

September 27, 2004
Project No. 401007001

Mr. Rod Schurman, P.E. Associate Engineer
City of San Leandro
Engineering and Transportation Department
835 East 14th Street
San Leandro, California 94577

Subject: Initial Site Assessment
Quality Tune Up
14901 East 14th Street
San Leandro, California

Dear Mr. Schurman:


In accordance with your Notice to Proceed (Project No. 144-39-001), dated June 24, 2004, Ninyo & Moore has performed an Initial Site Assessment for the above-referenced site. The attached report presents our methodology, findings, conclusions and recommendations regarding the environmental conditions at the site.

We appreciate the opportunity to be of service to you on this project. Should you have any questions, please contact the undersigned at your convenience.

Sincerely,
NINYO & MOORE



Dawn M. Ritzman
Senior Staff Environmental Scientist



Joel R. Kushins, R.C.E.
Principal Environmental Engineer

DMS/JRK/jms

Distribution: (4) Addressee

**INITIAL SITE ASSESSMENT
QUALITY TUNE UP
14901 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA
VOLUME 1 OF 2**

PREPARED FOR:
City of San Leandro
835 East 14th Street
San Leandro, California 94577

PREPARED BY:
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1. INTRODUCTION

The City of San Leandro has authorized Ninyo & Moore to perform an Initial Site Assessment (ISA) for the triangular-shaped parcel located at 14901 East (E.) 14th Street, in the City of San Leandro (CSL), County of Alameda, California (site, Figure 1). The following sections outline the purpose, the involved parties, and the scope of work of the ISA.

1.1. Purpose

The objective of this ISA is to evaluate specific existing, potential, or suspect conditions that may impose an environmental impact with respect to hazardous substances on the proposed site. The Alameda County Transportation Improvement Authority (ACTIA), is funding the road widening and sidewalk improvements to E. 14th Street, Hesperian Boulevard, and 150th Street. Proposed activities will extend onto existing perimeters of the subject site and to depths of approximately 1.8 meters (6 feet) below ground surface (below ground surface).

1.2. Involved Parties

This ISA was performed by Ninyo & Moore for the CSL, in accordance the Notice to Proceed (Project No. 144-39-001), dated June 24, 2004.

In accordance with the CSL's direction, an inspection of the subject site building, including interviews with representatives familiar with the parcel, was not conducted. In order to collect basic information regarding the configuration of the site and adjacent properties, Ms. Dawn Ritzman performed a "windshield" survey on June 30, 2004. The windshield survey consisted of a drive by of the site and adjacent properties to visually observe the exteriors of the properties from adjacent streets. Ms. Ritzman completed regulatory inquiries and historical research. Mr. Joel R. Kushins of Ninyo & Moore performed project oversight and quality review.

1.3. Scope of Work

Ninyo & Moore's scope of work for this ISA included the following:

- Review of readily available documents, maps, and reports pertaining to the subject site.
- A visual site reconnaissance to identify areas of possibly contaminated surficial soil or surface water, improperly stored hazardous materials, possible sources of polychlorinated biphenyls (PCBs), and possible risks of contamination from activities at properties adjacent to the subject site. The visual reconnaissance was limited to a windshield survey with observations made from adjacent roadways (i.e., the survey was performed by vehicle). At the client's request, the survey did not include a visual reconnaissance of the subject site from within the boundaries of the site.
- Review of readily available local regulatory agency files for the subject site. Requests were made to the City of San Leandro Environmental Services Division (SLESD), the City of San Leandro Building Department (SLBD), the San Francisco Bay Regional Water Quality Control Board (RWQCB), the Alameda County of Environmental Health Department (ACEHD), the Department of Toxic Substances Control (DTSC), and the Bay Area Air Quality Management District (BAAQMD).
- Review of available regulatory agency databases for the site and for properties located within a specified radius of the site. The purpose of this review was to evaluate the possible environmental impact to the site. These databases list locations of known hazardous waste sites, landfills, and leaking underground storage tanks, permitted facilities that utilize underground storage tanks, and facilities that use, store or dispose of hazardous materials.
- Preparation of this ISA report documenting findings, conclusions, and recommendations regarding environmental conditions at the site. Select photographs taken during the limited reconnaissance are provided in Appendix A

2. GENERAL SITE CHARACTERISTICS

The following sections provide descriptions of the location, current uses of the site, and the uses of adjacent properties.

2.1. Location

The site is addressed 14901 E. 14th Street, between 150th Avenue and Hesperian Boulevard, in the City of San Leandro, Alameda County, California (Figure 1). The site has been assigned Parcel Number 77D-1499-1 in the Alameda County Assessor's Index (Appendix B).

2.2. Adjacent Properties

The E. 14th Street and Hesperian Boulevard intersection is situated north of the subject site. Beyond the intersection to the north-northwest is Flyers gasoline station (14880 E. 14th Street). Beyond E. 14th Street to the northeast is Harry's Hofbrau (14900 E. 14th Street), and a commercial structure occupied by Tax & Adtech Payroll (14964 E. 14th Street), Asia Express restaurant (14966 E. 14th Street), Magat Video (14968 E. 14th Street), Hair USA salon (14970 E. 14th Street), and Subway Sandwich shop (14972 E. 14th Street). A 76 gasoline station (15008 E. 14th Street) is situated east of site beyond the E. 14th Street and 150th Street intersection. La Bella Italia restaurant (15015 E. 14th Street) and a vacant asphalt-paved lot are situated southeast and south of site, respectively, beyond 150th Street. Properties situated west-northwest of site (beyond Hesperian Boulevard) include Carrows restaurant (15011 Hesperian Boulevard) and a multiple tenant Bank of the West building (14895 E. 14th Street) (Figure 2). Tenants occupying the bank building include a salon, an insurance company, and a mortgage office.

2.3. Site Description and Current Site Uses/Operations

The site consists of an approximately, 980 square meter (10,556 square foot), triangular-shaped parcel. The site is developed with one single-story structure encompassing approximately, 84 square meters (900 square feet) occupied by Quality Tune Up, an automobile service and smog check facility. Vehicular access to the site is via surrounding streets Hesperian Boulevard, E. 14th and 150th Streets. Based on observations made during the windshield survey, bulk and waste oil and other waste fluids generated during vehicle maintenance activities, are stored in a concrete enclosure adjacent to the southern exterior of the site building.

Color photographs of the site and site vicinity are presented in Appendix A.

2.4. Review of Previous Investigations

Reports related to previous subsurface investigations were provided to Ninyo & Moore for review. The following paragraphs summarize previous investigations performed for the subject site.

Report of Limited Soil Investigation, October 1993

Hageman Aguiar, Inc. (HA) prepared a Limited Soil Investigation Report in 1993 (dated October 26). HA indicated three gasoline underground storage tanks (USTs) were present on-site, however, had not been used in ten years. A fourth UST (reported to be of 200 and 500-gallon capacities), has also been reported at the subject site. Refer to Figure 3 for the location of the four former USTs.

Investigation activities performed by HA included advancement of four soil borings (B-1 through B-4) to a depth of approximately 4.6 meters (15 feet) below ground surface, in the vicinity of the USTs. Soil samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Analytical results reported the following maximum concentrations: TPHg, 180 milligrams per kilogram (mg/kg); benzene, 230 micrograms per kilogram ($\mu\text{g}/\text{kg}$); toluene, 320 $\mu\text{g}/\text{kg}$; ethylbenzene, 560 $\mu\text{g}/\text{kg}$; and total xylenes, 1,400 $\mu\text{g}/\text{kg}$. These results, however, were reported from a saturated soil sample collected below the water table. The near surface soil samples collected (<1.5 meters/<5 feet below ground surface) did not contain detectable concentrations of petroleum hydrocarbons above the laboratory reporting limits. HA indicated the bases of two of the USTs were approximately at the same depth of groundwater, which was reported at 4 meters (13 feet) below ground surface. HA concluded the concentration of petroleum hydrocarbons was due to an on-site release or migration of contamination from an off-site source. Recommendations for an additional subsurface investigation were not provided in the HA report.

Report of Additional Subsurface Investigation, January 1997

Based on the results of soil sampling provided in the 1993 Limited Soil Investigation Report, a work plan was prepared to further evaluate soil conditions in the vicinity of USTs, under-

ground piping and existing pump islands. Six borings (GP-1 through GP-6) were advanced to depths of approximately 4.6 meters (15 feet) below ground surface and soil samples analyzed contained the following maximum concentrations of TPHg at 29 mg/kg, benzene at 41 µg/kg, toluene at 8.0 µg/kg, ethylbenzene at 12 µg/kg, and total xylenes at 31 µg/kg. Methyl tertiary-butyl ether (MTBE) was not detected in soil samples collected and analyzed above the laboratory reporting limit. As reported in the 1993 Limited Soil Investigation Report, the near surface soil samples collected (<1.5 meters/<5 feet below ground surface) did not contain detectable concentrations of petroleum hydrocarbons above the laboratory reporting limits. Grab groundwater samples were collected from three (GP-1W, GP-4W, and GP-6W) of the six borings and analytical results reported concentrations of up to 210,000 micrograms per liter (µg/L) of TPHg, 200 µg/L of benzene, 180 µg/L of toluene, 180 µg/L of ethylbenzene, and 420 µg/L of total xylenes. MTBE was not reported above the laboratory reporting limits. HA reported that based on the regional topography of the subject site and groundwater information collected for nearby gasoline stations, the groundwater flow is towards the south-southeast.

Tank Closure Summary, October 1997

HA reported the removal and sampling activities associated with four USTs in a Tank Closure Summary Report, dated October 13, 1997. Two of the tanks were of single-wall steel construction with 10,000-gallon capacities and stored gasoline. A third gasoline tank a single-wall fiberglass UST with a 5,000-gallon capacity. The fourth tank was of steel single-wall construction with a 500-gallon capacity used to store waste oil. It should be noted, permit applications for this tank (Section 5.1) indicate a capacity of 200-gallons. The tanks were noted to be in good condition upon their removal with no signs of holes or rust. Soil samples collected from the excavated area and soil pile generated from excavation activities contained "low levels" of petroleum hydrocarbons and officials with the City of San Leandro Fire Department Hazardous Materials Division "agreed that any additional over-excavation would not be required."

Copies of the previous subsurface investigations performed for the subject site are provided in Appendix C.

3. RESULTS OF SITE HISTORY AND LAND USE REVIEW

Ninyo & Moore conducted a review of historical records regarding the site and neighboring properties. This included a review of aerial photographs, Sanborn Fire Insurance Maps, available historical building permits on file at the City of San Leandro Building Department, and criss-cross (reverse) telephone directories. Pertinent site documents related to this review are included in Appendix B.

Based on the review of historical resources, the site was occupied by Riley's Gasoline Station from at least as early as 1947 until approximately 1950, when the present day structure was constructed and was occupied Red's Flying A Service Gas Station. Other businesses that have operated the site as a gasoline and service station include Phillip's 66 (1974-1976), Electrotune (1976 until sometime prior to 1981), and Quality Tune Up and Smog Check Center (1981-present).

3.1. Sanborn Fire Insurance Maps

Environmental Data Resources, Inc. (EDR) was retained to procure Sanborn Fire Insurance Rate Maps. The years available for review included 1957, 1963, and 1968. Copies of Sanborn maps are provided in Appendix B.

The earliest Sanborn map (1957) shows a structure, similar in configuration to the present day structure, identified as a gasoline station. The property situated to the north-northwest beyond the E. 14th Street and Hesperian Boulevard intersection contains a structure identified as an office. Beyond the site to the northeast is a road machinery and tractor storage yard and a structure (configured similar to present day conditions) shown as tractor sales and service. Gasoline stations are shown on the north (Mobil 14994 E. 14th Street) and east (76 Gasoline Station, 15008 E. 14th Street) corners of E. 14th Street and 150th Avenue. A park-

ing lot and restaurant (15015 E. 14th Street), configured similar to the present day, is situated southeast of the site. An office structure and residential dwelling are shown south of site (in the present day location of the vacant asphalt paved lot). The property west-northwest of site beyond Hesperian Boulevard contains a restaurant.

The 1963 Sanborn map shows no significant changes to the site or site vicinity with the exception of the properties situated south and northeast of site. The property south is configured similarly to its present day configuration with no structures shown and the presence of “car piles” are shown on the property northeast of site.

In the 1968 Sanborn map, shows overhangs extending from the northern and western portions of the site building, which is identified as a filling station. A gasoline station (Former Shell Station, 14880 E. 14th Street) has been developed on the property situated north-northwest presently occupied by a Flyer’s Gasoline Station. The property situated west-northwest of site beyond Hesperian Boulevard contains a triangular-shaped structure occupied by a bank with adjoining offices. No other significant changes were noted to the remaining properties in the site vicinity relative to the 1963 map.

3.2. Aerial Photographs

Historical aerial photographs were available for the site for the years 1947, 1953, 1959, 1968, 1977, 1986, 1996, and 2003. A listing of the photographs reviewed is presented in Table 1, followed by notable observations from each photograph.

Table 1 – Aerial Photographs Reviewed

Date	Photograph Identification	Approximate Scale
1947	AV11-4-22	2.54 centimeters = 508 meters (1-inch = 1,667 feet)
1953	AV119-17-14	2.54 centimeters = 254 meters (1-inch = 833 feet)
1959	AV337-8-47	2.54 centimeters = 244 meters (1-inch = 800 feet)

Table 1 – Aerial Photographs Reviewed

Date	Photograph Identification	Approximate Scale
1968	AV858-7-35	2.54 centimeters = 305 meters (1-inch = 1,000 feet)
1977	AV1377-7-41	2.54 centimeters = 305 meters (1-inch = 1,000 feet)
1986	AV2774-7-9	2.54 centimeters = 152 meters (1-inch = 500 feet)
1996	AV5200-16-36	2.54 centimeters = 305 meters (1-inch = 1,000 feet)
2003	AV8402-11-9	2.54 centimeters = 122 meters (1-inch = 400 feet)
Source: Pacific Aerial Surveys		

1947: The subject site is developed with structures configured similar to a gasoline station which coincides with the site listed as a gasoline station in the 1948 city directory (Section 3.4). The property situated north-northwest of site contains residential structures. The property situated northeast of site beyond E. 14th Street contains the present day structure shown occupied by a tractor sales and service facility in the 1957 Sanborn map. The properties on the north and east corner of the E. 14th Street and 150th Avenue intersection contain structures similar in appearance to gasoline stations. The properties southeast and south of site beyond 150th Avenue are occupied by residential structures. Vacant land and a commercial or residential structure are shown on the properties adjoining the site to the west-northwest.

1953: The site appears similar to the gasoline station shown in the 1957 Sanborn map. The property situated to the north-northwest of the site has been developed with a structure configured similar to the office building shown in the 1957 Sanborn map. Bancroft Avenue (the northeasterly continuation of Hesperian Boulevard) appears to be under construction north of the subject site. The gasoline station properties on the north and east corners of E. 14th Street and 150th Avenue have been reconfigured, however, still appear to be gasoline stations. The property situated southeast of site contains a structure and a parking lot with a darkened patched area between. The property situated south of site contains two structures

similar in configuration of the office and residence noted in the 1957 Sanborn map. The property situated west-northwest of site has been developed with a triangular-shaped structure configured similar in appearance to the 1957 Sanborn map.

1959: No significant changes to the subject site were noted relative to the 1953 photograph. Construction of Bancroft Avenue appears complete. The gasoline station on the north corner of E. 14th Street and 150th Avenue has been reconfigured again. The property situated southeast of the site beyond 150th Avenue has been redeveloped with a structure and parking lot similar in appearance to the 1957 Sanborn map. Similarly, the structures at the property situated south of have been removed and this area appears as a parking lot. No other significant changes to the site vicinity were noted relative to the 1953 photograph.

1968: No significant changes to the subject site were noted relative to the 1959 photograph with the exception of overhangs extending from the site building similar in configuration to the present day appearance noted during off-site field observations. The property (14880 E. 14th Street) situated north-northwest of site beyond E. 14th Street and Hesperian Boulevard has been redeveloped with a gasoline station structure similar in appearance to the 1968 Sanborn map. The gasoline station on the east corner of E. 14th Street and 150th Avenue has been reconfigured similar in configuration to present day structures observed during the site vicinity reconnaissance. No other significant changes to the site vicinity were noted relative to the 1959 photograph.

1977: No significant changes to the subject site were noted relative to the 1968 photograph. The present day structures (15011 Hesperian Boulevard and 14895 E. 14th Street) have been constructed on the adjoining property to the west-northwest. No other significant changes to the site vicinity were noted relative to the 1968 photograph.

1986: No significant changes to the subject site were noted relative to the 1977 photograph with the exception of the presence of parked cars on the northern portion of the site. No other significant changes to the site vicinity were noted relative to the 1977 photograph.

1996: With the exception of the presence of the existing multi-tenant structures on the north corner of E. 14th Street and 150th Avenue, no significant changes to the site or site vicinity were noted relative to the 1986 photograph.

2003: No significant changes to the site or site vicinity were noted relative to the 1996 photograph with the exception of the property situated north-northwest of site. The gasoline station noted on this property in photographs reviewed dated 1968 through 1996 has been removed and appears to be under construction (Figure 2). Based on review of agency files, the present day Flyers gasoline station was constructed on this property later in 2003.

3.3. Building Permits

Ninyo & Moore reviewed files for the site addresses at the SLBD. Based on review of other historical sources (Sanborn maps and aerials), a structure existed on-site prior to the construction of the present day building. The building permit associated with the original building was not on file with the SLBD.

The earliest dated (September 1950) document on file with the SLBD indicates the site was developed as a service station owned by Tide Water Associates Oil Company. A permit for the addition of a canopy and additional of four feet of lube room space was issued to Tide-water Oil Company in December 1965. An undated plan document shows the addition of the northern and western canopies assumed associated with this permit document. The configuration of the site building appears similar to the site building shown in the 1968 Sanborn map. A letter dated July 1966 indicates a sign change from Flying A to Phillip's 66. A permit to install one 8,000-gallon capacity gasoline tank at the on-site Phillip's 66 Gas Station is dated March 1974. A Request for Zoning Approval document dated June 1976 shows the installation of an electronic machine tools for auto repair and indicates that "no major repair" operations are conducted at the site. This document also indicates the replacement of USTs. The number of USTs, their contents and capacities are not indicated. A document contained in the SLBD file indicates the Phillip's 66 gasoline station was closed in March 1976. A sign

permit issued in July 1976 indicates the site tenant as Electratune. A document issued by the City of San Leandro in September 1981 indicates the proposed use of the site by Quality Tune Up, Inc., an automotive repair shop, the present day occupant.

