NFA?
CERCLIS	OAKLAND	94607		1ST BET JEFFERSON & MARKET	PG&E GAS PLANT OAKLAND 601 2	Y
CERCLIS	OAKLAND	94606		EMBARCADERO CV MARINA SITE	PORT OF OAKLAND	Y
CERCLIS	OAKLAND	94623		NAVAL SUPPLY CENTER OAKLAND	NAVY PUBLIC WORKS CENTER SAN FRANCIS	Y
CERCLIS	OAKLAND	94621		OAKLAND ARPT	PACIFIC AIRMOTIVE	Y
CERCLIS	OAKLAND	94621		OAKLAND ARPT	GOLDEN GATE AVIATION	Y
CERCLIS	OAKLAND	94621		OAKLAND ARPT	BUSINESS AIRCRAFT-DISTR	Y
CORTESE	OAKLAND	94612	1236	1238 41ST	MOTOR PARTNERS I	-
CORTESE	OAKLAND	94662	1007	41ST ST	DUNNE FRANK W COMPANY #	-
CORTESE	OAKLAND	00000		41ST/42ND ST	GROW GP/OAKLAND NATL ENGRAVING	-
CORTESE	OAKLAND	94621		ASR #9 FACILITY	FAA AIRWAY FACILITY	-
CORTESE	OAKLAND	94606		5 AVE KIRKHAM	SOUTHERN PACIFIC TRANS CO	-
CORTESE	OAKLAND	94605	73	BANCROFT	EASTMONT AUTO SERVICE	-
CORTESE	OAKLAND	94605	73	BANCROFT	BP	-
CORTESE	OAKLAND	94605	73	BANCROFT	FIRESTONE #3659	-
CORTESE	OAKLAND	94625		CODE 6 BUILDING 322	OAKLAND NAVAL SUPPLY CENTER	-
CORTESE	OAKLAND	94606		DENNISON AND EMBARCADERO STREE	PORT OF OAKLAND - EMBARCADERO	-
CORTESE	OAKLAND	94606		DENNISON AND EMBARCADERO STREE	PORT OF OAKLAND	-
CORTESE	OAKLAND	00000		DOOLITTLE DR	OAKLAND INTERNATIONAL AIRPORT	-
CORTESE	OAKLAND	00000		DOOLITTLE DR	POLVOROSA BUSINESS PARK	-
CORTESE	OAKLAND	00000		DOOLITTLE DR	WDR-ALAMEDA CITY LANDFILL	-
CORTESE	OAKLAND	00000		DOOLITTLE DR	NPD MAJ-DBDA JOINT OUTFALL	-
CORTESE	OAKLAND	00000		DOOLITTLE DR	WDR-ALAMEDA CITY LANDFILL	-
CORTESE	OAKLAND	00000		DOOLITTLE DR	NPD MAJ-DBDA JOINT OUTFALL	-
CORTESE	OAKLAND	91505	5425	GROVE ST	BP OIL COMPANY	-
CORTESE	OAKLAND	91505	5425	GROVE ST	MOBIL	-
CORTESE	OAKLAND	94005		JACK LONDON MARINA	PORT OF OAKLAND	-
CORTESE	OAKLAND	00000	1583	JULIE ANN WAY	YANDELL TRUCKING	-
CORTESE	OAKLAND	94621		L-827 TRACON	FAA AIRWAY FACILITIES	-
CORTESE	OAKLAND	00000	2110	MOUNTAIN MERCED	ARCO	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	AMERICAN AIRLINES	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	PORT OF OAKLAND	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	GOLDEN GATE AVIATION	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	BUSINESS AIRCRAFT DISTR.	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	PACIFIC AIRMOTIVE	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	AVIS RENT A CAR	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	OAKLAND GS 29	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	OAKLAND RTR2	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	OAKLAND ASR	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	OAKLAND ATCT	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	OAKLAND ALS	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	OAKLAND ATCT NORTH	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	OAKLAND VORTAC	-
CORTESE	OAKLAND	94261		OAKLAND AIRPORT--AIRPORT DRIVE	OAKLAND GS 27	-
CORTESE	OAKLAND	94102		OAKLAND INTL AIRPORT	BUSINESS AIRCRAFT DISTRIBUTORS	-
CORTESE	OAKLAND	94102		OAKLAND INTL AIRPORT	GOLDEN GATE AVIATION	-
CORTESE	OAKLAND	94102		OAKLAND INTL AIRPORT	PACIFIC AIRMOTIVE	-
CORTESE	OAKLAND	94102		OAKLAND INTL AIRPORT	PSA STORAGE TANKS: NUMBERS 20A	-
CORTESE	OAKLAND	94102		OAKLAND INTL AIRPORT	TRANS AMERICAN AIRLINES	-
CORTESE	OAKLAND	94102		OAKLAND INTL AIRPORT	PSA STORAGE TANKS: NUMBERS 20A	-
CORTESE	OAKLAND	94102		OAKLAND INTL AIRPORT	PACIFIC GAS AND ELECTRIC COMPA	-