3.4. City Directories

City directories were reviewed by Ninyo & Moore personnel at the City of San Leandro Public Library for the site and adjacent properties. Haines and Polk city directories reviewed were from the years 1938, 1940, 1948, 1954, 1965, 1978, 1985, 1994, and 2003. A summary of listings for the subject site and adjacent addresses along E. 14th Street and Hesperian Boulevard is provided in Table 2.

Table 2 – Criss-Cross Directory Summary

Year	E. 14th Street	Hesperian Boulevard
1938	No listings in range	Hesperian Boulevard not listed
1940	No listings in range	Hesperian Boulevard not listed
1948	14895: Alabam Café 14900: Maldonado F M Tractor 14901: Riley DE Gas Station 14950: Murray M J Restaurant 14960: Fisher and Edwards Auto Repair, Pimentel & Son Auto Repair 14994: Marshall Manual Gas Station 15001: Farmer's Market Fruits 15013: Vacant 15014: Joe Corse Used Cars 15015: Plemmons, H A	Hesperian Boulevard not listed
1954	14895: Gordon's Restaurant 14900: MFD, Inc. Tractors 14901: Red's Flying A Service Gas Station 14994: Mobil Service Service Gas Station 15001: Vacant 15015: Pring's Big Plate Burger Restaurant	No listings in range

Table 2 – Criss-Cross Directory Summary

Year	E. 14th Street	Hesperian Boulevard
1965	14895: First State Bank of San Leandro, Northwestern Title Company 14880: Chuck's Shell Service 14900: California Builder's Supply 14901: Red's Flying A Service Gas Station 14960: Scotty's Service Auto Body Repair 14994: Nelson Mobil Service Gas 15008: Johnny's Union Service 15015: Pring's Coffee Shop Restaurant	No listings in range
1978	14895: Multiple Tenant Building 14880: Ted Brown Shell 14900: Four Star Building Supply 14901: Electrotune 14994: Kubo's Service Center 15008: Johnny's Union Service 15015: Pring's Coffee Shop	15002: Bayfair Chevron 15011: Carrow's Hickory Restaurant
1985	14895: Multiple Tenant Building 14880: The Z Surgeon 14900: Harry's Hofbrau 14901: Quality Tune Up Shop 14994: Kubo's Service Center 15008: Johnny Muis Union Service 15015: Pring's Coffee Shop	15002: Bayfair Chevron 15005: Church's Fried Chicken 15011: Carrow's Restaurant
1994	14895: Multiple Tenant Building 14880: A1 Auto Care Center 14900: Harry's Hofbrau 14901: Quality Tune Up, Smog Check Station 14964: Yogurt Delight 14966: XXXX 14968: SN Video 14994: Subway Sandwiches 15008: Chaus Bayfair 76 15015: Pring's Coffee Shop and Bakery	15002: XXXX 15005: XXXX 15011: Carrow's Restaurant

Table 2 – Criss-Cross Directory Summary

Year	E. 14th Street	Hesperian Boulevard
2003	14895: Multiple Tenant Building	
	14880: A1 Auto Care Center, Ryder Truck, Rental One Way	
	14900: Harry's Hofbrau	
	14901: Quality Tune Up, Smog Check Station	
	14964: Gluckman, Jana	
	14966: Chuan Sing Restaurant	15002: Bayfair Chevron
	14968: Magot Video Rental	15005: XXXX
	14670: Hair USA	15011: Carrow's Restaurant
	14672: Subway Sandwiches	
	14985: Stever, Joesph F.	
	14949: XXXX	
	15001: Panietz, Jacob	
	15008: Chaus Bayfair 76	
15015: Golden Bell Co., Pring's Coffee Shop		
Notes Bolded text indicates on-site listings XXXXX indicates that the address appeared in the directory, but no listing was available		

The site was first listed in city directories as a gasoline station in 1948. Based on review of other historical sources (aerial photographs and building permits), the gasoline station was demolished and redeveloped as Red's Flying A Gasoline Station in 1950. City directories show the site was occupied by Electrotune in 1978. Building permit documents reviewed indicate the site was occupied by a Phillip's 66 gasoline station from 1974 until 1976 when Electrotune was listed as a tenant. The present day tenant, Quality Tune Up, began operations in 1981 and was shown listed in the 1994 and 2003 city directories.

Properties in the site vicinity listed of environmental concern to the site include the gas stations and auto repair facilities historically located at:

- 14994 E. 14th Street (listed as a gasoline station in city directories reviewed dated 1948 to 1985),
- 15008 E. 14th Street (listed as a gasoline station in city directories reviewed dated 1965 to 2003), and
- 14880 E. 14th Street (listed as a gasoline station in the 1965, and an auto repair shop in the 1994 and 2003 city directories).

These properties were listed in the environmental database search (Section 6.0) as open leaking underground storage tank (LUST) cases, and based on their location relative to the subject site, files associated with these properties were requested from regulatory agencies. A discussion of the information obtained from agency file reviews is provided in Section 7.2.

The gasoline station property listed at 15002 Hesperian Boulevard (presently 15018 Hesperian Boulevard) in city directories dated 1978, 1985, and 2003 was also identified as a LUST in the environmental database search, however, received case closure in July 1999 (Section 7.2). Based on review of Sanborn maps showing the location of the automobile repair shop listed in the 1948 and 1965 city directories at 14960 E. 14th Street, this property was situated one parcel northeast from the north corner of E. 14th Street and 150th Avenue. This property was not listed in the environmental database search.

4. ENVIRONMENTAL SETTING

The following sections describe the topographic, geologic, soil and hydrologic characteristics of the site vicinity.

4.1. Topographic Conditions

The USGS, San Leandro, California, 7.5-minute quadrangle map (1959, Photorevised 1980), shows the site situated at an elevation of approximately 12 meters (40 feet) above mean sea level (MSL).

4.2. Geologic Conditions

The site is located within the Coast Ranges Geomorphic province. The Coast Ranges extend about 965.6 kilometers (600 miles) from the Oregon border to the central coast of California. The Coast Ranges are northwest trending and are underlain by marine and non-marine sedimentary rocks. Based on information contained in subsurface investigations performed for the subject site (Section 2.4), the site is underlain by alluvium, which primarily consists of

clay, silt, and sand. Boring logs contained in subsurface reports indicate 0.6 meter (two feet) of asphalt and gravels beneath which are clays and clayey sands.

4.3. Hydrogeologic Conditions

The closest body of water relative to the site is the San Lorenzo Creek, located approximately 1,828 meters (600 feet) south of the site, and the San Francisco Bay located approximately 5 kilometers (3 miles) west of the site. Localized groundwater flow as reported in subsurface reports prepared for the subject site indicate a south to southeasterly direction with an approximate depth of 4 meters (13 feet) below ground surface. Refer to Section 7.2 for groundwater gradient direction (Figure 2) and depths associated with neighboring properties.

4.4. Groundwater Monitoring Wells

A number of groundwater monitoring wells have been installed in the site vicinity. Please refer to Figure 2 for their locations on neighboring properties. Refer to Section 7.2 for a discussion of neighboring properties that have installed monitoring wells. Based on information obtained at the SLESD and observations of the site from public rights-of-way, no monitoring wells have been installed at the subject site.

5. SITE RECONNAISSANCE

Site reconnaissance of the subject site was not performed per the request of the CSL due to property owner not authorizing access. On June 30, 2004, Ms. Dawn Ritzman of Ninyo & Moore conducted a walking tour of the site vicinity that included visual observations of the site adjoining properties from public rights-of-way. Color photographs taken during the site reconnaissance are presented in Appendix A.

5.1. Chemical Storage/Hazardous Waste Storage

An unknown quantity of oil and waste oil was observed within a concrete block enclosure adjacent to the southwestern exterior of the site building. Quantities of lubrication oil, anti-freeze, transmission fluid and other vehicle maintenance-related fluids are likely stored within the site building, based on the nature of business conducted at this site.

5.2. Chemical Storage Tanks

One bulk oil tank (approximately 250-gallon capacity) was observed in the concrete enclosure adjacent to the southwestern exterior of the site building. Per the request of the CSL, site reconnaissance of the subject site was not performed.

5.3. Polychlorinated Biphenyls (PCBs)

Site reconnaissance of the subject site was not performed per the request of the CSL due to property owner not authorizing access.

5.4. Subsurface Structures

Site reconnaissance of the subject site was not performed per the request of the CSL due to property owner not authorizing access.

5.5. Surface Staining

Site reconnaissance of the subject site was not performed per the request of the CSL due to property owner not authorizing access.

5.6. Storm Drains

Site reconnaissance of the subject site was not performed per the request of the CSL due to property owner not authorizing access.

5.7. High Power Transmission Lines

No aboveground high power transmission lines were observed in the vicinity of the site.

5.8. Utilities

The following sections identify the electrical, natural gas, potable water, and sewage disposal utility companies providing service to the site.

5.8.1. Electricity and Natural Gas

Pacific Gas & Electric (PG&E) supplies electricity and natural gas to the subject site.

5.8.2. Potable Water

Potable water to the site is provided by East Bay Municipal Utilities District (EBMUD).

5.8.3. Sewage Disposal

Sewage disposal at the site is provided through the Oro Loma Sanitary District.

5.9. Asbestos Containing Materials (ACMs)

ACMs are suspected to be present at the site, based on the date of construction (1950).

5.10. Lead Based Paint (LBP)

There is a potential for lead-based paint to be present at the site, because the building on-site was constructed (1950).

6. RESULTS OF REGULATORY AGENCY LIST REVIEW AND FILE RESEARCH

A computerized, environmental information database search was performed by *Environmental FirstSearch™* (*FirstSearch*) on July 14, 2004. The *FirstSearch* search included federal, state, and local databases. A summary of the environmental databases searched, their corresponding search radii, and number of noted sites of environmental concern, is presented in Appendix D. In addi-

tion, a complete description of the assumptions and approach to the database search is provided in Appendix D. The review was conducted to evaluate whether the site or properties within the vicinity of the site have been identified as having experienced significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects.

The database search identified several surrounding properties of potential environmental concern on various databases. In addition, one non-geocoded property (San Leandro Plume) was identified in the vicinity of the subject site. However, based on projects previously performed by Ninyo & Moore in the City of San Leandro, the non-geocoded property is situated at a distance of over 1.6 kilometers (1.0 mile) and crossgradient from the subject site and does not present an environmental concern. The subject site was listed on the LUST and UST databases. Removal activities associated with the former USTs on-site is provided in Section 2.4. Additional information obtained from the SLESD concerning USTs and the remedial status of the subject site is provided in Section 7.1.

The following paragraphs describe the databases that were searched as part of this environmental database search and include a discussion of the regulatory status of the listed facilities and any potential environmental impact to the subject site. The groundwater gradient information provided indicates whether the individual facility is upgradient of, downgradient from, or crossgradient to the subject site in terms of groundwater flow. Groundwater flow direction in the vicinity of the subject site is to the south-southwest based on information contained in subsurface reports prepared for neighboring properties. Refer to Figure 2 for direction of groundwater flow reported for neighboring properties.

United States Environmental Protection Agency, National Priorities List (NPL)

This list identifies hazardous material sites slated for cleanup under the federally sponsored Superfund program. These sites receive remedial funding under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

Neither the subject site nor properties within a 1.6-kilometer (1.0-mile) radius of the subject site were listed.

United States Environmental Protection Agency, CORRACTS List

This list identifies RCRA facilities that are undergoing “corrective action.” A “corrective action order” is issued pursuant to RCRA when there has been a release of hazardous waste into the environment from a RCRA facility.

Neither the subject site nor properties within a 1.6-kilometer (1.0-mile) radius of the subject site were listed.

Department of Toxic Substances Control, State Sites List

The California EPA Department of Toxic Substances Control (DTSC) maintains a database of information on properties in California where hazardous substances have been released, or where the potential for such release exists. The types of properties in the CALSITES database are categorized as Annual Work Plan, Backlogged Properties, Certified/De-listed Sites, No Further Action, Preliminary Endangerment Assessment in Progress, Removal Action Required, Expedited Remedial Action Program, Voluntary Cleanup Program, Deed Restricted Properties, and Referred Properties.

The site was not listed. Two properties were listed within 1.6 kilometer (1.0 mile) radius of the site. These two properties are reported over 1,219 meters (4,000 feet) northwest (cross-gradient from the subject site). Based on the crossgradient locations and distances of these facilities from the subject site, there is a low likelihood that these facilities have negatively impacted the environmental integrity of the subject site.

United States Environmental Protection Agency, Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) List

The CERCLIS database contains properties which are either proposed or on the National Priorities List (NPL), and properties which are in the screening and assessment phase for possible inclusion on the NPL. Properties identified by the United States Environmental Protection Agency (USEPA) which may have the potential for releasing hazardous substances into the environment are listed in this database.

Neither the subject site nor properties within a 0.8-kilometer (0.5-mile) radius of the subject site were listed.

United States Environmental Protection Agency, RCRA TSD List

This list identifies USEPA-listed facilities which report storage, treatment and/or disposal of hazardous waste (TSD facility) under the USEPA's Resource Conservation and Recovery Act (RCRA) program.

Neither the subject site nor properties within a 0.8-kilometer (0.5-mile) radius of the subject site were listed.

State Water Resources Control Board, Leaking Underground Storage Tank (LUST) List

The Leaking Underground Storage Tanks Information System (LUSTIS) is maintained by the California State Water Resources Control Board (SWRCB), pursuant to Section 25295 of the Health and Safety Code.

The site and thirteen properties within 0.8-kilometer (0.5-mile) radius were listed. Please refer to Section 2.4 for information related to subsurface sampling activities associated with the removal of USTs at the subject site and 7.1 below for information obtained from the SLESD concerning the remedial status of the subject site.

Of the 13 off-site listed cases, 8 were reported to be located more than 0.4-kilometer (0.25-mile) from the site or have a 'cased closed' status. For these reasons, there is a low likelihood that these properties have adversely affected the environmental integrity of the subject site. Files associated with the remaining 5 cases reported within 0.4-kilometer (0.25-mile) of the site were requested from local regulatory agencies. Please refer to Section 7.2 for a discussion of information obtained from agencies concerning these properties.

Multiple Agency, State of California Solid Waste Landfill (SWL) List

As legislated under the Solid Waste Management and Resource Recovery Act of 1972, the California Integrated Waste Management Board (CIWMB) maintains the Solid Waste Information System (SWIS) which lists certain facilities (e.g., active solid waste disposal sites, inactive or closed solid waste disposal sites and transfer facilities). The SWRCB maintains the Waste Management Unit Database System (WMUDS). This database is no longer updated. It tracked management units for several regulatory programs related to waste management and its potential impact on groundwater. Listings on these databases are not necessarily indicative of sites where a release of hazardous substances has occurred. Note: These databases contain poor facility location information for many sites in the *FirstSearch* reports.

Neither the subject site nor properties within a 0.8-kilometer (0.5-mile) radius of the subject site were listed.

Multiple Agency, Underground Storage Tank (UST) and Aboveground Storage Tank (AST) Lists

Information regarding underground storage tanks registered with the Local Oversight Program (LOP) for their location are listed for sites within a 0.8-kilometer (0.5-mile) of the subject property. These LOP's are referred to as CUPA's. CUPA's are Certified Unified Program Agencies certified by the CAL EPA to implement six state environmental programs with local agency jurisdiction. One of the programs is the UST program, which is applicable to this information category. A CUPA may be a County or City agency. In addition, many counties within California have several CUPA's within them because some cities prefer to act as the Local Oversight whereas others do not and defer that responsibility to their county program. Each CUPA maintains some form of tank registration list/s. Information regarding

aboveground storage tanks registered with the California SWRCB is provided on the agency's AGT list. Included in this report are properties within 0.4-kilometer (0.25-mile) of the subject site that are listed on the SWRCB AGT (AST) list. The UST/AST lists consist of properties that have registered tanks, and are not necessarily indicative of sites where a release of hazardous substances has occurred.

The site and nine properties within 0.8-kilometer (0.5-mile) radius were listed. These properties were also on the LUST database and are discussed in Section 2.4 (site) and the appropriate subsections of Section 7.0 below.

State Water Resources Control Board/s, SLIC (SPILLS) Lists

The Nine California State Regional Water Quality Control Boards (SWRCB) each maintain reports of sites that have records of spills, leaks, investigation, and cleanups for areas in their jurisdiction.

Neither the subject site nor properties within a 0.2-kilometer (0.125-mile) radius of the subject site were listed.

United States Environmental Protection Agency, Resource Conservation and Recovery Act (RCRA) Generator (GNRTR)

This database identifies USEPA-listed facilities that report generation of reportable quantities (>100 kilograms) of hazardous waste under the RCRA program for the identification and tracking of hazardous waste. The list consists of properties that generate hazardous waste, and is not necessarily indicative of sites where a release of hazardous substances has occurred.

The site was not listed. Five GNRTR facilities were reported to be located over 0.2-kilometer (0.125-mile) from the subject site. With the exception of Swiss Cleaners (14883 E. 14th Street) which is approximately 61 meters (200 feet) northwest and crossgradient from the site, the facilities are reported at distances that would not present an environmental concern to the site or do not have reported violations.

A file review for 14883 E. 14th Street (Eden Center) was conducted at the Regional Water Quality Control Board (RWQCB). Based on information obtained from a Semi-Annual Monitoring Report prepared by Hydro Analysis, Inc. (HAI) (dated January 2004) shallow groundwater has been impacted by tetrachloroethylene (PCE) from dry cleaning operations. Remediation activities performed at this property have included the installation of a soil vapor extraction and groundwater sparging system in 1997 that operated for two years in which time, a reduction of PCE concentrations has been reported. Groundwater flow direction reported for this property is towards the south with a depth to groundwater ranging from 3 to 4 meters (10 to 13 feet) below ground surface. Based on monitoring data and remediation activities performed for this property, a Request for Case Closure to the RWQCB was issued by HAI in January 2004. Based on documented remediation activities and the direction of groundwater flow reported for this property, there is a low likelihood that this property has

adversely affected the environmental integrity of the subject site. Pertinent records associated with this property are provided in Appendix E.

United States Environmental Protection Agency, Resource Conservation and Recovery Information System (RCRIS), No Longer Regulated (NLR)

This database identifies USEPA-listed facilities that report generation of reportable quantities (>100 kilograms) of hazardous waste per month or do not meet other RCRA requirements. These facilities are no longer regulated. Listing on this database is not necessarily indicative of facilities where a release of hazardous substances has occurred.