Mentions for report 1/028685-001

Agency	City	Zip	St #	Street Name	Site Name	NFA?
CORTESE	OAKLAND	94102		OAKLAND INTL AIRPORT	CHEVRON	-
CORTESE	OAKLAND	94102		OAKLAND INTL AIRPORT	HERTZ SERVICE CENTER	-
CORTESE	OAKLAND	00000		OAKPORT ST	EBMUD	-
CORTESE	OAKLAND	94607		PORT OF OAKLAND BIRTH 35	OAKLAND ARMY BASE	-
CORTESE	OAKLAND	94607		PORT OF OAKLAND BIRTH 35	MOBIL BULK PLANT	-
CORTESE	OAKLAND	00000		PRIVATE RD	SOUTHERN PACIFIC	-
CORTESE	OAKLAND	00000	7	ST. 29TH AVE	EBMUD	-
CORTESE	OAKLAND	00000	5	ST. 8TH AVE	BART MAINT. FACILITY	-
CORTESE	OAKLAND	00000	8	ST. E 8TH AVE AVE	SOUTHERN PACIFIC	-
CORTESE	OAKLAND	00000	98	ST. EDES AVE	CITY OF OAKLAND	-
CORTESE	OAKLAND	00000	11	ST. ST	N/A	-
CORTESE	OAKLAND	00000		TERMINAL FACILITY	SHELL	-
CORTESE	OAKLAND	00000		TIDEWATER AVE	TIDEWATER BUSINESS PARK	-
CORTESE	OAKLAND	00000		VALDEZ & 13TH	OLD OAKLAND TRIBUNE GARAGE	-
CORTESE	SAN LEANDRO	00000	150	AVE 14TH ST	C & H DEVELOPMENT	-
CORTESE	SAN LEANDRO	94578	100	HALCYON DR	MAXWELL HOUSE DIV OF GEN FOOD	-
CORTESE	SAN LEANDRO	00000		WHITNEY ST.	SAN LEANDRO AIRPORT PK.	-
<hr/>						
AWP	OAKLAND	94625		CODE 6 BUILDING 322	OAKLAND NAVAL SUPPLY CENTER	-
AWP	SAN LEANDRO	94578		SAN LEANDRO (GROUNDWATER CONTAMINATI	SAN LEANDRO REGIONAL PLUME	-
<hr/>						
ASPIS	OAKLAND	94607		5TH AND KIRKHAM STREETS	SOUTHERN PACIFIC TRANSPORTATION, OAK	NO
ASPIS	OAKLAND	94607		7TH & MARITIME	OAKLAND NAVAL SUPPLY CENTER	NO
ASPIS	OAKLAND	94626		ADDRESS NEEDS TO BE DETERMINED	OAKLAND ARMY BASE, WAREHOUSE AREA	NO
ASPIS	OAKLAND	94608		ALONG WOOD & 32ND STREET	AT & SF RAILROAD PROPERTY	NO
ASPIS	OAKLAND	94607	196	BURMA ROAD	CAN TRANSPORT	NO
ASPIS	OAKLAND	94625		CODE 6 BUILDING 322	OAKLAND NAVAL SUPPLY CENTER	NO
ASPIS	OAKLAND	94606		DENNISON AND EMBARCADERO STREETS	PORT OF OAKLAND - EMBARCADERO COVE	NO
ASPIS	OAKLAND	94607		MARKET BETWEEN 1ST AND GROVE STREET	PG&E - OAKLAND	NO
ASPIS	OAKLAND	94626		PORT OF OAKLAND	OAKLAND ARMY BASE	NO
ASPIS	SAN CARLOS	94603		785/789 OLD COUNTY RD.	PACIFIC READY MIX	NO
ASPIS	SAN LEANDRO	94577	2350	AND 2450 WASHINGTON AVENUE	SINGER FRIDEN	NO
ASPIS	SAN LEANDRO	94577	400	HUDSON LANE	HUDSON I C S	NO
ASPIS	SAN LEANDRO	94577		NEPTUNE DRIVE, 1800 FT N OF WILLIAMS	NEPTUNE DRIVE PROPERTY	NO
ASPIS	SAN LEANDRO	94578		SAN LEANDRO (GROUNDWATER CONTAMINATI	SAN LEANDRO REGIONAL PLUME	NO
ASPIS	OAKLAND	94609		GROVE AND 51ST STREET	CHILDREN'S HOSPITAL	Y
ASPIS	OAKLAND	94607	2588	GROVE STREET	PETER LEAF CABINET MAKER	Y
ASPIS	OAKLAND	94614		HANGER #5, OAKLAND INTERNATIONAL AIR	POWER PAC ENGINEERING CORPORATION	Y
ASPIS	OAKLAND	94614		HANGER #6, OAKLAND INTERNATIONAL AIR	AIR CALIFORNIA	Y
ASPIS	OAKLAND	94611	4139	JULIO	ALVAREZ & ORTIZ	Y
ASPIS	OAKLAND	94602	314	MAPLE AVENUE	SHIELD TERMITE	Y
ASPIS	OAKLAND	94607		MARITIME STREET	GLOBAL INTERNATIONAL FORWARDERS	Y
ASPIS	OAKLAND	94621		OAKLAND INTERNATIONAL AIRPORT, BLDG	TRANS-BOX SYSTEMS	Y
ASPIS	OAKLAND	94621		OAKLAND INTERNATIONAL AIRPORT, BLDG	BUSINESS AIRCRAFT DISTRIBUTORS	Y
ASPIS	OAKLAND	94621		OAKLAND INTERNATIONAL AIRPORT, BLDG	GOLDEN GATE AVIATION	Y
ASPIS	OAKLAND	94621		OAKLAND INTERNATIONAL AIRPORT, BLDG	PACIFIC AIRMOTIVE	Y
ASPIS	OAKLAND	94662		PO BOX 8722	STAND COMPANY INDUSTRIES	Y
ASPIS	SAN LEANDRO	94579	2527	CORANT AVENUE	BOYD INDUSTRIAL RUBBER	Y
ASPIS	SAN LEANDRO	94577	5000	FEET SOUTH OF MARINA BLVD & NEP	TURK ISLAND	Y
ASPIS	SAN LEANDRO	94577		NEPTUNE DRIVE AT THE FOOT OF MARINA	MARINA DISPOSAL SITE	Y