The site was not listed. One property was reported to be 0.4-kilometer (0.25-mile) northwest (crossgradient) of the site. However, no details concerning this property were included in the *FirstSearch* report and this property does not appear on any other list that has reported a release. Based on this information, there is a low likelihood that this property has adversely affected the environmental integrity of the subject site.

United States Environmental Protection Agency, Emergency Response Notification System (ERNS)

The ERNS is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities, including the USEPA, the United States Coast Guard, the National Response Center, and the Department of Transportation. The ERNS list contains records beginning in October 1986.

The site was not listed on the ERNS database. One property, PG&E (14966 E. 14th Street) was listed twice. The *FirstSearch* report indicates the natural gas leak (quantity unknown) occurred at this property in December 1990. This reported release appears to be an isolated incident and there is a low likelihood that this property has adversely affected the environmental integrity of the subject site.

Refer to Appendix D for a complete listing of the properties appearing on the databases reviewed for this ISA.

7. ENVIRONMENTAL REGULATORY AGENCY INQUIRIES

Based on field observations, historical research, and environmental database review, information regarding the site and relevant surrounding properties, if available, was requested from local government agencies. Based on information obtained through written requests to local government agencies, it was our opinion that additional interviews of regulatory officials would provide additional information to this ISA with regard to the subject site. A phone interview was conducted

with Mr. Michael Bakaldin, Assistant Director of the City of San Leandro formerly with the SLESD, on Monday, July 19, 2004 and is summarized below.

7.1. Subject Site

Records for the subject site were requested from the City of San Leandro Environmental Services Division (SLESD), the Alameda County Department of Environmental Health (ACDEH), the San Francisco Bay Regional Water Quality Control Board (RWQCB), the Department of Toxic Substances Control (DTSC), and the Bay Area Air Quality Management District (BAAQMD). With the exception of the SLESD, agency representatives indicated there were no files for the site address. A summary of information contained in the SLESD files reviewed is provided below. Copies of pertinent agency documents are provided in Appendix C.

Information maintained by the SLESD for the site address included the aforementioned subsurface investigation reports discussed in Section 2.4. Other information on file with the SLESD included Hazardous Waste Inventory Statements (HWIS), an Alameda Countywide Clean Water Program Inspection Report Forms, and general inspection reports.

Hazardous wastes and approximate quantities generated (annually) listed on the HWIS (dated August 2000) include engine oils (240 gallons), used antifreeze (55 gallons), and waste lead batteries (quantity not provided). Non-waste hazardous materials and the average amounts stored listed include 40 gallons of antifreeze and 300 gallons of motor oil.

Inspection documents for the clean water program indicate the facility does not require a storm water permit. Comments included on the inspection form indicate the facility has a 2-3 car capacity within the site building and that maintenance activities are also performed beneath the awnings. With the exception of a used oil filter drum, empty lubricant oil containers and an 85-gallon container of mixed waste oil/coolant, the majority of used auto fluids are stored indoors. Inspection documents indicate the presence of oil staining within the site building and in the vicinity of outdoor maintenance areas. An inspection report dated September 1996 indicates

spillage in the vicinity of the UST fill port. A recent inspection document (August 2002) shows a number of violations issued to the site for improper labeling of empty and waste containers and not disposing of hazardous wastes within thirty days of the accumulation start date. Other pertinent comments noted on inspection forms indicate there are no floor drains or storm drains on-site and that the subject site was a former gasoline station.

A permit to operate a 200-gallon capacity waste oil tank (installation date unknown) was issued in February 1991. The associated application form indicates the tank to be of single-walled construction. An application to renew this permit was submitted in June 1995. The report documenting the removal in 1997 of three product USTs and the waste oil UST show the capacity of the waste oil UST as 500-gallons (Section 2.4).

Mr. Bakaldin was contacted concerning the open case status of the subject site. According to Mr. Bakaldin, at the time of subsurface investigation activities in 1997, the contamination reported for the subject site was considered to be a low priority and it was suggested that contamination reported for neighboring gasoline station properties was the likely source of on-site contamination. Mr. Bakaldin recommended that an on-site investigation be performed to evaluate whether contamination reported for the site is attributable to the former on-site gasoline station, the migration of contamination from upgradient properties, or a combination of on-site and off-site releases. Mr. Bakaldin indicated that such an evaluation of the subject site should occur prior to the purchase or take over of the subject site by the CSL.

7.2. Off-Site Properties of Environmental Concern

Records for off-site properties of concern listed in the *FirstSearch* report were requested from the SLESD, the ACDEH, and the RWQCB. A summary of information obtained from these agencies is presented below. Copies of pertinent records are provided in Appendix E. Please refer to Figure 2 for locations of these properties relative to the subject site.

76 Gasoline Station, 15008 E. 14th Street

A 76 gasoline station is located east of and adjacent to the subject site beyond the E. 14th Street and 150th Avenue intersection. This property has operated as a gasoline station since at least as early as 1947. Based on information obtained from a file review conducted at ACDEH, two gasoline USTs, one waste oil tank, and associated piping were removed from the facility in January and February 1991 during UST replacement activities. Contaminated soils found during UST excavation activities extended to groundwater to depths of approximately 5 meters (17 feet) below ground surface. Eleven monitoring wells (MW-1 through MW-11), five at the 76 gasoline station property, four on the properties southwest of the 76 gasoline station property, and one in the entrance drive to the Former Mobil gasoline station property (discussed below) situated northwest of the 76 gasoline station property (Figure 2).

Based on a map contained in the First Quarter 2004 Groundwater Sampling Report, prepared by TRC (dated April 2004), the nearest monitoring wells to the subject site, MW-8 and MW-9, are situated approximately 30 meters (100 feet) southeast of the site on the adjoining southeasterly property (beyond 150th Avenue) presently occupied by a restaurant parking lot. The remaining wells are situated over 46 meters (150 feet) northeast, east, and southeast of the subject site. The direction of groundwater flow shown for the 76 station is to the southwest, generally cross-gradient relative to the subject site with an average depth of approximately 3 meters (9 feet) below ground surface.

Groundwater data contained in the 2004 TRC report indicate the greatest concentrations of hydrocarbons detected in monitoring wells associated with the 76 gasoline station property were found in samples collected from monitoring wells (MW-1 and MW-2) situated along the southwestern portion of this property, downgradient relative to the dispenser islands and USTs. Specifically, total purgeable petroleum hydrocarbons (TPPH) was detected at concentrations of up to 8,200 µg/L; ethylbenzene at 84 µg/L, and MTBE at 33 µg/L in MW-1. Monitoring wells (MW-10 and MW-11) situated on the southwest side of E. 14th contained concentrations of up to 7,100 µg/L of TPPH, 4.1 µg/L of benzene, 3.8 µg/L of ethylbenzene, and 170 µg/L of MTBE. TPPH was detected at 600 µg/L in MW-9, one of the monitoring wells nearest the subject site. Historic groundwater data tables prepared by Gettler Ryan, Inc. (GRI) contained in the TRC report indicated TPHg concentrations ranging from 168 µg/L to 14,000 µg/L in samples collected from MW-8 since 1992, and ranging from non-detect to 8,100 µg/L in samples collected from MW-9.

Groundwater data indicates the migration of contamination towards the southwest to the subsurface beneath E. 14th Street and properties situated to the southwest of this property, based on detectable concentrations of petroleum hydrocarbons reported in downgradient monitoring wells.

Former Mobil Station, 14994 E. 14th Street

The property formerly occupied by a Mobil gasoline station, situated northeast of the site beyond E. 14th Street, operated as a gasoline station from at least as early as 1947 until 1984,

when operations were discontinued. In approximately 1994, the property was redeveloped into a multi-tenant commercial structure. According to information contained in a Formal Case Closure Request prepared by Alton Geoscience (AG) in November 1998, the Mobil gasoline station discontinued operations in 1984 and in 1987, three unleaded gasoline tanks, one waste oil tank, associated fuel dispensers, and piping were removed. An unknown quantity of petroleum hydrocarbon impacted soil was removed from this property. In 1987, during excavation activities associated with Pacific Gas & Electric (PG&E), soil samples collected from beneath the sidewalk (along 150th Avenue) to the southeast of the former Mobil gasoline station revealed a concentration of 45,000 mg/kg of total oil and grease (TOG). Six soil borings (SCB-1 through SCB-6) were advanced to depths ranging from 3 to 4 meters (9.5 to 13.5 feet) below ground surface in the area near the PG&E excavation in September 1987. Analytical results for soil sample collected at 1.5 meters (5 feet) below ground surface from SCB-6 detected tetrachloroethylene (PCE) at 6.6 mg/kg, trichloroethylene (TCE) at 15 mg/kg, and trans-1,2-dichloroethylene (1,2-DCE) at 8 mg/kg. The AG report indicates that the PG&E area was over excavated in March 1988; however, the depth of excavation and the laboratory results of soil sampling were not contained in the Subsurface Consultants, Inc. report documenting the activities.

A soil boring, which was subsequently converted into a monitoring well (MW-1A) was advanced to a depth of 7 meters (24 feet) below ground surface in March 1988. TPHg was detected in a water sample collected from this well at a concentration of 29,000 µg/L. Additional subsurface activities conducted in February 1994 included the advancement of four additional soil borings (B-1 through B-4), two of which were later converted into groundwater monitoring wells (MW-2A and MW-3A). Soil samples collected from the borings contained concentrations of TPHg at 4,100 µg/kg, TPHd at 650 µg/kg, and TOG at 160. Groundwater samples contained TPHg, TPHd, and benzene at 19,000 µg/L, 10,000 µg/L, and 70 µg/L, respectively. TOG was not detected above the laboratory reporting limit in any of the groundwater samples. In 1995, additional borings (B-5 through B-9) were advanced and monitoring wells (MW-4A through MW-7A) were installed at the site. TPHg was detected in B-7, B-9, MW-4A, and MW-5A at a concentration of up to 130 µg/l. The groundwater monitoring wells were sampled and monitored on a quarterly basis from 1994 until 1997, when the sampling schedule was reduced from quarterly to semi-annually.

Based on a map contained in the most recently available groundwater monitoring and sampling report (First Semi-Annual Event - February 2004), prepared by ETIC Engineering, Inc. (EEI), the nearest monitoring well to the subject site is monitoring well MW-7A. Prior to its abandonment in 2000 (along with MW-4A through MW-6A), MW-7A was situated in the E. 14th Street, approximately 15 meters (50 feet) northeast of the subject site. The nearest existing monitoring well to the subject site is MW-2A and MW-3A which are situated in the parking lot area of the present day commercial structure, approximately 30 meters (100 feet) northeast of the subject site. The remaining existing well MW-1A is situated approximately 46 meters (150 feet) away from the northeastern-most boundary of the subject site.

The highest concentrations in groundwater of TPHd, benzene, toluene, ethylbenzene, and total xylenes detected in MW-7A prior to its abandonment were reported at 75 µg/L, 2.2 µg/L, 6.3 µg/L, 1.4 µg/L, and 7.9 µg/L, respectively. These concentrations were reported in groundwater monitoring events that occurred in February and May of 1996. With the exceptions of toluene (0.96 µg/L in November 1996 and 2.4 µg/L in February 1997) and total xylenes (1.6 µg/L in November 1996), groundwater samples collected from MW-7A from 1995 until its abandonment in 2000, did not contain detectable concentrations of contaminants above the laboratory reporting limits. TPHg was not detected in groundwater samples collected for this well in any of the groundwater monitoring events.

The results of the most recent round of groundwater sampling presented in Table 1 of the EEI 2004 groundwater monitoring report indicated that the greatest concentrations of TPHg and BTEX are in well MW-3A. Specifically, TPHg was detected at 2,810 µg/L, benzene at 1.20 µg/L, toluene at 8.2 µg/L, ethylbenzene at 5.9 µg/L, and total xylenes at 9.1 µg/L. The direction of groundwater flow shown for the Former Mobil gasoline station is to the south-southwest, generally upgradient relative to the subject site with an average depth of approximately 3 meters (9 feet) below ground surface.

Former Shell Service Station, 14880 E. 14th Street

The Former Shell (14880 E. 14th Street) is located north-northwest of the subject site (approximately 91 meters/300 feet) beyond the E. 14th Street and Hesperian Boulevard intersection. At the time of the field survey of the site vicinity, this property was occupied by an active Flyers gasoline station. USTs and dispenser islands were removed in November 1981. A soil and groundwater investigation performed in May 2001 by Clearwater Group, Inc. (CGI) to assess the condition of the subsurface prior to the redevelopment of this property as a new service station. Petroleum hydrocarbons were detected in soil samples collected from the vicinity of the former USTs and concentrations of hydraulic oil were detected in soil samples collected in the area of the hydraulic lifts. Concentrations of up to 460,000 µg/L of TPHg and 6.0 µg/L of MTBE were found in groundwater samples collected from the area immediately southeast of the former USTs.

According to a Site Assessment Report prepared by Delta Environmental Consultants, Inc. (DEC) dated March 2004, over 500 and 57 cubic meters (75 cubic yards) of soil was removed from the former UST area and the former hydraulic hoists during redevelopment activities in 2003. Four groundwater monitoring wells (MW-1 through MW-4) were installed in January 2004. Groundwater was reported at approximately 3 meters (11 feet) below ground surface and assumed to flow in a southwesterly direction. TPHg was reported in MW-2 and MW-4 at concentrations ranging from 1,000 to 4,700 µg/L; however, a laboratory note indicated the gasoline range did not match the laboratory's gasoline standard. DEC concluded that "petroleum hydrocarbons appeared to be confined to the site." DEC recommended quarterly groundwater monitoring.

A DEC Quarterly Groundwater Monitoring Report (dated May 2004) indicates the groundwater flow towards the south-southeast (towards the subject site). Based on a map contained in the report, the nearest monitoring wells to the subject site, MW- 2 and MW-3, are situated approximately 30 and 15 meters (100 and 50 feet) north and northwest, respectively, of the intersection of E. 14th Street and Hesperian Boulevard approximately 122 and 106 meters (400 and 350 feet) from the northern-most point of the subject site. The remaining wells are situated over 122 meters (400 feet) north and northwest of the northern-most point of the subject site. MTBE was reported in MW-2 at 0.61 µg/L. TPHg was reported in MW-2 and MW-3 at 200 and 630 µg/L, respectively. A laboratory note indicated the gasoline range did not match the laboratory's gasoline standard.

Former Chevron Station, 15002 Hesperian Boulevard

The Former Chevron is situated approximately 46 meters (150 feet) south and downgradient of the site beyond 150th Avenue. This property was redeveloped as Premier Gasoline Station and is addressed 15018 Hesperian Boulevard. The *FirstSearch* database report indicated 15002 Hesperian Boulevard as a closed LUST case. A Completion Certification dated July 1999 issued by the ACDEH confirmed completion of subsurface investigations and remedial action for this property. Closure documentation indicates three gasoline USTs and one waste oil UST were removed in approximately 1984, and that second waste oil UST was removed in 1998. Reportedly, an unauthorized release related to former UST piping had occurred and subsequently, eight monitoring wells had been installed at this property. The groundwater flow direction was reported predominately towards the south, periodically shifting towards the southwest to southeast and encountered at depths ranging from approximately 2.4 to 4.6 meters (8 to 15 feet) below ground surface.

Closure documentation indicates groundwater was sampled on a quarterly (some wells on a semi-annual to annual) basis from 1987 through August 1988. Groundwater samples were reported to have reduced in concentrations of TPHg (from 12,000 µg/L to 1,000 µg/L), benzene, toluene, ethylbenzene, and total xylenes (from 120 µg/L, 110 µg/L, 110 µg/L, and 130 µg/L, respectively to <0.5 µg/L). Based on the geographic location (downgradient) and closed status of this case, there is a low likelihood that this property has adversely affected the environmental integrity of the subject site.

8. FINDINGS AND CONCLUSIONS

Ninyo & Moore has performed a Initial Site Assessment, in conformance with the Scope of Work for an ISA, of 14901 E. 14th Street in San Leandro, California. This assessment has revealed no evidence of potential adverse environmental conditions associated with the subject site, except the following:

- The site is addressed 14901 E. 14th Street, between 150th Avenue and Hesperian Boulevard, in the City of San Leandro, California and consists of an approximately 980 square meters (10,556 square foot), triangular-shaped parcel. The site is developed with one single-story structure encompassing approximately 84 square meters (900 square feet) occupied by Quality Tune-Up, a automobile service and smog check facility.
- Based on the review of historical resources, the site was occupied by Riley's Gasoline Station from at least as early as 1948 until approximately 1950, when the present day structure was constructed and was occupied by Red's Flying A Service Gas Station. Other businesses that have operated the site as a gasoline and service station include Phillip's 66 (1974-1976), Electrotune (1976 until sometime prior to 1981), and Quality Tune Up and Smog Check Center (1981-present).
- Adjacent properties include Flyers gasoline station to the north-northwest, Harry's Hofbrau restaurant and a multi-tenant commercial structure to the northeast. A 76 gasoline station is situated east of site beyond the E. 14th Street and 150th Street intersection. La Bella Italia restaurant and vacated asphalt-paved lot are situated southeast and south of site. Properties situated west-northwest of site include Carrows restaurant and a multiple tenant Bank of the West building.
- Four USTs (two 10,000-gallon capacity gasoline USTs, one 5,000-gallon capacity gasoline UST, and one 500-gallon capacity waste oil UST) were removed from the subject site in 1997. The USTs were noted to be in good condition and soil samples collected from the UST excavation and soil pile contained "low levels" of petroleum hydrocarbons and regulatory officials indicated that additional over-excavation would not be required. However, subsurface investigations performed at the subject site have revealed concentrations of up to 210,000 µg/L of TPHg, 200 µg/L of benzene, 180 µg/L of toluene, 180 µg/L of ethylbenzene, and 420 µg/L of total xylenes in groundwater. Analytical results from soil samples collected reported the following maximum concentrations: TPHg, 180 mg/kg; benzene, 230 µg/kg; toluene, 320 µg/kg; ethylbenzene, 560 µg/kg; and total xylenes, 1,400 µg/kg. Based on discussions with a CSL employee familiar with on-site tank closure and subsurface sampling activities performed at the site in 1997, it is unknown if the contamination reported for the site is attributable to the former on-site gasoline station, off-site upgradient source(s), or a combination of an on- and off-site release.
- Several adjacent properties, formerly and currently operating as gasoline stations that may be an environmental concern to the site include the 76 Station at 15008 E. 14th Street, the Former Mobil Station at 14994 E. 14th Street, and the Former Shell Station at 14880 E. 14th Street. According to files reviewed for these properties, there is a potential of petroleum hydrocarbon contamination has migrated from these properties to areas beneath the subject site and E. 14th Street in the vicinity of proposed road widening improvements.

- Groundwater beneath the site and in the site vicinity has been reported to be between 2.4 to 4.6 meters (8 to 15 feet) below ground surface. The groundwater gradient is to the south-west.

9. RECOMMENDATIONS

Based upon the preceding findings and conclusions, Ninyo & Moore recommends the following:

- An additional evaluation, including soil and groundwater sampling and analysis, is recommended for the subject site in efforts to receive proper closure from the SLESD prior to the purchase of the subject site from the current owner.
- If construction activities are proposed to extend to depths at or near the average depth of groundwater in the site vicinity, grab groundwater samples should be collected to evaluate the likelihood of contaminants encountered during the proposed road widening and sidewalk improvement activities.
- Additionally, if construction activities are proposed to extend to depths at or near the average depth of groundwater in the site vicinity, dewatering will be necessary. Prior to any dewatering, it will be necessary to obtain a National Pollutant Discharge Elimination System (NPDES) permit. If groundwater is encountered during sidewalk construction activities, specifically beneath the areas of E. 14th Street near former or present day gasoline stations (14880 E. 14th Street, 14994 E. 14th Street, and 15008 E. 14th Street), special conditions with regard to acquisition of the NPDES permit should be anticipated.
- As with all construction projects of this nature, we recommend that all work be conducted under the conditions of an approved Site Specific Health and Safety Plan. We also recommend that an environmental monitoring and contingency plan (soil and groundwater management plan) be in place and implemented if suspected contamination is encountered at any time during construction.

10. LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No other warranty, expressed or implied, is made regarding the professional opinions presented in this report. Please note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

This document and the referenced ISA are intended to be used only in their entirety. No portion of these documents, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

Our findings, conclusions, and recommendations, are based on an analysis of the observed site conditions and the referenced literature. It should be understood that the conditions of a site can change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

11. SELECTED REFERENCES

- Alameda County Department of Environmental Health, 2004, File Review: July 8.
- City of San Leandro Building Department, 2004, File Review: June 30.
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- Hageman Aguiar, Inc., 1996, Proposed Workplan for Additional Subsurface Investigation: November 4.
- Hageman Aguiar, Inc., 1997, Report of Additional Subsurface Investigation: January 6.
- Hageman Aguiar, Inc., 1997, Final Tank Closure Report: October 13.
- Regional Water Quality Control Board, 2004, File Review: July 6.
- Track Info Services, LLC, 2004, Environmental FirstSearch™ Report: June 14.

12. AGENCY CORRESPONDENCE

Alameda County Department of Environmental Health, 2004, Letter Correspondence: June 29.

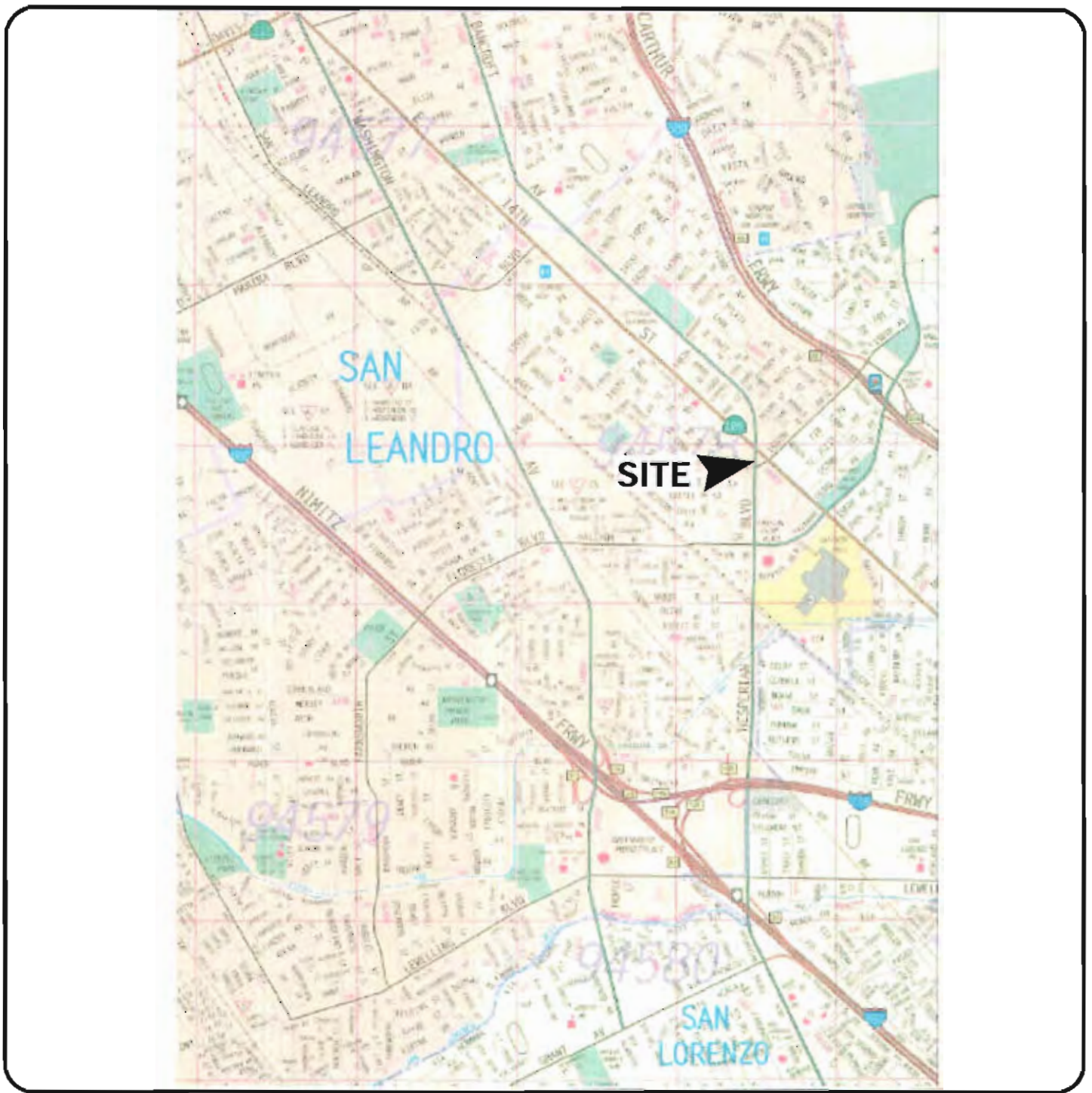
Bay Area Air Quality Management District, 2004, Letter Correspondence: June 25.

City of San Leandro Environmental Services Division, 2004, Letter Correspondence: June 25.

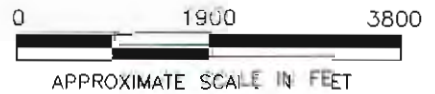
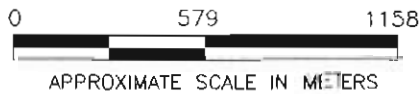
City of San Leandro Environmental Services Division, 2004, Phone Interview: July 6.

Department of Toxic Substances Control, 2004, Letter Correspondence: June 25.

Regional Water Quality Control Board, 2004, Letter Correspondence: June 25.



REFERENCE: 2004 THOMAS GUIDE FOR ALAMEDA AND CONTRA COSTA COUNTIES, STREET GUIDE AND DIRECTORY.



401007-A1.DWG

Ninyo & Moore

SITE LOCATION MAP

QUALITY TUNE UP
14901 E. 14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.
401007001

DATE
9/2004

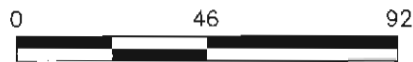
FIGURE
1

LEGEND

- FLYER'S GASOLINE STATION MONITORING WELLS
- FORMER MOBIL GASOLINE STATION MONITORING WELLS
- 76 GASOLINE STATION MONITORING WELLS
- ABANDONED MONITORING WELL
- DIRECTION OF REPORTED GROUNDWATER FLOW
- SITE BOUNDARY



APPROXIMATE SCALE IN FEET



APPROXIMATE SCALE IN METERS

REFERENCE: HJW, 2003 AERIAL PHOTOGRAPH

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.



SITE VICINITY MAP

QUALITY TUNE UP
14901 E. 14th STREET
SAN LEANDRO, CALIFORNIA



PROJECT NO.
401007001

DATE
9/2004

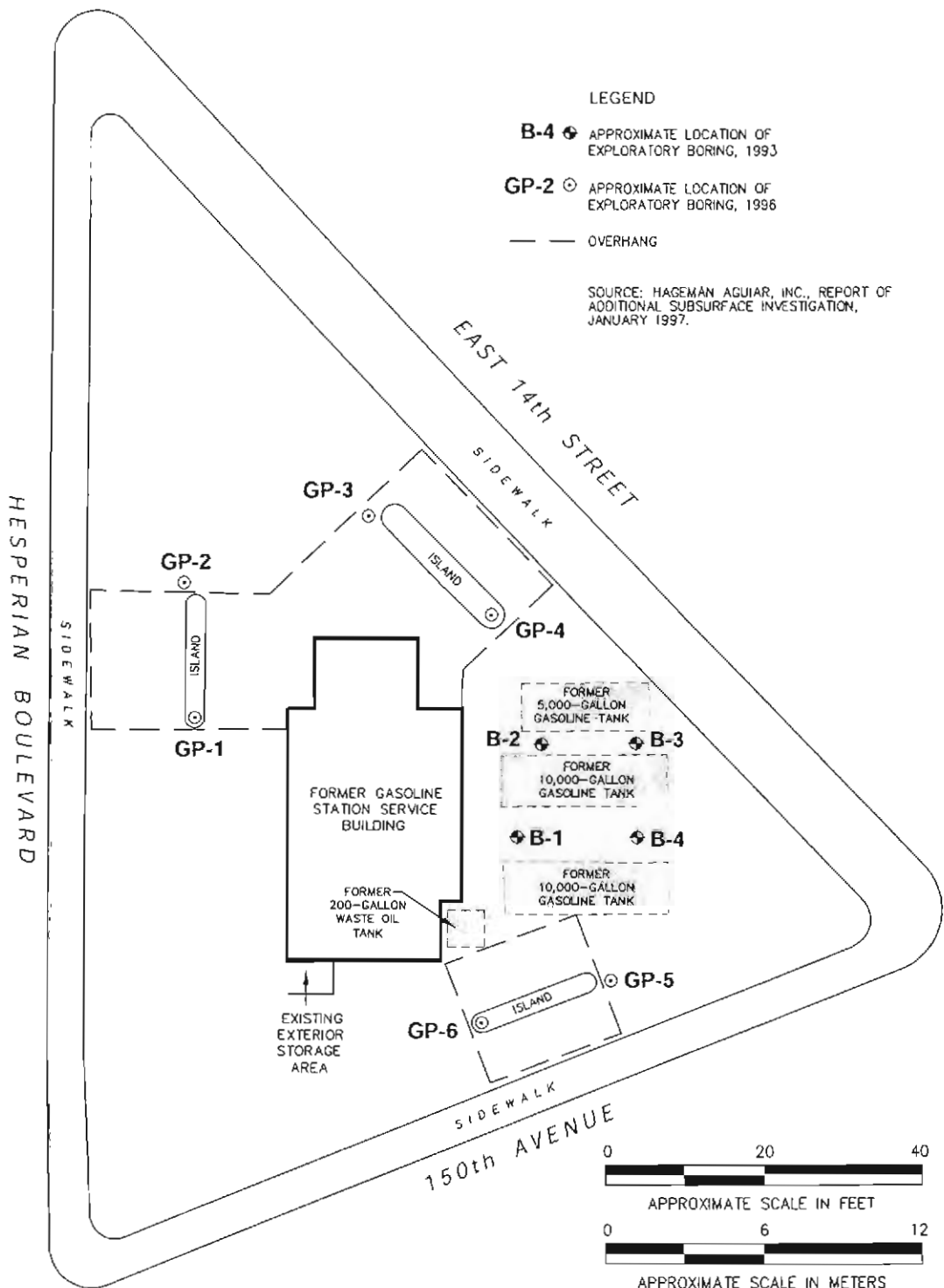
FIGURE
2

9/11/07 - AZ/UMG

LEGEND

- B-4  APPROXIMATE LOCATION OF EXPLORATORY BORING, 1993
- GP-2  APPROXIMATE LOCATION OF EXPLORATORY BORING, 1996
- — OVERHANG

SOURCE: HAGEMAN AGUIAR, INC., REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION, JANUARY 1997.



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

401007-A3.DWG



SITE PLAN
 QUALITY TUNE UP
 14901 E. 14th STREET
 SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE
401007001	9/2004

FIGURE
3

APPENDIX A
SITE PHOTOGRAPHS



Photograph No. 1: View of the site looking southwest across East 14th Street.



Photograph No. 2: View of storage area adjacent to the site building.



Photograph No. 3: View of the subject site looking north across 150th Avenue.



Photograph No. 4: View adjacent property situated north-northwest of the site, occupied by Flyers gasoline station (14880 East 14th Street).



Photograph No. 5: View of the adjacent property situated northeast of site, occupied by Henry's Hofbrau (14900 East 14th Street).



Photograph No. 6: View of the property situated northeast of site occupied by various retail businesses (14964-14972 East 14th Street).



Photograph No. 7: View of the 76 gasoline station located east of site, looking east across East 14th Street.



Photograph No. 8: View of La Bella Italia restaurant (15015 East 14th Street) located southeast of site, looking southwest.



Photograph No. 9: View vacant asphalt-paved property situated south of site, looking across Hesperian Boulevard.



Photograph No. 10: View of the Bank of the West multiple tenant building located on the west corner of East 14th Street and Hesperian Boulevard.

APPENDIX B
PERTINENT SITE INFORMATION



100'

34'

14901
OIL STA.

N. 49° 00' W
129.72

RANCHO
C. TRACT

19.41

41.2
22.9

N. 89° 58' E
92.67

J. O. 26' E
RANCHO
C. TRACT

145.37
65.30

85.74
1.58° 04' 20" W

43.11
R. 20

Boundary line, City of S.
Ord. No. 944 of 1945.

1475

HESPERIAN BOULEVARD
(TELEGRAPH ROAD)

150TH AVENUE

1496

140 2



EDR™ Environmental
Data Resources Inc

"Linking Technology with Tradition"

RECEIVED

JUN 30 2004

NINYO AND MOORE
OAKLAND OFFICE

Sanborn® Map Report

Ship to: Dawn Ritzman

Ninyo, Moore

1956 Webster Street

Suite 400

Oakland, CA 94612

Order Date: 6/25/2004

Completion Date: 6/28/2004

Inquiry #: 1220236.1s

P.O. #: Na

Site Name: 14901 East 14th Street

Address: 14901 East 14th Street

City/State: San Leandro, CA 94578

Customer Project:

1012696EDR

781-551-9222

Cross Streets:

Based on client-supplied information, fire insurance maps for the following years were identified

1957 - 1 - map

1963 - 1 - map

1968 - 1 - map

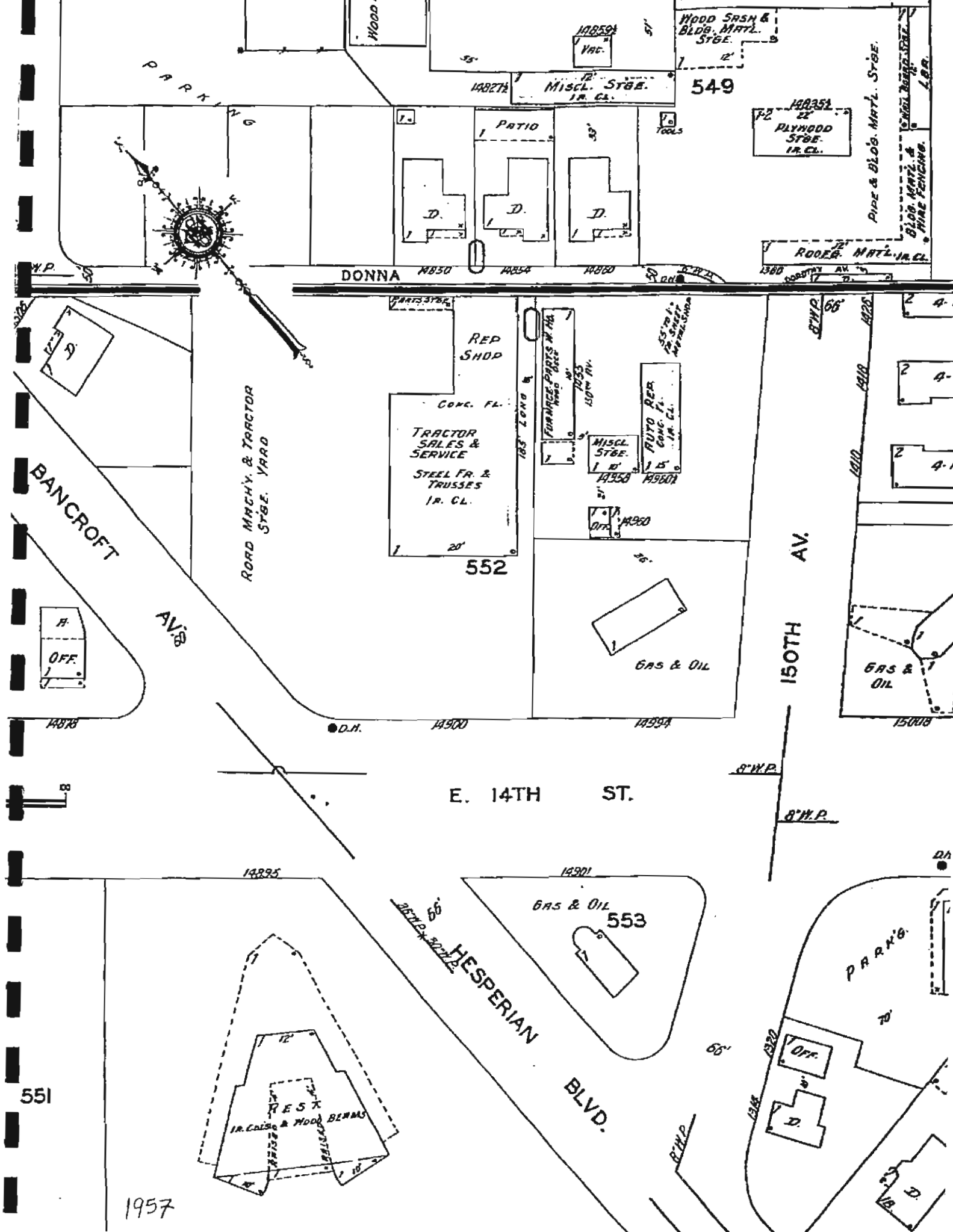
Total Maps: 3

Limited Permission to Photocopy

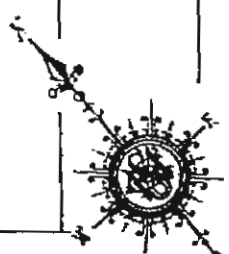
First Search Technology (the reseller) is not authorized to make any copies of the fire insurance maps accompanying this Report. As a condition of the reseller's client receiving limited permission from EDR, this Report must be delivered to such client in its entirety with the accompanying Sanborn Maps. The reseller's client is permitted to make up to THREE photocopies of this Sanborn Map Report and the accompanying Sanborn Maps, solely for the limited use of its customer. No one other than the reseller's client is authorized to make copies. Upon request made directly to an EDR Account Executive, such client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the reseller, its client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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PARKING



WOOD DR. G. H.