Mentions for report 1/028685-001

Agency	City	Zip	St #	Street Name	Site Name	NFA?
ASPIS	SAN LEANDRO	94578		PO BOX 845	B B ENGINEERING	Y
ASPIS	SAN LEANDRO	94577	2389	WEST AVENUE 134TH	BEARDSLEY'S BLACK OXIDE	Y
ASPIS	SAN LEANDRO	94577	2901	WILLIAMS STREET	GAVIN COMPANY	Y
HWIS	N/A	N/A		ALAMEDA COUNTY	ALAMEDA COUNTY/EMERG RESPONSE ONLY	-
HWIS	N/A	N/A		COUNTY OF ALAMEDA / EMERGENCY RESPONSE	STATE DEPT OF HEALTH SERVICES	-
HWIS	N/A	N/A		COUNTY OF ALAMEDA / EMERGENCY RESPONSE	STATE DEPT OF HEALTH SERVICES	-
HWIS	N/A	N/A		COUNTY OF ALAMEDA / EMERGENCY RESPONSE	STATE DEPT OF HEALTH SERVICES	-
HWIS	N/A	N/A		COUNTY OF ALAMEDA / EMERGENCY RESPONSE	STATE DEPT OF HEALTH SERVICES	-
HWIS	N/A	N/A		COUNTY OF ALAMEDA / EMERGENCY RESPONSE	STATE DEPT OF HEALTH SERVICES	-
HWIS	N/A	N/A		COUNTY OF ALAMEDA / EMERGENCY RESPONSE	STATE DEPT OF HEALTH SERVICES	-
HWIS	N/A	N/A		COUNTY OF ALAMEDA / EMERGENCY RESPONSE	STATE DEPT OF HEALTH SERVICES	-
HWIS	OAKLAND	N/A		ADMINISTRATION BUILDING	CALTRANS DISTRICT 4	-
HWIS	OAKLAND	N/A		BLD 99 MARATIME	ARMY & AIR FORCE ESCH SVC	-
HWIS	OAKLAND	N/A		BLDG 1086 OARB	USAR CENTER	-
HWIS	OAKLAND	N/A		BLDG 814 OAKLAND ARPT	S & S ACCESSORY OVERHAUL INC	-
HWIS	OAKLAND	N/A		FOOT OF ADELINE ST	SCHINTZER STEEL	-
HWIS	OAKLAND	N/A	5425	GROVE ST	BP OIL COMPANY	-
HWIS	OAKLAND	N/A		HGR 8 OAKLAND AIRPORT	SOUTHERN AIR TRANSPORT	-
HWIS	OAKLAND	N/A		N FIELD TRNG AREA OAK. AIRPORT	PORT OF OAKLAND	-
HWIS	OAKLAND	N/A		OAKLAND AIRPORT BLD L311	PORT OF OAKLAND	-
HWIS	OAKLAND	N/A		ONE KAISER PLAZA	ORDWAY THE	-
HWIS	OAKLAND	N/A		1 QTR. MILE EAST OF MARTIN / ROAD ON WAKE AVE.	EAST BAY MUNICIPAL UTILITY DISTRICT	-
HWIS	OAKLAND AIRPORT	N/A	112	AIR GARGO BLDG OAKLAND	FEDERAL EXPRESS	-
HWIS	OAKLAND APO	N/A		1 NEIL ARMSTRONG WAY	AVIS RENT-A-CAR	-
HWIS	SAN LEANDRO	N/A	11105	ALADDIN AVENUE	BROD & MCCLUNG - PACE COMPANY	-
LUST	N/A	N/A		BRUSH CR/FRSTGLN/SHE	BRUSH CREEK DEVELOPMENT AREA	NO
LUST	N/A	N/A		N/A	K-T JUSD CORPORATION YARD	NO
LUST	N/A	N/A		N/A	MCNAMARA & PEEPE	NO
LUST	OAKLAND	N/A		11TH ST	N/A	NO
LUST	OAKLAND	N/A		20TH & BROADWAY	EMPORUIM CAPWELL	NO
LUST	OAKLAND	N/A		20TH & BROADWAY	EMPORUIM CAPWELL	NO
LUST	OAKLAND	N/A		3420/3315 PERALTA/MAGNOLIA STS	CLAWSON HIGH SCHOOL	NO
LUST	OAKLAND	N/A		5TH AVE & KIRKHAM	SOUTHERN PACIFIC TRANS CO	NO
LUST	OAKLAND	N/A		73RD & BANCROFT	BP	NO
LUST	OAKLAND	N/A	5829	ADELINE AVE	N/A	NO
LUST	OAKLAND	N/A	5829	ADELINE AVE	N/A	NO
LUST	OAKLAND	N/A		ASR #9 FACILITY	FAA AIRWAY FACILITY	NO
LUST	OAKLAND	N/A	4101	BROADWAY ST	FIVE C GROUP	NO
LUST	OAKLAND	N/A		BROADWAY-SAN PABLO	OAKLAND REDEV AGENCY/GALLERIA	NO
LUST	OAKLAND	N/A		EARHART RD	NATIONAL AIROMOTIVE	NO
LUST	OAKLAND	N/A	7683	EARHART RD	PORT OF OAKLAND	NO
LUST	OAKLAND	N/A	1563	JULIE ANN WY	YANDELL TRUCKING	NO
LUST	OAKLAND	N/A		1 KAISER PLAZA	ORDWAY/BROADWAY BUILDING	NO
LUST	OAKLAND	N/A		L-827 TRACON	FAA AIRWAY FACILITIES	NO
LUST	OAKLAND	N/A	2110	MOUNTAIN & MERCED	ARCO	NO
LUST	OAKLAND	N/A		N/A	OAKLAND ARMY BASE	NO

Mentions for report 1/028685-001

Agency	City	Zip	St #	Street Name	Site Name	NFA?
LUST	OAKLAND	N/A		OAKLAND AIRPORT	AVIS RENT A CAR	NO
LUST	OAKLAND	N/A		OAKLAND INTN'L AIR	CHEVRON	NO
LUST	OAKLAND	N/A		OAKPORT ST	EBMUD	NO
LUST	OAKLAND	N/A		PETROLEUM ST	MOBIL	NO
LUST	OAKLAND	N/A	2850	POPLAR	LINFORD AIR & REFRIGERATION	NO
LUST	OAKLAND	N/A	2850	POPLAR	LINFORD AIR & REFRIGERATION	NO
LUST	OAKLAND	N/A		PORT OF OAKLAND	MOBIL BULK PLANT	NO
LUST	OAKLAND	N/A		PRIVATE RD	SOUTHERN PACIFIC	NO
LUST	OAKLAND	N/A		TERMINAL FACILITY	SHELL	NO
LUST	OAKLAND	N/A		TIDEWATER AVE	TIDEWATER BUSINESS PARK	NO
LUST	OAKLAND	N/A		VALDEZ & 13TH	OLD OAKLAND TRIBUNE GARAGE	NO
LUST	OAKLAND	N/A	2020	WAKE AVE	EBMUD-WATER POLLUT CONTRL PLNT	NO
LUST	OAKLAND	N/A	2020	WAKE AVE	EBMUD-WATER POLLUT CONTRL PLNT	NO
LUST	OAKLAND EMERYVILLE	N/A		41ST/42ND ST	GROW GP/OAKLAND NATL ENGRAVING	NO
LUST	SAN LEANDRO	N/A	16035	14TH ST E	PETSAS PROPERTY	NO
LUST	SAN LEANDRO	N/A		DAVIS ST	FERMA CORPORATION	NO
LUST	SAN LEANDRO	N/A		DOOLITTLE DR	POLVOROSA BUSINESS PARK	NO
LUST	SAN LEANDRO	N/A	100	DOOLITTLE DR	N/A	NO
LUST	SAN LEANDRO	N/A		N/A	KANTOZ PROPERTY	NO
LUST	SAN LEANDRO	N/A		WHITNEY ST.	SAN LEANDRO AIRPORT PK.	NO

NFA code descriptions: "-" indicates the agency did not supply this information; "Y" indicates there was "No Further Action" planned for the site (ASPIS/CAL-SITES) or "Case Closed" (LUST); "NO" indicates the agency did not mark the site "No Further Action" or "Case Closed", but does supply this information. For the CERCLIS database a "Y" indicates that all CERCLIS events for the site show an actual completion date and the most recent event indicates "no further remedial action planned."

VISTA ENVIRONMENTAL INFORMATION

STATE REPORT			
Client Project/P.O. No.: 164828	VISTA Report No.: 028685011		
Client Reference Name:	Date of Report: Oct. 20, 1993		
Subject Property: CHEVRON 9-1723			
Street Address: 9757 SAN LEANDRO BLVD			
City: OAKLAND			
State: CA			
Zip: 94603			
County: ALAMEDA			

SITES IN THE AREA

Agency/Database	Date of Data	# of Sites In Zip Code	# of Sites In Area
State,UST	02/93	36	7
	06/93
	06/92
	06/93

VISTA ENVIRONMENTAL INFORMATION

UST Sites	
Client Project/P.O. No.: 164828	VISTA Report No.: 028685011
Client Reference Name:	Date of Report: Oct. 20, 1993
Site Description	
Subject Property: CHEVRON 9-1723	
Address: 9757 SAN LEANDRO BLVD	
City: OAKLAND	
State: CA	
Zip: 94603	
County: ALAMEDA	

The California State Water Regional Control Board maintains an inventory of underground storage tanks. This inventory is a database which contains information from the:

Aboveground Storage Tank Database	02/93
Underground Storage Tank Registrations Database	06/93
Underground Storage Tank List	06/92
Orange County Underground Tank Facilities	06/93

A search of this database revealed the following facilities located in the zip code searched. Also included are sites with incomplete addresses reported to be located in the city searched. If no city name has been reported, the county name was used.