148594
VAC.

WOOD SASH & BLDG. MATL. STGE.

MISCL. STGE. 1st FL.

549

148351
PLYWOOD STGE. 1st FL.

PIPE & BLDG. MATL. STGE.

BLOB. MATL. & STAIN. BARGE. STGE. 1st FL. FINE FENCING. L.B.R.

ROOFS. MATL. 1st FL.

DONNA 14850 14854 14860

PARTS STGE.

REP SHOP

CONC. FL.

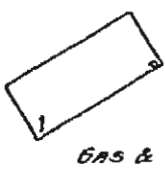
TRACTOR SALES & SERVICE
STEEL FR. & TRUSSES
1st FL.

552

FURNACE PARTS W/ H.A. HAND OPER. 1253 150' W. 150' W. 150' W.

MISCL. STGE. 1st FL. 14958

AUTO REPAIR CONC. FL. 1st FL. 14961



GAS & OIL

14900 14994

D.H.

E. 14TH ST.

8' W.P.

8' W.P.

14895

14901

GAS & OIL 553

HESPERIAN BLVD.

PARKING



OFF.

D.

65'

14820

1348



D.

BANCROFT AV.

ROAD MACH. & TRACTOR STGE. YARD

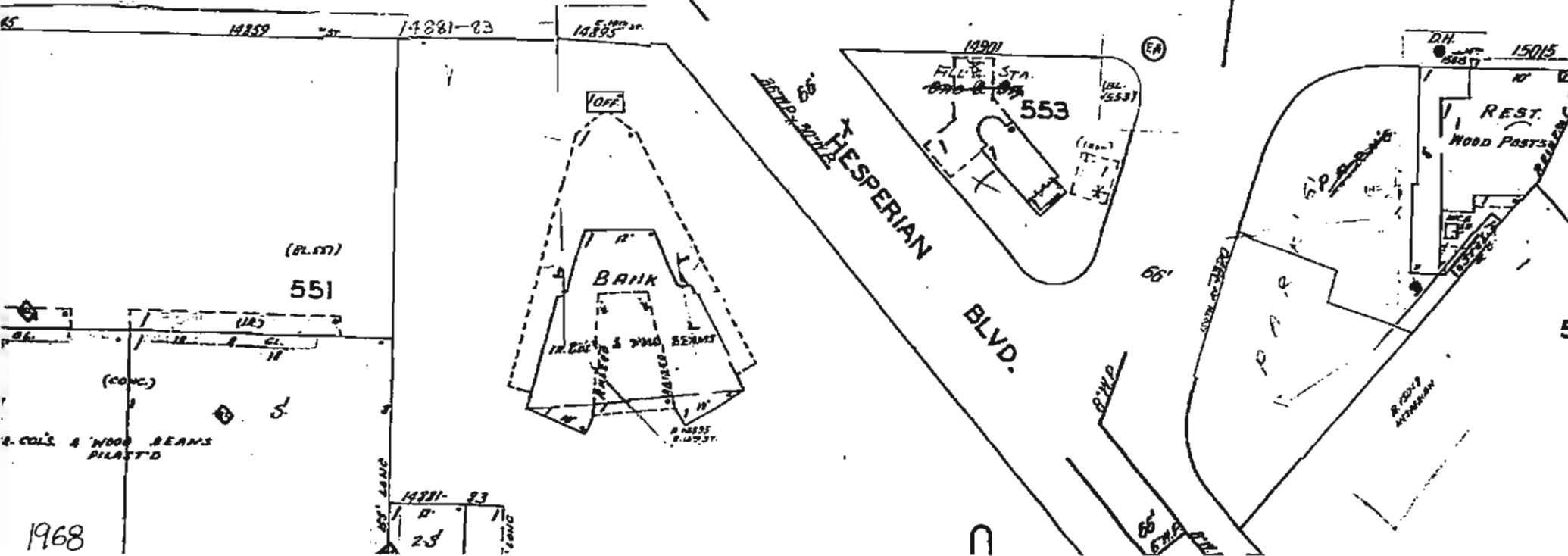
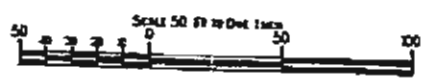
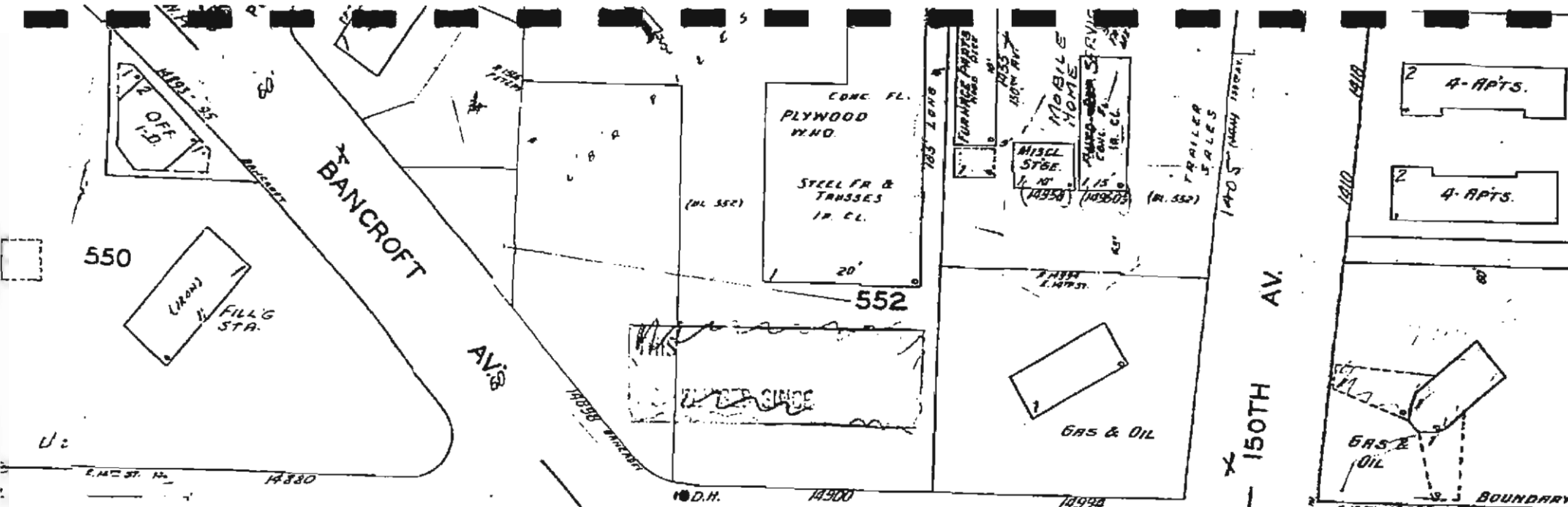


OFF.

14878

551

1957



1968

CONNECT ELECTRIC

Receipt

Number

No. 23256

Receipt

gas station

Tidewater Oil

connect gas meter

7/23/59

4902 E 14 St.

14901
City of San Leandro
Civic Center, 835 E. 14th Street
San Leandro, California 94577



415-638-4100

April 1, 1972

To: Service Station Owners and Operators

Subject: a) Trailer and truck rental
b) Self-service method of operation.

Gentlemen:

Service stations in San Leandro have been required to have conditional use approval in most locations since 1964, and as such the subject uses "a" and "b" above must have that approval as part of that approval.

Stations in existence prior to 1964 are presumed to have had a conditional use approval and the uses existing on that date may be continued.

Any change of operation or expansion after 1964 which included either of the above may constitute a major change and may require an additional application and approval of a new conditional use.

If your present operation includes either of the subject items, you are hereby directed to cease the operation immediately or submit information for application for an amendment to your conditional use or presumed conditional use or submit information satisfactory to this office that your operation may be a local non-consuming use or an accessory use.

Very truly yours,

Ernest L. Nelson
Plg. Reg. Supt.

ELN/ss
cc: Comm. D. v.
City Attorney

Jack D. Maister, Mayor
City Council: Herb W. Kay, Yuse Kawa, Kenneth Lippert,
Allan J. Nelson, Maria Rodriguez, Gregory J. Ramirez,
Anthony S. Sandoz, Wesley M. White, City Manager

PERMIT NO.

CITY OF SAN LEANDRO

DATE

1834

HEATING & VENTILATING PERMIT

7/24/59

JOB ADDRESS 14901 E 1st St BY CS
 OWNER Induswater Bldg NEW WORK
 HEATING CONTR. Grasby Pl ALTERATION
 BLDG. USED FOR airbase station REPLACEMENT

	B.T.U. NO.	FEE		NO.	FEE
FURNACE TYPE	Wall	✓	BOILERS		
REGISTERS			PANELS		
FLUES	1	1-	CONVECTORS		
CONVERSION-BURNERS			COM. HOODS		
VENTS - KITCHEN AND BATH			RANGES		
HOT WATER HEATERS			OTHERS		
FANS AND BLOWERS					
TOTAL FEE	<u>gasline cost</u>		TOTAL FEE	<u>called</u>	

ROUGH INSP.

FINAL INSP.

5- 7/22/59
14901 E 1st St

Inspection Procedure Regarding
UNDERGROUND TANK Installations
(ABOVE-GROUND PUMP)

First Inspection:

1. Tank or tanks will be inspected by the Fire Department before any back filling operations are started.
2. For the purpose of lifting and handling, "cat eyes" must be welded to tanks.
3. Inspection of condition of tanks:
 - a. Damage to tanks
 - b. Any scaling or damage to protective covering of tank
4. Back fill to be sand, firmly tamped, which shall extend one (1) foot beyond the tank in all directions.

Second Inspection:

1. Inspection of piping is required before covering. A notification shall be given the Fire Chief, who shall, himself, or through an authorized member of the department, inspect and give his approval or disapproval thereof.
2. Tank and piping to be given a hydrostatic test or a pressure test using a Mercury gauge. (Mercury gauge to be furnished by installer)

Date March 8, 1974

Name PHILLIP'S 66 GAS STATION

Location 14901 E. 14th Street @ 150th

Remarks in regard to this installation: (notes are also added to the plans received)

1. Full buoyancy of completely empty tanks should be calculated to see if anchorage or weight is needed to hold the tanks securely in place at the high-water table of this area.
2. Vent piping shall not terminate less than 3 feet measuring horizontally or vertically in any window or other building opening or header, and 18" above wall or highest part of building.
3. "NO SMOKING" - "STOP MOTOR" signs, of contrasting color, shall be located so that they are visible from either side of the island.
4. Where vehicular traffic over tank is expected, as a measure of safety, tanks are to be covered with reinforced concrete at least 6" in thickness which shall extend one foot beyond the outline of tanks in all directions.
5. We recommend one 15# CO₂ fire extinguisher, or equal, at island.
6. In order to expedite this installation, we request the representative of the company doing the work to notify the San Leandro Fire Department before starting the job and to go over the underground storage regulations.
7. Plumbing permit for tanks at Public Works Office.

INSTALLATION OF ONE (1) 8,000 GALLON GASOLINE
TANK TO BE INSTALLED BY PHILLIPS PETROLEUM
COMPANY, 7901 Oakport Street, Oakland, CA. 94621

Harold J. Hamilton, Fire Chief
by *[Signature]*

Stephen V. Mikinka, Captain
FIRE PREVENTION BUREAU
SAN LEANDRO FIRE DEPARTMENT

D+B Const
2634 Pacific Lane *SP*

file 14901 E 14th St.

copy: Applicant
Fire Dept
info cd.

REQUEST FOR ZONING APPROVAL

Name of firm: Car Lawyer is checking on a name. Date: June 14

Address for zoning request: East 14th and Heplerian on East 150th St.

Present address: Same - New

Name of responsible party: Michael Venecro Home phone: 530-6507 office phone: 271-1616

Previous use: (describe) Phillip's Old Chevrolet for Sale phone: Residential

Top of Overhilling - 303-573-6611 Ext 379

Proposed use: (describe in detail, including materials stored or manufactured, flammable liquids, etc.)

Instant tuning of cars. 1 electronic machine tools for tuning a car. (No major repairs) - Tuning only

Phillip's Old Chevrolet for Sale for all flammable situations - Charging underground tanks to be in flammable.

employees on main shift: 1 employ # parking spaces provided: ample

Type of sewage waste: probably 10:30 AM to 7 P.M. Plot Plan submitted: Attached

Note: Approval of this request does not permit occupancy of the building.
Any change of use requires a \$10 fee and a new certificate of occupancy.
Any alteration, partitions, electrical, mechanical or plumbing work requires permits and inspection prior to doing this work.

Michael J. Venecro
Signature of applicant
Signed By Jackie Venecro

TO BE COMPLETED BY CITY

Use zone: C-2 Fire Zone: 2 Structural Approval: OK
REQUIRES: Conditional Use: presumed Oro Loma Waste Approval: yes
Site Development: Signs City Waste Approval: no
Parking spaced adequately: 6 OK Business license required: yes
Fire Dept approval: _____ Health Dept. approval: no

less traffic
1555 hours - time up included in
Service station policy
65-3/4/75 pumps to be removed
tanks to be capped + secured per Fire Dept instructions
etc.
6/15/76 Ed Nelson
(date approved) Signature

14901 E 14 ST.

PERMIT

COUNTY OF ALAMEDA

17339

BUILDING INSPECTION DEPARTMENT

APPLICATION FOR BUILDING PERMIT

TYPE III BUILDING ()

Application is hereby made for approval of the plans and specifications and for a permit for the construction or alteration of a building as follows:

Service Station Group F
Use of Building

Location Lot Block Tract Zone

E. 14th & Hesperian Blvd
San Leandro

Estimated Value \$ 10,000.
Includes all material and labor for finished building

Owner Tide Water Assoc. Oil Co.

Address 79 New Montgomery St.
San Fran.

Architect No.

Engineer No.

Builder Stolbe Inc. Cont. No.

Address 8951 San Leandro St Oakland

For Group J or minor buildings where no plans required, fill in this space.

FOUNDATION			
MATERIAL	EXTERIOR	PIERS	
TOP WIDTH			
BOTTOM WIDTH			
DEPTH			
SUPERSTRUCTURE			
	SIZE	SPACING	SPAN
R. W. SILL			
GIRDERS			
JOISTS FLOOR			
JOISTS CEILING			
STUDS. EXT.			
STUDS. INT.			
RAFTERS			
COVERING			
EXTERIOR WALLS			
INTERIOR WALLS			
ROOF			

(I) (We) hereby agree to save, indemnify, and keep harmless the County of Alameda against all liabilities, judgments, costs and expenses which may in any wise accrue against said County in consequence of the granting of this permit, or from the use or occupancy of any sidewalk, street, or subsidewalk space by virtue thereof, and will in all things strictly comply with the conditions of this permit and the ordinances and/or rules of any governmental agency involved.

E. J. Espinosa
Signature of Owner, Agent or Builder

Address 67 New Montgomery St. S.F.

Date 9-12-50

Telephone Number EX 2-4800 LOCAL 357

FOR DEPARTMENT USE ONLY

Date Issued 9-12-50 Permit Number 17339

Examined by W.B.R. Receipt Number

Permit Fee \$ 22.00 Remarks: Includes demolition of existing buildings.

Checking Fee

Total Fee \$ 22.00

REQUEST FOR INSPECTION

Book No. 17339

Date Requested 10-11-50

Location 150th ave & E. 19th

Name Assoc - Selter

Ready for Inspection 10-13-50 AM

903 ton 13 10-13-50 PM

- | | | | |
|----------------------|--------------------------|------------------------|--------------------------|
| 1. Foundation | <input type="checkbox"/> | 6. Electrical Fixtures | <input type="checkbox"/> |
| 2. Frame | <input type="checkbox"/> | 7. Plumbing (Rough) | <input type="checkbox"/> |
| 3. Exterior Work | <input type="checkbox"/> | 8. Plumbing (Finished) | <input type="checkbox"/> |
| 4. Interior Work | <input type="checkbox"/> | 9. Septic Tank | <input type="checkbox"/> |
| 5. Electrical Wiring | <input type="checkbox"/> | 10. Final | <input type="checkbox"/> |

#662078



PHILLIPS PETROLEUM COMPANY

One Bush Street
San Francisco, California

July 26, 1966

San Leandro Building Department
835 - 14th Street
San Leandro, California

Attention: Bob Van Etten

Gentlemen:

This will confirm our recent telephone conversation, in which we advised you that the Phillips 66 shield will be smaller in area and equal to or lower in height than the existing Flying A signs at the following service stations:

- SS #101, 15201 Washington & Fargo Aves., San Leandro
- SS #166, 14901 East 14th St. & Hesperian Blvd., San Leandro
- SS #1174, 1401-136th Ave. & East 14th St., San Leandro

We have reviewed the construction drawings of the foundations of the existing Flying A signs and find them to be sufficient to support the proposed Phillips 66 shield.

If you require any further information, please advise.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

J. W. Medocks
J. W. Medocks
Senior Construction Engineer

JWM:cmx

Electrical Products Corp.

Contractor

Rough

Fixtures

No 16194

Sign
Pd.

Date

6/2/55

Address

14901 East 14th St.

Receipt

Date Paid

Date Sailed

Final Exam. O.K.