SITES IN THE AREA

Facility Name	: OAKLAND MITSUBISHI	Vista Number: 4015719
Facility Address	: 10500 E 014TH	
Facility City/Zip	: OAKLAND , CA 94603	
County	: 01000ROBER	

Tank Information

Number of Underground Tanks: 1

Tanks Details

Tank Contents: UNLEADED GAS

Tank Size: 1200 GALLONS

Tank Information

Number of Underground Tanks: 4

Tanks Details

Tank Contents: UNLEADED GAS
Tank Size: 8000 GALLONS
Tank Status: OTHER
Tank Material: UNKNOWN
Pipe Type: UNKNOWN

Tank Contents: OIL(NOT SPECIFIED)
Tank Size: 1000 GALLONS
Tank Status: OTHER
Tank Material: UNKNOWN
Pipe Type: UNKNOWN

Tank Contents: UNKNOWN
Tank Size: 1000 GALLONS
Tank Status: OTHER
Tank Material: UNKNOWN
Pipe Type: UNKNOWN

Tank Contents: DIESEL
Tank Size: 10000 GALLONS
Tank Status: OTHER
Tank Material: UNKNOWN
Pipe Type: UNKNOWN

Facility Name : GRANNY GOOSE FOODS., INC Vista Number: 4016167
Facility Address : 916 098TH
Facility City/Zip : OAKLAND , CA 94603
County : 01000JOHN

Tank Information

Number of Underground Tanks: 1

Tanks Details

Tank Contents: DIESEL
Tank Size: 10000 GALLONS

PACIFIC BELL Q3-628 (continued)

Tank Material: FIBERGLASS
Pipe Type: UNKNOWN

Facility Name : SCHAEFER'S MEATS, INC. Vista Number: 4016170
Facility Address : 1110 098TH
Facility City/Zip : OAKLAND , CA 94603
County : 01000OTTO

Tank Information

Number of Underground Tanks: 1

Tanks Details

Tank Contents: EMPTY
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: BARE STEEL
Pipe Type: GALVANIZED STEEL

Facility Name : NOT SUPPLIED Vista Number: 4016485
Facility Address : 9000 E 14TH
Facility City/Zip : OAKLAND , CA 94603
County : 01000

Tank Information

Number of Underground Tanks: 6

Tanks Details

Tank Contents: EMPTY
Tank Size: 1 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: UNKNOWN
Pipe Type: UNKNOWN

Tank Contents: EMPTY
Tank Size: 1 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: UNKNOWN

ARCO FAC# 2185 (continued)

Pipe Type: FIBERGLASS

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS
Pipe Type: FIBERGLASS

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS
Pipe Type: FIBERGLASS

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS
Pipe Type: FIBERGLASS

Facility Name : UNOCAL #7125
Facility Address : 10151 E 14TH
Facility City/Zip : OAKLAND , CA 94603
County : 01000

Vista Number: 4016486

Tank Information

Number of Underground Tanks: 3

Tanks Details

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS
Pipe Type: BARE STEEL

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE

Tanks Details

Tank Contents: OIL(NOT SPECIFIED)
Tank Size: 550 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: BARE STEEL
Pipe Type: BARE STEEL

Facility Name : CALIFORNIA REFRIGERATED EXPR Vista Number: 4017585
Facility Address : 860 92ND
Facility City/Zip : OAKLAND , CA 94603
County : 01000

Tank Information

Number of Underground Tanks: 2

Tanks Details

Tank Contents: EMPTY
Tank Size: 5000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: BARE STEEL
Pipe Type: BARE STEEL

Tank Contents: DIESEL
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: STAINLESS STEEL
Pipe Type: BARE STEEL

Facility Name : L D R COMPANY Vista Number: 4017591
Facility Address : 111 98TH
Facility City/Zip : OAKLAND , CA 94603
County : 01000

Tank Information

Number of Underground Tanks: 2

Tanks Details

Tank Contents: UNLEADED GAS
Tank Size: 2000 GALLONS

Facility Name : CALIFORNIA GLASS COMPANY Vista Number: 4017592
Facility Address : 155 98TH
Facility City/Zip : OAKLAND , CA 94603
County : 01000

Tank Information

Number of Underground Tanks: 2

Tanks Details

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: UNKNOWN
Pipe Type: UNKNOWN

Tank Contents: DIESEL
Tank Size: 12000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: UNKNOWN
Pipe Type: UNKNOWN

Facility Name : OAKLAND SCAVENGER CO. Vista Number: 305066
Facility Address : 156 98TH AVE.
Facility City/Zip : OAKLAND , CA 94603

Tank Information

Number of Tanks: Not Reported

Facility Name : RATTO BROTHERS Vista Number: 4017593
Facility Address : 191 98TH
Facility City/Zip : OAKLAND , CA 94603
County : 01000

Tank Information

Number of Underground Tanks: 1

PIONEER PACKING (continued)

Tank Material: BARE STEEL
Pipe Type: BARE STEEL

Facility Name : BP OIL COMPANY FACILITY #11133 Vista Number: 1591763
Facility Address : 2220 98TH
Facility City/Zip : OAKLAND , CA 94603

Tank Information

Number of Underground Tanks: 3

Tanks Details

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS
Pipe Type: FIBERGLASS

Tank Contents: UNLEADED GAS
Tank Size: 12000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS
Pipe Type: FIBERGLASS

Tank Contents: LEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS
Pipe Type: FIBERGLASS

Facility Name : LEW F. GALBRAITH GOLF COURSE Vista Number: 1248868
Facility Address : 10505 DOOLITTLE
Facility City/Zip : OAKLAND , CA 94603

Tank Information

Number of Underground Tanks: 1

Tanks Details

Tank Contents: LEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: UNKNOWN
Pipe Type: UNKNOWN

Facility Name : EAGAN & PARADISO CONSTRUCTION Vista Number: 1214557
Facility Address : 9220 G
Facility City/Zip : OAKLAND , CA 94603

Tank Information

Number of Underground Tanks: 3

Tanks Details

Tank Contents: LEADED GAS
Tank Size: 5000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: BARE STEEL
Pipe Type: UNKNOWN

Tank Contents: OIL(NOT SPECIFIED)
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: BARE STEEL
Pipe Type: UNKNOWN

Tank Contents: DIESEL
Tank Size: 6000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: BARE STEEL
Pipe Type: UNKNOWN

Facility Name : BAL'S TREE SERVICE Vista Number: 3196179
Facility Address : 9911 GOULD
Facility City/Zip : OAKLAND , CA 94603

GRANNY GOOSE FOODS.-VEHICLE DE (continued)

Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS
Pipe Type: UNKNOWN

Facility Name : ATLAS ROOFING CO.
Facility Address : 881 MOORPARK
Facility City/Zip : OAKLAND , CA 94603

Vista Number: 1244705

Tank Information

Number of Underground Tanks: 1

Tanks Details

Tank Contents: LEADED GAS
Tank Size: 550 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: BARE STEEL
Pipe Type: UNKNOWN

Facility Name : MORTENSENS
Facility Address : 10122 PIPPIN
Facility City/Zip : OAKLAND , CA 94603
County : 01000

Vista Number: 4038331

Tank Information

Number of Underground Tanks: 1

Tanks Details

Tank Contents: OTHER
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: UNKNOWN
Pipe Type: UNKNOWN

Facility Name : CALIFORNIA AIR CHARTER
Facility Address : P O BOX
Facility City/Zip : OAKLAND , CA 94603

Vista Number: 4037490

Tank Information

Number of Underground Tanks: 4

Tanks Details

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: BARE STEEL
Pipe Type: UNKNOWN

Tank Contents: DIESEL
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: BARE STEEL
Pipe Type: UNKNOWN

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: BARE STEEL
Pipe Type: UNKNOWN

Tank Contents: DIESEL
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: BARE STEEL
Pipe Type: UNKNOWN

Facility Name : OAKLAND PLANT
Facility Address : 9404 SAN LEANDRO
Facility City/Zip : OAKLAND , CA 94603

Vista Number: 1226808

Tank Information

Number of Underground Tanks: 2

Tanks Details

Tank Contents: DIESEL
Tank Size: 15000 GALLONS
Tank Status: ACTIVE/IN SERVICE

Facility Name : EAST BAY HILLS RADIO Vista Number: 3999958
Facility Address : NOT REPORTED
Facility City/Zip : OAKLAND , CA

Tank Information

Number of Tanks: Not Reported

Facility Name : ROUND TOP RADIO Vista Number: 4000084
Facility Address : NOT REPORTED
Facility City/Zip : OAKLAND , CA

Tank Information

Number of Tanks: Not Reported

Facility Name : OAKLAND TERMINAL Vista Number: 3995744
Facility Address : 7TH & BAY ST.
Facility City/Zip : OAKLAND , CA

Tank Information

Number of Tanks: Not Reported

Facility Name : TEXACO COMPANIES INC Vista Number: 1585109
Facility Address : 500 GRAND
Facility City/Zip : OAKLAND , CA 94612
VISTA Enhanced
City/Zip : OAKLAND , CA