Date

R.O. E. & P. House

Date

Rough Electric

Date

Under Concrete

Date

Associated Oil Station

CITY OF SAN LEANDRO
835 E. 14th. STREET
SAN LEANDRO, CA 94577
577-3404

Name of firm: Quality Tune Up, Inc. Date: 9/23/81
Address for zoning request: 14901 East 14th Street
Present address: Business mailing address 2142 The Alameda San Jose, CA 95126
Name of responsible party: Kenneth W. Davis phone: 408, 985-8863
Previous use: (describe): _____ phone: _____

Proposed use: (describe in detail, including materials stored or manufactured,
flammable liquids, etc.)
Automotive repair

employees on main shift: Male: 4 Female: 0 # parking places provided: 10
#/Restrooms: 2
Type of sewage waste: _____ Plot Plan submitted: _____

Notes: Approval of this request does not permit occupancy of the building.

Any change of use requires a fee and a new certificate of occupancy.

Any alteration, partitions, electrical, mechanical or plumbing work or signs requires permits and inspection prior to doing this work.

[Signature] President
Signature of applicant
QUALITY TUNE UP, INC.

TO BE COMPLETED BY CITY

Use zone: B-2 Fire Zone: 2 Structural Approval: _____
REQUIRES: Conditional Use: Presumed Oro Loma Waste Approval: _____
Site Development: _____ City Waste Approval: _____
Parking spaced adequately: _____ Business license required: YES
Fire Dept approval: [Signature] Health Dept. approval: _____

ss-3/4/75

[Signature]

RECEIVED
SAN LEANDRO

SEP 28 1981

CODE
COMPLIANCE

9/28/81 [Signature]
(date approved) Signature

APPENDIX C
PREVIOUS SITE INVESTIGATIONS



HAGEMAN AGUIAR, INC.

Underground Contamination Investigations, Groundwater Consultants, Environmental Engineering

FIRE DEPARTMENT
NOV 14 1993
CITY OF SAN LEANDRO

REPORT OF
LIMITED SOIL INVESTIGATION

QUALITY TUNE-UP
14901 East 14th Street
San Leandro, CA

October 26, 1993

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 Vicinity Description and Hydrogeologic Setting 4

 Site Description 4

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 Waste Generation 7

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 Laboratory Analysis 8

 Analytical Results: Soil 8

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VI. CONCLUSIONS 13

ATTACHMENT A -- Boring Logs.

ATTACHMENT B -- Analytical Results: Soil.

I. INTRODUCTION

The site location is the Quality Tune-up facility at 14901 East 14th Street in San Leandro, California. The location of the site is shown in Figure 1. In conjunction with a previous service station operation, the site has historically operated three underground Gasoline storage tanks for a number of years. The tanks have been out of use for more than 10 years.

The layout of the site is shown in Figure 2 (site map). The scope of work involved the collection of soil samples for laboratory analysis at four locations in the immediate vicinity of the existing underground storage tanks.

FIGURE 1.
Site Location Map.



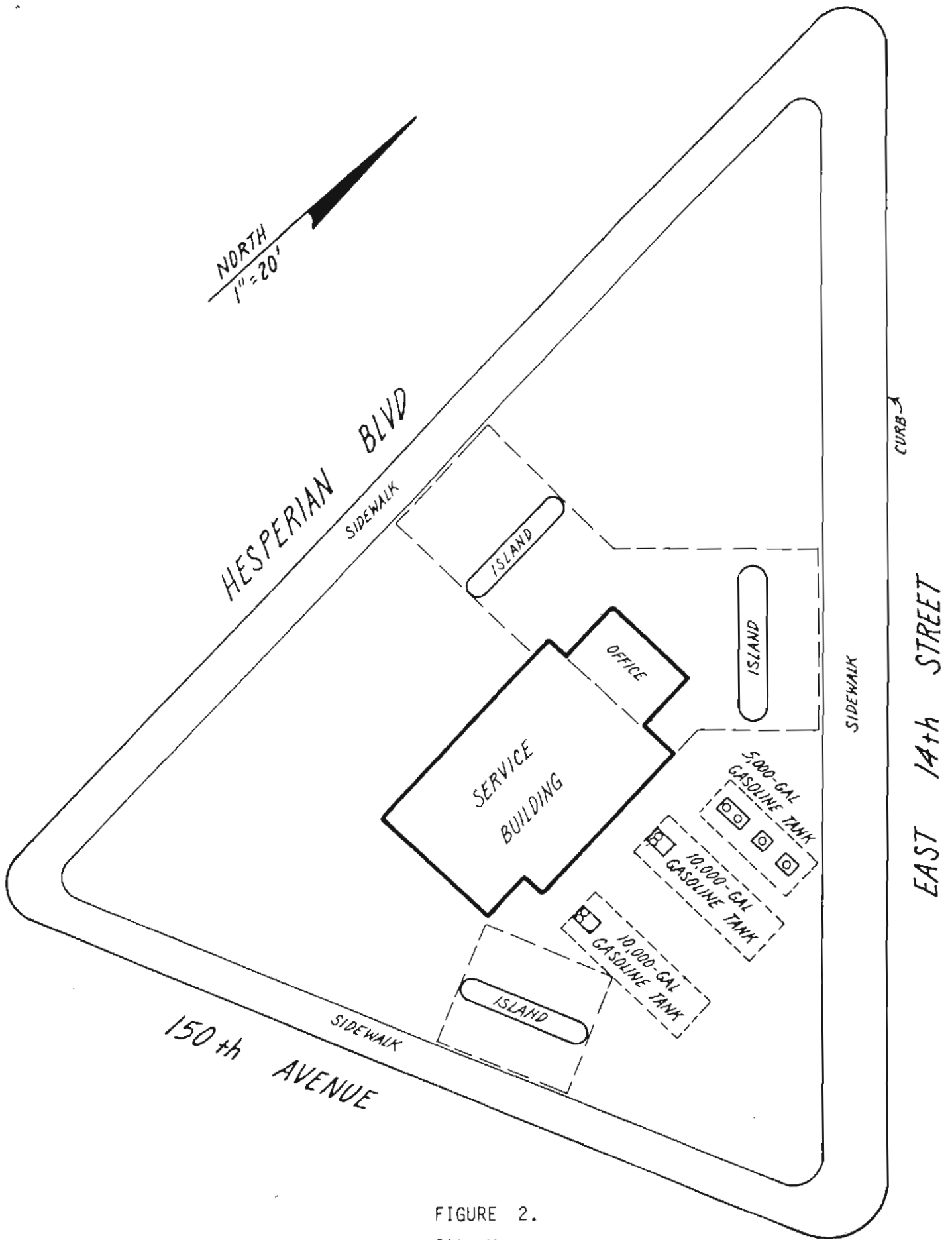


FIGURE 2.
Site Map.

II. SITE DESCRIPTION

Vicinity Description and Hydrogeologic Setting

The location of the site is shown on the site location map (Figure 1). The soils beneath the site consist of Quaternary Alluvium overlying uplifted Cretaceous Marine deposits that comprise the surrounding San Leandro Hills (Geologic Map of California, San Francisco Sheet, State of California Division of Mines and Geology, 1980). During the soil borings, the near-surface soils beneath the site were found to consist primarily of clay.

Based upon the surface topography, as well as the various hydrologic features in the vicinity of the site, the general regional shallow groundwater can be expected to flow from the San Leandro Hills to the north and to the east of the site (areas of groundwater recharge) and move toward San Lorenzo Creek to the south of the site or toward San Francisco Bay to the southwest (areas of discharge).

Site Description

A map of the site is shown in Figure 2. This map shows the layout of the facility, along with the locations of the existing underground storage tanks. At the present time, the entire site is covered by asphalt or concrete pavement.

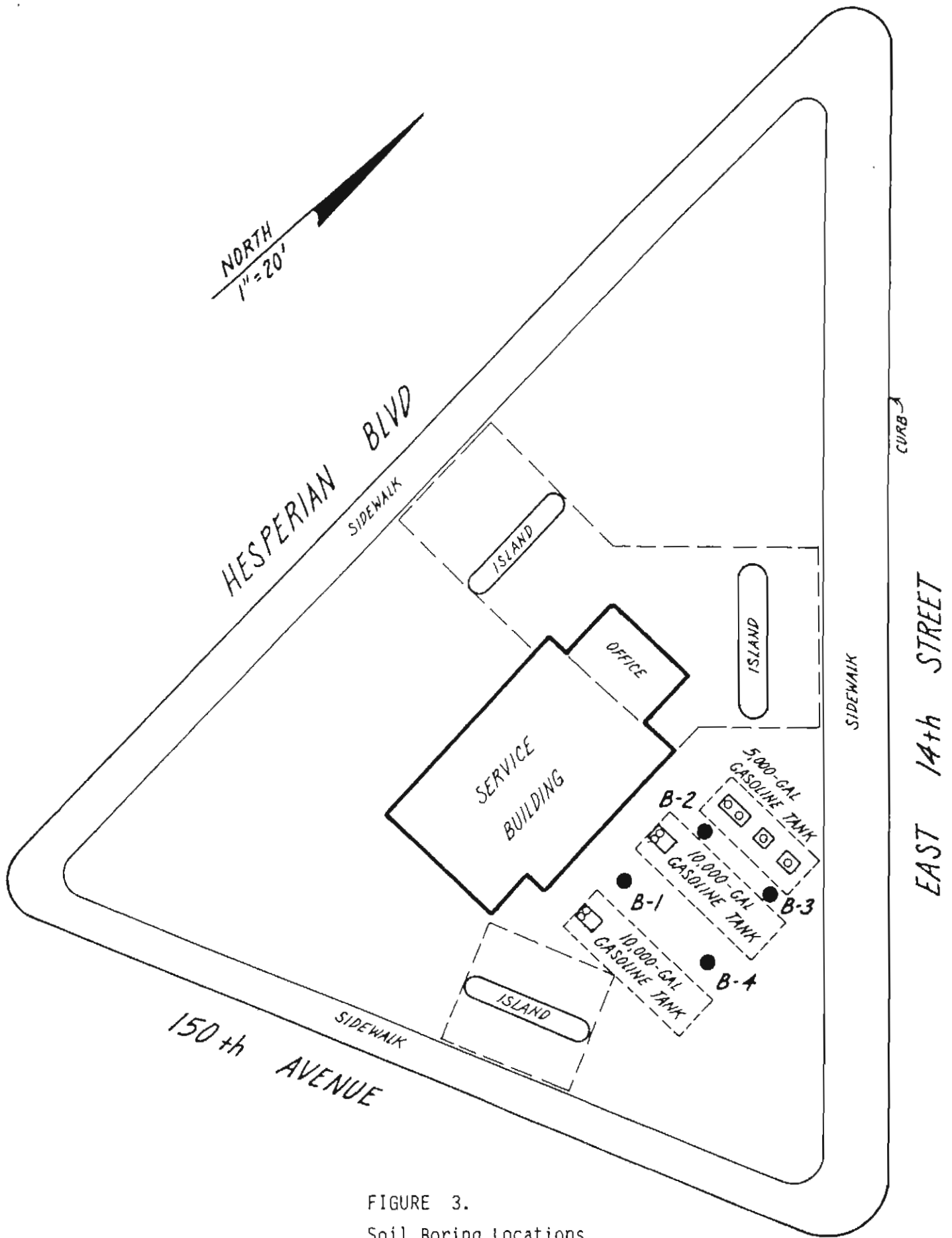


FIGURE 3.
Soil Boring Locations.

Borehole Sealing

Following the completion of the soil sampling operation, each boring was filled with neat cement grout.

Decontamination

Prior to each soil boring, all drilling equipment, including augers, drill stem, and split barrel samplers, was steam-cleaned.

Waste Generation

All drill cuttings were stockpiled on-site and covered with plastic sheeting, until the results of laboratory analyses were obtained. The results of composite sampling of the drill cuttings are included in Attachment B. As shown by these results, it would appear that this soil would be acceptable at this time for disposal as a special waste at an appropriate Class III landfill. The disposal of the drill cuttings is the responsibility of the property owner (waste generator), and is beyond the scope of work as described in this report.

IV. ANALYTICAL RESULTS

Laboratory Analysis

All analyses were conducted by a California State DOHS certified laboratory in accordance with EPA recommended procedures.

All soil samples were analyzed for 1) total petroleum hydrocarbons as Gasoline (EPA method 8015), and 2) Benzene, Toluene, Ethylbenzene, and Total Xylenes (EPA method 8020).

Analytical Results: Soil

Table 1 presents the results of the laboratory analysis of the soil samples collected during the soil boring operation. A copy of the laboratory certificate for the soil sample analyses is included as Attachment B.

As shown in Table 1, there appears to be very low residual Gasoline concentrations in the soil at the 10-foot depth in the vicinity of boring B-1, and somewhat elevated Gasoline concentrations at the 15-foot depth. Concentrations of Gasoline at these two depths were found to be 4.5 mg/kg (ppm) and 180 mg/kg (ppm), respectively.

Also shown in Table 1, there appears to be very low residual Benzene concentrations in the soil at the 10-foot depth in the vicinity of boring B-1, and somewhat elevated Benzene concentrations at the 15-foot depth. Concentrations of Benzene at these two depths were found to be 5.8 μ g/kg (ppb) and 230 μ g/kg (ppb), respectively.

TABLE 1.

Soil Sampling Results.

Boring	Depth (feet)	TPH as Gasoline (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl- benzene (ug/kg)	Total Xylenes (ug/kg)
B-1	05	ND	ND	ND	ND	ND
	10	4.5	5.8	8.1	14	35
	15	180	230	320	560	1,400
B-2	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	31	35	49	84	210
B-3	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
B-4	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	58	75	97	170	420
Detection Limit		1.0	5.0	5.0	5.0	5.0

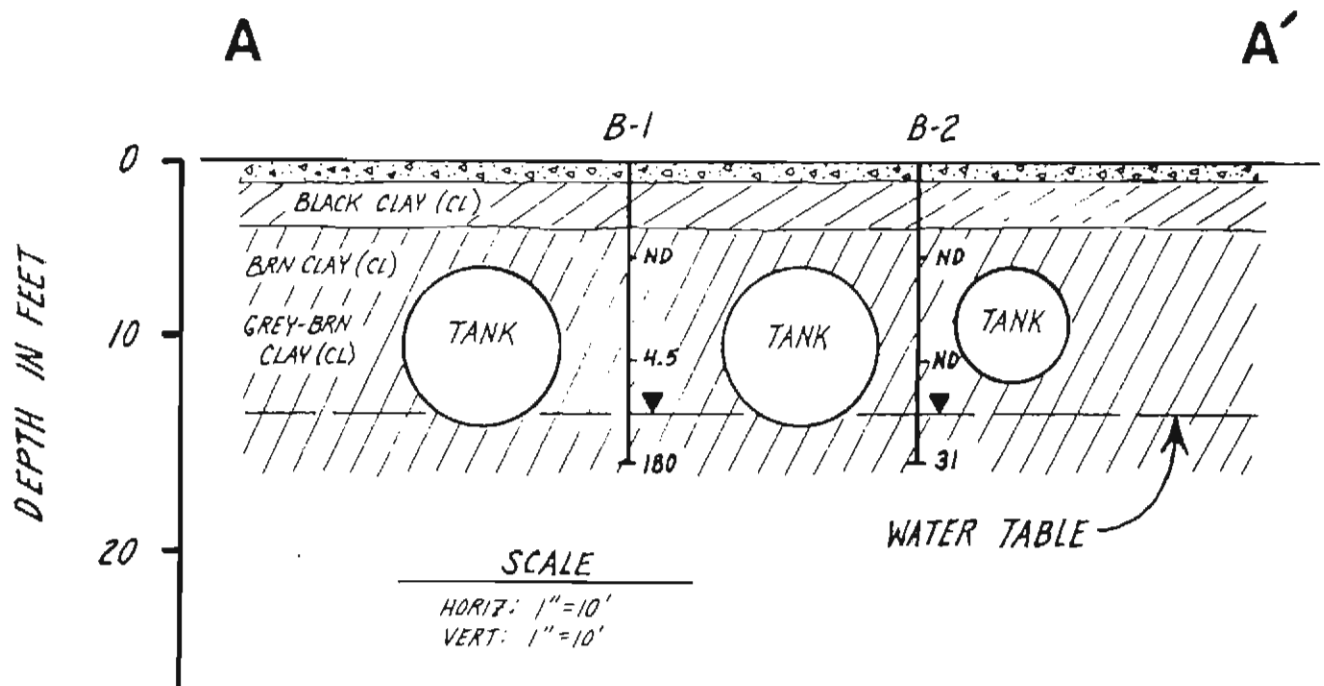
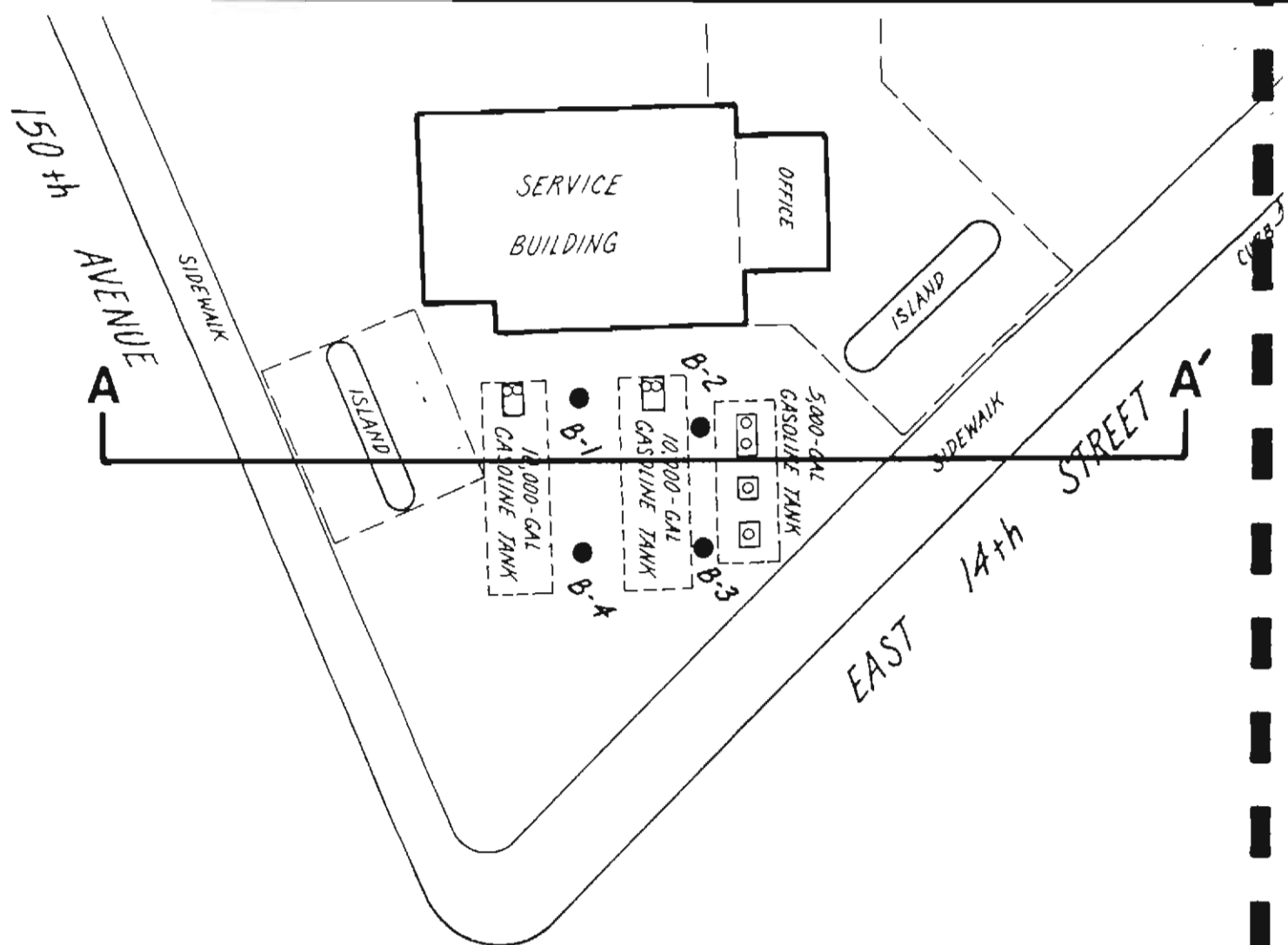
V. DATA ANALYSIS

The location of geologic cross-section A-A' is shown in Figure 4. This geologic cross-section was constructed from the data contained in the boring logs shown in Attachment A. As shown by this geologic cross-section, the site is underlain by fine-grained alluvial deposits, the major portion of which appear to consist of clay.

As shown in Figure 4, water level measurements in each of the open bore-holes indicated that the shallow groundwater is present beneath the site at a depth of approximately 13 feet below the ground surface. The location of the shallow groundwater table approximately coincides with the locations of the bottoms of the two 10,000-gal underground storage tanks.

Gasoline concentrations in mg/kg (ppm) in the soil are indicated on Figure 4 for borings B-1 and B-2. As shown by these concentrations, low-level residual Gasoline contamination appears to coincide with the location of the water table interface beneath the site. All of the near-surface soils encountered in the borings appear to be unaffected by any subsurface petroleum contamination. Seasonal variations in the water table elevation is the likely reason for the presence of elevated Gasoline concentrations in the soils beneath the present water table (at a depth of 15 feet).

Based upon analysis of the data generated from this limited soil investigation, the low-level residual Gasoline concentrations found in the vicinity of the existing underground storage tanks may be due to one or more of the following: 1) tank leakage and/or overfill at one or more of



Gasoline concentrations indicated in mg/kg (ppm).

FIGURE 4.
Geologic Cross-section.

the existing underground storage tank locations, 2) migration of subsurface contamination from another on-site source, such as leakage and/or spillage along piping runs or at one or more of the existing dispenser islands, or 3) migration of subsurface contamination in the shallow groundwater from an off-site source.

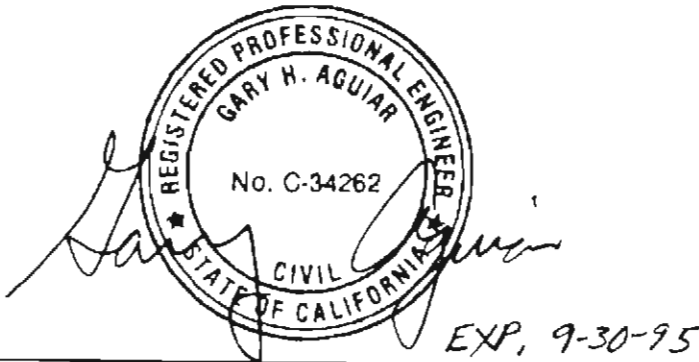
VI. CONCLUSIONS

1. Shallow groundwater is present beneath the site at a depth of approximately 13 feet below the ground surface.
2. The site is underlain by fine-grained alluvial deposits, the major portion of which appear to consist of clay.
3. The location of the shallow groundwater table approximately coincides with the locations of the bottoms of the two 10,000-gal underground storage tanks.
4. Low level residual Gasoline concentrations were detected in the vicinity of the existing underground storage tanks at concentrations of up to 180 mg/kg (ppm).
5. Low level residual Benzene concentrations were detected in the vicinity of the existing underground storage tanks at concentrations of up to 230 μ g/kg (ppb).
6. The low-level residual Gasoline contamination in the vicinity of the existing underground storage tanks appears to coincide with the location of the water table interface beneath the site. All of the near-surface soils encountered in the borings appear to be unaffected by any subsurface petroleum contamination.
7. Based upon analysis of the data generated from this limited soil investigation, the low-level residual Gasoline concentrations found in the vicinity of the existing underground storage tanks may be due to one or more of the following: 1) tank leakage and/or overflow at one or more of the existing underground storage tank

locations, 2) migration of subsurface contamination from another on-site source, such as leakage and/or spillage along piping runs or at one or more of the three existing dispenser islands, or 3) migration of subsurface contamination in the shallow groundwater from an off-site source.

REPORT OF LIMITED SOIL INVESTIGATION
QUALITY TUNE-UP
14901 East 14th Street, San Leandro, CA.

October 26, 1993



Gary Aguiar
Principal Engineer
RCE 34262

Gerard F. Aarons
Gerard F. Aarons
Staff Geologist

ATTACHMENT A

BORING LOGS

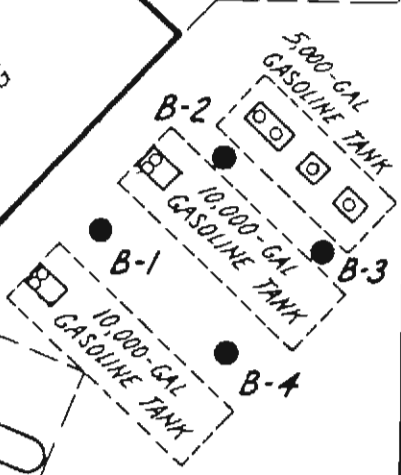
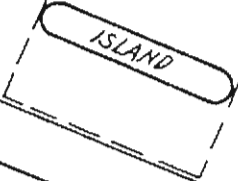
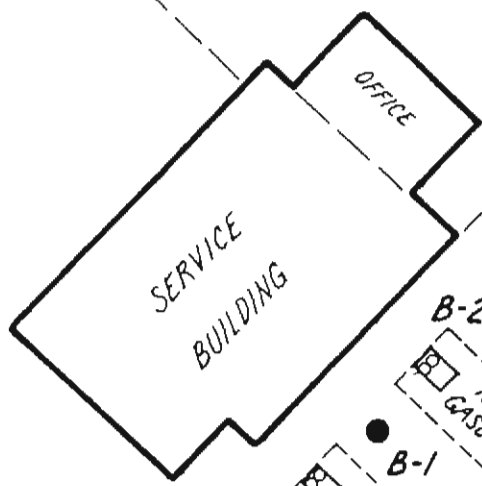
NORTH
1" = 20'

HESPERIAN BLVD
SIDEWALK

CURB

EAST 14th STREET

150th AVENUE
SIDEWALK

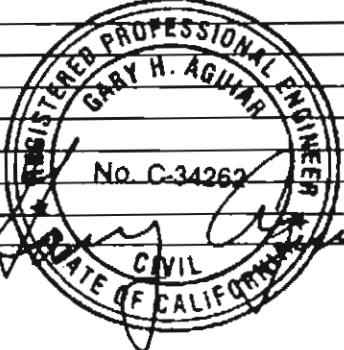


SIDEWALK

LOCATION OF BORING	PROJECT NAME & LOCATION	
	14901 EAST 14th STREET, SAN LEANDRO	
SEE SITE MAP	DRILLING METHOD:	BORING
	6" HOLLOW STEM AUGER	B-1
	SAMPLING METHOD:	SHT
	2" SPLIT BARREL SAMPLER WITH BRASS LINERS	1 of 1
	WATER LEVEL	DRILLING
	13.2'	START TIME
	0930	0815
	DATE	FINISH TIME
	10/5/93	0840
	CASING DEPTH	DATE
		10/5/93
	SCREEN	DATE
		10/5/93

SCALE: 1" =

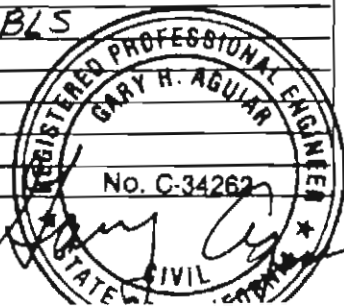
SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		ASPHALT
					1		RED-BRN CLAYEY GRAVEL (BASE ROCK), LOOSE, ANG & SUB-ANG TO 2"
					2		BLACK CLAY (CL), SLIGHTLY MOIST (NO ODOR)
					3		BRN SILTY CLAY (CL), SLIGHTLY MOIST, SOFT.
2" SPLIT	18	8	4/5/5	0825	5		(SLIGHT PETROLEUM ODOR)
					6		PID = 250 PPM
					7		
					8		
2" SPLIT	18	14	4/5/11	0832	10		GREY-BRN CLAY (CL), MOIST, GREY COLOR WITH RED-BRN STREAKS, LOW TO MOD. PLASTICITY.
					11		(PETROLEUM ODOR)
					12		
					13		
2" SPLIT	18	18	6/6/8	0840	15		SAME, SATURATED, LOW TO MOD. PLASTICITY, VARIEGATED LT GREY & BRN COLOR, SLIGHTLY STICKY, (SLIGHT PETROLEUM ODOR)
					16		PID = 95 PPM
					17		TOTAL DEPTH = 15 1/2' BLS
					18		
					19		
					20		



LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION		14901 EAST 14th, SAN LEANDRO	
	DRILLING METHOD:		BORING	
	6" HOLLOW STEM AUGERS		B-2	
	SAMPLING METHOD:		SHT	
	2" SPLIT BARREL SAMPLER WITH BRASS LINERS		1 of 1	
	WATER LEVEL		13.2	
	TIME		1030	
	DATE		10/15/93	
CASING DEPTH			SCREEN	
		START TIME	FINISH TIME	
		0900	0930	
		DATE	DATE	
		10/15/93	10/15/93	

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		ASPHALT
					1		GREY SAND & GRAVEL (BASEROCK), DRY, LOOSE, ANG + SUB-ANGULAR TO 1"
					2		BLACK CLAY (CL), SLIGHTLY MOIST, MODERATE PLASTICITY, (NO ODOR)
					3		
					4		
2" SPLIT	18	18	6/7/10	0900	5		BRN SILTY CLAY (CL), SLIGHTLY MOIST, SLIGHTLY CRUMBLY, MOD. % VERY FINE SAND. (NO ODOR)
					6		
					7		
					8		
					9		
2" SPLIT	18	14	5/5/7	0915	10		GREY-BRN CLAY (CL), SLIGHTLY MOIST, MODERATELY SILTY, LOW TO MOD. PLASTICITY, OCCASIONAL BLACK STREAKS THROUGHOUT. (NO ODOR) PID = 123 PPM
					11		
					12		
					13		
					14		
2" SPLIT	18	18	5/6/7	0925	15		SAME, SATURATED, MODERATE PLASTICITY, SLIGHTLY SILTY, VARIEGATED LT GREY + BRN (SLIGHT PETROLEUM ODOR) PID = 140 PPM
					16		
					17		
					18		
					19		
					20		TOTAL DEPTH = 15 1/2' BLS



LOCATION OF BORING

SEE SITE MAP

PROJECT NAME & LOCATION

14901 EAST 14th STREET, SAN LEANDRO

DRILLING METHOD:

6" HOLLOW STEM AUGER

BORING

B-3

SAMPLING METHOD:

2" SPLIT BARREL SAMPLER
WITH BRASS LINERS

SHT

1 of 1

DRILLING

START

FINISH

WATER LEVEL 13.1'

TIME 1100

DATE 10/15/93

TIME

0930

DATE

10/15/93

CASING DEPTH

SCREEN

DATE

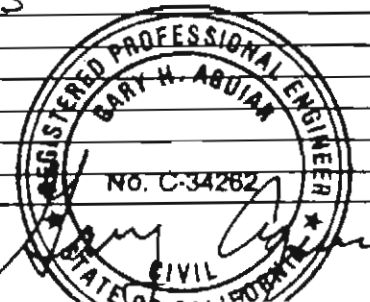
10/15/93

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		ASPHALT
					1		GREY SAND & GRAVEL (BASEROCK)
					2		BLACK CLAY (CL), NEARLY DRY, MODERATE PLASTICITY, SLIGHTLY SILTY, OCCASIONAL FINE SAND. (NO ODOR)
					3		
					4		BRN CLAYEY SAND (SC), SLIGHTLY MOIST, SLIGHT TO MOD. CLAYEY, SAND FINE TO MEDIUM GRAIN. (NO ODOR)
2" SPLIT	18	11	3/7/10	0950	5		
					6		
					7		
					8		GREY-BRN CLAY (CL), SLIGHTLY MOIST, SLIGHTLY CRUMBLY, MOD. SILTY, LOW TO MOD. PLASTICITY, OCCASIONAL THIN BLACK STREAKS THROUGHOUT. (NO ODOR)
2" SPLIT	18	12	3/5/7	1000	10		
					11		
					12		
					13		
					14		
2" SPLIT	18	18	5/7/11	1005	15		SAME, SATURATED, MOD. STIFF, MODERATE PLASTICITY, VARIEGATED LT GREY & BRN COLOR. (SLIGHT PETROLEUM ODOR)
					16		
					17		
					18		
					19		
					20		

TOTAL DEPTH = 15 1/2' BLS

PID = 150 PPM



HAGEMAN - AGUIAR, INC.

LOCATION OF BORING

SEE SITE MAP

PROJECT NAME & LOCATION

14901 EAST 14th STREET, SAN LEANDRO

DRILLING METHOD:

6" HOLLOW STEM AUGER

BORING

B-4

SAMPLING METHOD:

2" SPLIT BARREL SAMPLER WITH BRASS LINERS

SHT

1 of 1

DRILLING

WATER LEVEL 13'

TIME 1045

DATE 10/15/93

CASING DEPTH

SCREEN

START

TIME 1020

DATE 10/15/93

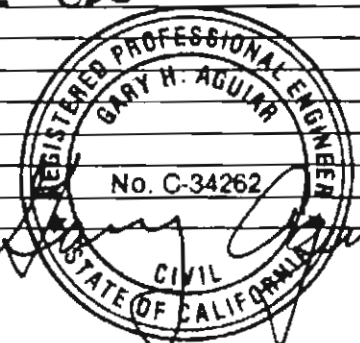
FINISH

TIME 1045

DATE 10/15/93

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		ASPHALT
					1		BRN SAND & GRAVEL (BASEROCK), ANGULAR, GRADED 1/8" TO 1/2"
					2		
					3		BLACK CLAY (CL), SLIGHTLY MOIST, MODERATE PLASTICITY, (NO ODOR)
					4		
2" SPLIT	18	10	5/8/8	1030	5		BRN CLAYEY SAND (SC), NEARLY DRY, SLIGHTLY STIFF, MOD. CLAYEY, SAND FINE GRAIN.
					6		(NO ODOR)
					7		
					8		
2" SPLIT	18	14	4/4/5	1040	10		GREY BRN CLAY (CL), SLIGHTLY MOIST, SOFT, VARIEGATED LT GREY & BRN COLOR, OCCASIONAL THIN BLACK/RED-BRN STREAKS THROUGHOUT.
					11		(NO ODOR) PID = 60 PPM
					12		
					13		
					14		SAME, SATURATED, SLIGHTLY STIFF, LOW TO MOD. PLASTICITY, VARIEGATED LT GREY & BRN COLOR.
2" SPLIT	18	15	5/7/10	1045	15		(SL. PETROLEUM ODOR)
					16		
					17		TOTAL DEPTH = 15 1/2' BLS
					18		
					19		
					20		



HAGEMAN - AGUIAR, INC.

ATTACHMENT B

ANALYTICAL RESULTS



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

October 19, 1993

PEL # 9310054

HAGEMAN - AGUIAR, INC.

Attn: Jeffrey Roth

Re: Thirteen soil samples for Gasoline/BTEX analysis.

Project name: Quality Tune-Up

Project location: 14901 East 14th St., - San Leandro, CA.

Date sampled: Oct 15, 1993

Date submitted: Oct 18, 1993

Date extracted: Oct 18-19, 1993

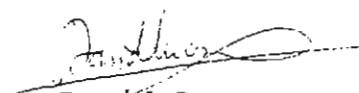
Date analyzed: Oct 18-19, 1993

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
B-1-5'	N.D.	N.D.	N.D.	N.D.	N.D.
B-1-10'	4.5	5.8	8.1	14	35
B-1-15'	180	230	320	560	1400
B-2-5'	N.D.	N.D.	N.D.	N.D.	N.D.
B-2-10'	N.D.	N.D.	N.D.	N.D.	N.D.
B-2-15'	31	35	49	84	210
B-3-5'	N.D.	N.D.	N.D.	N.D.	N.D.
B-3-10'	N.D.	N.D.	N.D.	N.D.	N.D.
B-3-15'	N.D.	N.D.	N.D.	N.D.	N.D.
B-4-5'	N.D.	N.D.	N.D.	N.D.	N.D.
B-4-10'	N.D.	N.D.	N.D.	N.D.	N.D.
B-4-15'	58	75	97	170	420
SP1-SP4*	N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spiked	N.D.	N.D.	N.D.	N.D.	N.D.
Recovery Duplicate	84.6%	81.7%	85.2%	82.7%	93.6%
Spiked Recovery	91.5%	90.7%	93.4%	91.8%	98.0%
Detection limit	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030/ 8015	8020	8020	8020	8020

DRILL CUTTINGS

*Composites soil sample.


 David Duong
 Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

October 18, 1993

PEL # 9310054

HAGEMAN - AGUIAR, INC.

Attn: Jeffrey Roth

Re: One composited soil sample for RCI analysis.

Project name: Quality Tune-Up

Project location: 14901 East 14th St., - San Leandro, CA.