Tank Information

Number of Underground Tanks: 4

Tanks Details

Tank Contents: EMPTY
Tank Size: 550 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: FIBERGLASS
Pipe Type: GALVANIZED STEEL

BP OIL COMPANY FACILITY #11127 (continued)

Tank Material: FIBERGLASS
Pipe Type: PLASTIC

Tank Contents: LEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE

Tank Material: FIBERGLASS
Pipe Type: FIBERGLASS

Tank Contents: UNLEADED GAS
Tank Size: 12000 GALLONS
Tank Status: ACTIVE/IN SERVICE

Tank Material: FIBERGLASS
Pipe Type: FIBERGLASS

Facility Name : CHEVRON #1583
Facility Address : 5509 MARTIN LUTHER KING
Facility City/Zip : OAKLAND , CA 94609
VISTA Enhanced
City/Zip : OAKLAND , CA

Vista Number: 1586479

Tank Information

Number of Underground Tanks: 4

Tanks Details

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE

Tank Material: FIBERGLASS
Pipe Type: FIBERGLASS

Tank Contents: UNLEADED GAS
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE

Tank Material: FIBERGLASS
Pipe Type: FIBERGLASS

Tank Contents: UNLEADED GAS

GLOSSARY

Description of Report:

This report is a compilation of federal environmental data which identifies environmental problem sites and activities from the records of the United States Environmental Protection Agency (US EPA). The data contained in this report are the result of a search of VISTA's proprietary database.

The VISTA database search is designed to identify all sites known to be located within the specified zip code(s). Because not all government records have complete and accurate addresses, VISTA uses Post Office verification software to assign or to correct zip codes where necessary. For those records which cannot be assigned a zip code, VISTA uses the specified city name(s) to identify any sites which may be located in the zip code area. If no city name is reported, the county name is used.

Limitations Of Information

All information contained in this report was obtained from US EPA records. VISTA does not warrant the accuracy, timeliness, merchantability, completeness or usefulness of any information furnished, and the subscriber accepts any and all risks resulting from decisions made solely or in part on VISTA information.

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FOR MORE INFORMATION CALL (619)450-6100

5060 Shoreham Place, Suite 300, San Diego, CA 92122

APPENDIX D
Laboratory Reports
and
Chain-of-Custody Records



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

GROUNDWATER TECHNOLOGY, INC.
Attn: TIM WATCHERS

Project 9-1723
Reported 11/18/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
30044- 1	MW-5	11/02/93	11/11/93 Water
30044- 2	MW-6	11/02/93	11/11/93 Water
30044- 3	MW-8	11/02/93	11/16/93 Water
30044- 4	TB-LB	11/02/93	11/16/93 Water

RESULTS OF ANALYSIS

Laboratory Number: 30044- 1 30044- 2 30044- 3 30044- 4

Gasoline:	790	300	15000	ND<50
Benzene:	43	19	2000	ND<0.5
Toluene:	3.4	1.8	440	ND<0.5
Ethyl Benzene:	22	2.5	420	ND<0.5
Total Xylenes:	12	5.0	1400	ND<0.5
Concentration:	ug/L	ug/L	ug/L	ug/L



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 30044
CLIENT: GROUNDWATER TECHNOLOGY, INC.
CLIENT JOB NO.: 9-1723

DATE RECEIVED: 11/05/93
DATE REPORTED: 11/18/93
DATE SAMPLED : 11/02/93

ANALYSIS FOR TOTAL ORGANIC LEAD by DHS METHOD (LUFT MANUAL)

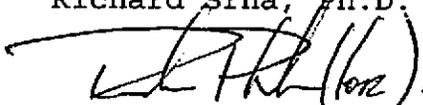
LAB #	Sample Identification	Concentration (mg/L)
1	MW-5	ND
2	MW-6	ND
3	MW-8	ND

mg/L - parts per million (ppm)

Method Detection Limit for Organic Lead in Water: 4 mg/L

QAQC Summary: MS/MSD Average Recovery : 98/104%
Duplicate RPD : 6%

Richard Srna, Ph.D.


Laboratory Director



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2
QA/QC INFORMATION
SET: 30044

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	100/100	0%	70-130
Benzene:	102/102	0%	70-130
Toluene:	103/103	0%	70-130
Ethyl Benzene:	87/87	0%	70-130
Total Xylenes:	110/109	1%	70-130


Senior Chemist