Date sampled: Oct 15, 1993

Date submitted: Oct 18, 1993

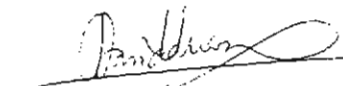
Date extracted: Oct 18, 1993

Date analyzed: Oct 18, 1993

RESULTS:

SAMPLE I.D.	REACTIVITY	CORROSIVITY	IGNITABILITY
SP1-SP4	NO	pH 6.6	NO
Blank	NO	pH 7.0	NO
Method of Analysis	Title 22, CCR 66261.23	Title 22, CCR 66261.22	Title 22, CCR 66261.21

DRILL CUTTINGS


 David Duong
 Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

October 19, 1993

PEL # 9310054

HAGEMAN - AGUIAR, INC.

Attn: Gary Aguiar

Re: One composited soil sample for total Lead analysis.

Project name: Quality Tune-Up

Project location: 14901 East 14th St., - San Leandro, CA.

Date sampled: Oct 15, 1993

Date submitted: Oct 18, 1993

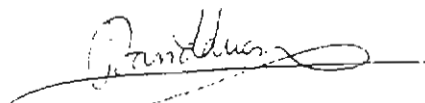
Date extracted: Oct 18-19, 1993

Date analyzed: Oct 18-19, 1993

RESULTS:

SAMPLE I.D.	Lead (mg/Kg)
SP1-SP4	13
Blank	N.D.
Detection limit	1.0
Method of Analysis	7420

DRILL CUTTINGS


David Duong
Laboratory Director

CHAIN OF CUSTODY RECORD

PROJECT NAME AND ADDRESS:					SAMPLER: (Signature)			ANALYSIS REQUESTED						
QUALITY TUNE-UP 14901 EAST 14th ST. SAN LEANDRO, CA					HAGEMAN - AGUIAR, INC. 3732 Mt. Diablo Blvd., Suite 372 Lafayette, CA 94549 (415)284-1661 (415)284-1664 (FAX)			TPH-GAS BTEX RCI TOTAL LEAD						
CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION								REMARKS	
B-1-5'	10-15-93	0825	X		BORING B-1 @ 5'			X	X					
B-1-10'	}	0832	X		" " "			X	X					
B-1-15'		0840	X		" " "			X	X					
B-2-5'		0900	X		BORING B-2 @ 5'			X	X					
B-2-10'	}	0915	X		" " "			X	X					
B-2-15'		0925	X		" " "			X	X					
B-3-5'		0950	X		BORING B-3 @ 5'			X	X					
B-3-10'	}	1000	X		" " "			X	X					
B-3-15'		1005	X		" " "			X	X					
B-4-5'		1030	X		BORING B-4 @ 5'			X	X					
B-4-10'	}	1040	X		" " "			X	X					
B-4-15'		1045	X		" " "			X	X					
SP1-SP4	10-15-93	1100	X		4-PT COMPOSITE DRILL CUTTINGS			X	X	X	X			COMPOSITE FOUR SAMPLES SP-1 → SP-4
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME			
[Signature]				10/18/93	0815	[Signature]								
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME			
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME			
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED FOR LABORATORY BY: (Signature)				DATE	TIME			
RELINQUISHED BY: (Signature)						[Signature]				10/18/93	8:15 AM			



HAGEMAN-AGUIAR, INC.

Underground Contamination Investigations, Groundwater Consultants, Environmental Engineering

**PROPOSED WORKPLAN
FOR
ADDITIONAL SUBSURFACE INVESTIGATION**

QUALITY TUNE-UP
14901 East 14th Street
San Leandro, California

November 4, 1996

TABLE OF CONTENTS

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Results of Previous Investigation	1
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II. SITE DESCRIPTION	5
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ATTACHMENT A -- Reference Data.

ATTACHMENT B -- Health & Safety Plan.

I. INTRODUCTION

The site location is the Quality Tune-up facility located at 14901 East 14th Street in San Leandro, California. The location of the site is shown in Figure 1. In conjunction with a previous service station operation, the site has historically operated three underground Gasoline storage tanks for a number of years. The tanks have been out of use for more than 10 years. The layout of the site is shown in Figure 2 (site map).

On October 15, 1993, a subsurface investigation was conducted by Hageman-Aguiar, Inc. The scope of work involved the collection of soil samples for laboratory analysis at four locations in the immediate vicinity of the existing underground storage tanks. The results of the investigation were presented in the "Report of Limited Soil Investigation" by Hageman-Aguiar, Inc., dated October 26, 1993.

Results of Previous Investigation

The results of the 1993 investigation indicated that Gasoline concentrations were detected in the vicinity of the existing underground storage tanks at concentrations of up to 180 mg/kg (ppm). Low level residual Benzene concentrations were detected in the vicinity of the existing underground storage tanks at concentrations of up to 230 $\mu\text{g}/\text{kg}$ (ppb). The low-level residual Gasoline contamination in the vicinity of the existing underground storage tanks appears to coincide with the location of the water table interface beneath the site. All of the near-surface soils encountered in the borings appeared to be unaffected by any subsurface petroleum contamination.

FIGURE 1.
Site Location Map.



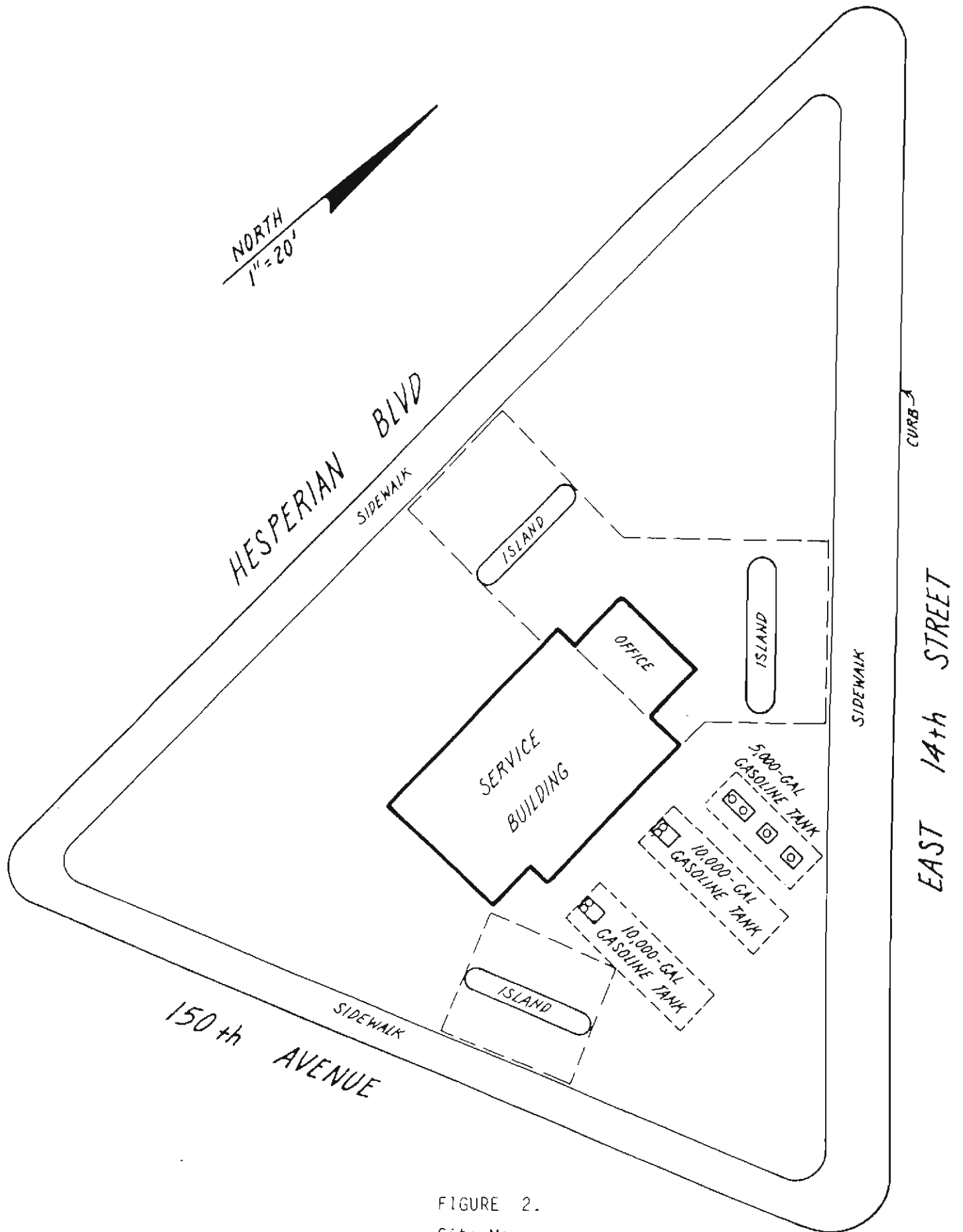


FIGURE 2.
Site Map.

Based upon analysis of the data generated from the limited soil investigation conducted in 1993, the low-level residual Gasoline concentrations found in the vicinity of the existing underground storage tanks may be due to one or more of the following: 1) tank leakage and/or overfill at one or more of the existing underground storage tank locations, 2) migration of subsurface contamination from another on-site source, such as leakage and/or spillage along piping runs or at one or more of the three existing dispenser islands, or 3) migration of subsurface contamination in the shallow groundwater from an off-site source.

Purpose of Additional Subsurface Investigation

The purpose of this subsurface investigation is to collect soil samples at several "Geoprobe" locations in order to assess the subsurface environmental conditions of the site at several locations additional to the underground tank locations. Areas of specific interest are the locations of underground piping runs and the existing pump islands.

II. SITE DESCRIPTION

Hydrogeologic Setting

The location of the site is shown on the site location map (Figure 1). The soils beneath the site consist of Quaternary Alluvium overlying uplifted Cretaceous Marine deposits that comprise the surrounding San Leandro Hills (Geologic Map of California, San Francisco Sheet, State of California Division of Mines and Geology, 1980). During the soil borings, the near-surface soils beneath the site were found to consist primarily of clay.

Based upon the surface topography, as well as the various hydrologic features in the vicinity of the site, the general regional shallow groundwater can be expected to flow from the San Leandro Hills to the north and to the east of the site (areas of groundwater recharge) and move toward San Lorenzo Creek to the south of the site or toward San Francisco Bay to the southwest (areas of discharge). Subsurface investigation at other nearby service station sites indicates that the localized shallow groundwater flow is in the south to southeasterly direction.

Based upon the previous subsurface investigation conducted by Hageman-Aguiar, Inc., the shallow groundwater is present beneath the site at a depth of approximately 13 feet below the ground surface. The site is underlain by fine-grained alluvial deposits, the major portion of which appear to consist of clay. The location of the shallow groundwater table approximately coincides with the locations of the bottoms of the two 10,000-gal underground storage tanks.

III. PROPOSED SCOPE OF WORK

Sampling Locations

The proposed "Geoprobe" sampling locations are shown in Figure 3. The locations have been selected based upon an attempt to assess the subsurface environmental conditions of the site at several locations additional to the underground tank locations. Areas of specific interest are the locations of underground piping runs and the existing pump islands.

Soil Sampling

At each sampling location, a "Geoprobe" barrel will be hydraulically driven into the ground. For each drive, the entire 4 feet of barrel length will be fitted with a clear acrylic plastic insert. The "Geoprobe" sampling is conducted at 4-foot intervals, with typically 100% recovery in fine-grained alluvium.

At the desired sampling depth, the plastic "Geoprobe" insert is cut to produce a six-inch cylinder of soil packed in clear plastic. The ends of the plastic cylinder are then sealed with Teflon film, over which are placed plastic end-caps. The samples will be immediately placed on ice and delivered under chain-of-custody to the laboratory at the conclusion of the field work.

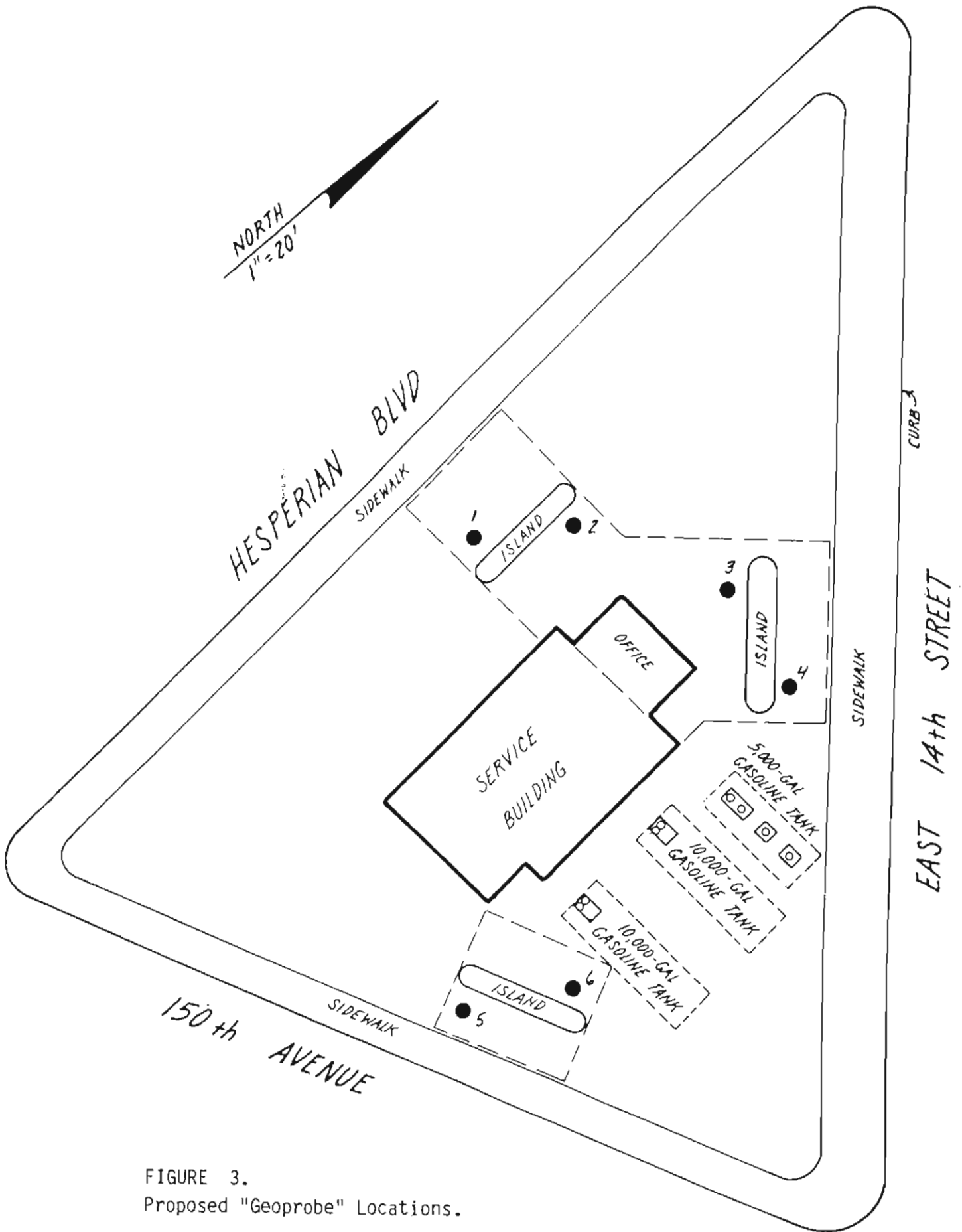


FIGURE 3.
Proposed "Geoprobe" Locations.

If necessary, water samples for chemical analyses can be collected at the discretion of the field engineer. At each "Geoprobe" location, 3/4" PVC casing and slotted well screen can be installed following the completion of the soil sampling activities. A "grab" groundwater sample can then be immediately collected using a decontaminated stainless steel bailer. The water samples are then placed inside 40 ml VOA vials free of any headspace, then transported to the laboratory under chain-of-custody.

Boring Logs

The soil sampling operation will be conducted under the supervision of Gary Aguiar (Registered Civil Engineer #34262). Completed boring logs will be provided in the final investigation report.

Hole Sealing

Following the completion of the groundwater sampling operation, the temporary well casing will be removed and the "Geoprobe" hole will be filled with neat cement grout.

Equipment Decontamination

Prior to the conduct of field work, all equipment, including "Geoprobe" barrels and rods, will be steam-cleaned. All steam-cleaning will be conducted by Gregg Drilling at their permitted steam-cleaning facility located in Martinez, California. Any field

decontamination will be conducted by washing in a water/TSP solution, followed by a double water rinse.

Waste Generation

All soil cuttings will be stockpiled on-site and covered with plastic sheeting, until the results of laboratory analyses are obtained.

IV. LABORATORY ANALYSIS

All analyses will be conducted by a California State DOHS certified laboratory in accordance with EPA recommended procedures (Priority Environmental Laboratory, Milpitas, CA).

Soil samples will be analyzed for:

- 1) total petroleum hydrocarbons as Gasoline
(EPA method 8015).
- 2) Benzene, Toluene, Ethylbenzene, and Total Xylenes
(EPA method 8020).

V. REPORT

A report will be written that will provide a description of all field work and all laboratory results. The report will include, but not be limited to, the following:

- 1) a map showing "Geoprobe" locations.
- 2) soil and formation conditions.
- 3) geologic logs.
- 4) depths to groundwater.
- 5) results of laboratory analyses.

VI. SITE SAFETY PLAN

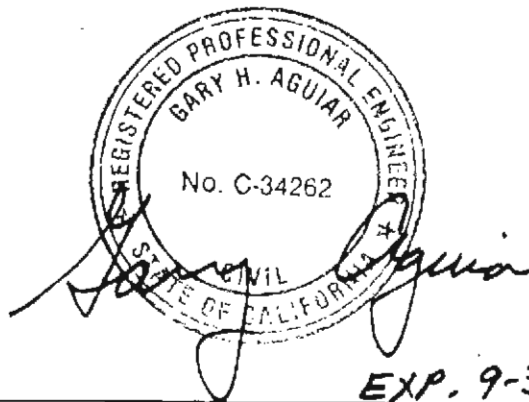
A site-specific set of health and safety operating procedures is included in Attachment B. In order to maintain a safe working environment for field personnel, a copy of these operating procedures will be kept on-site during the field operations, and will be followed in accordance with the magnitude of any contamination encountered.

PROPOSED WORKPLAN FOR SUBSURFACE INVESTIGATION

QUALITY TUNE-UP

14901 East 14th Street, San Leandro, CA.

November 4, 1996



EXP. 9-30-99

Gary Aguiar

RCE 34262

ATTACHMENT A

Reference Data

NORTH
1" = 20'

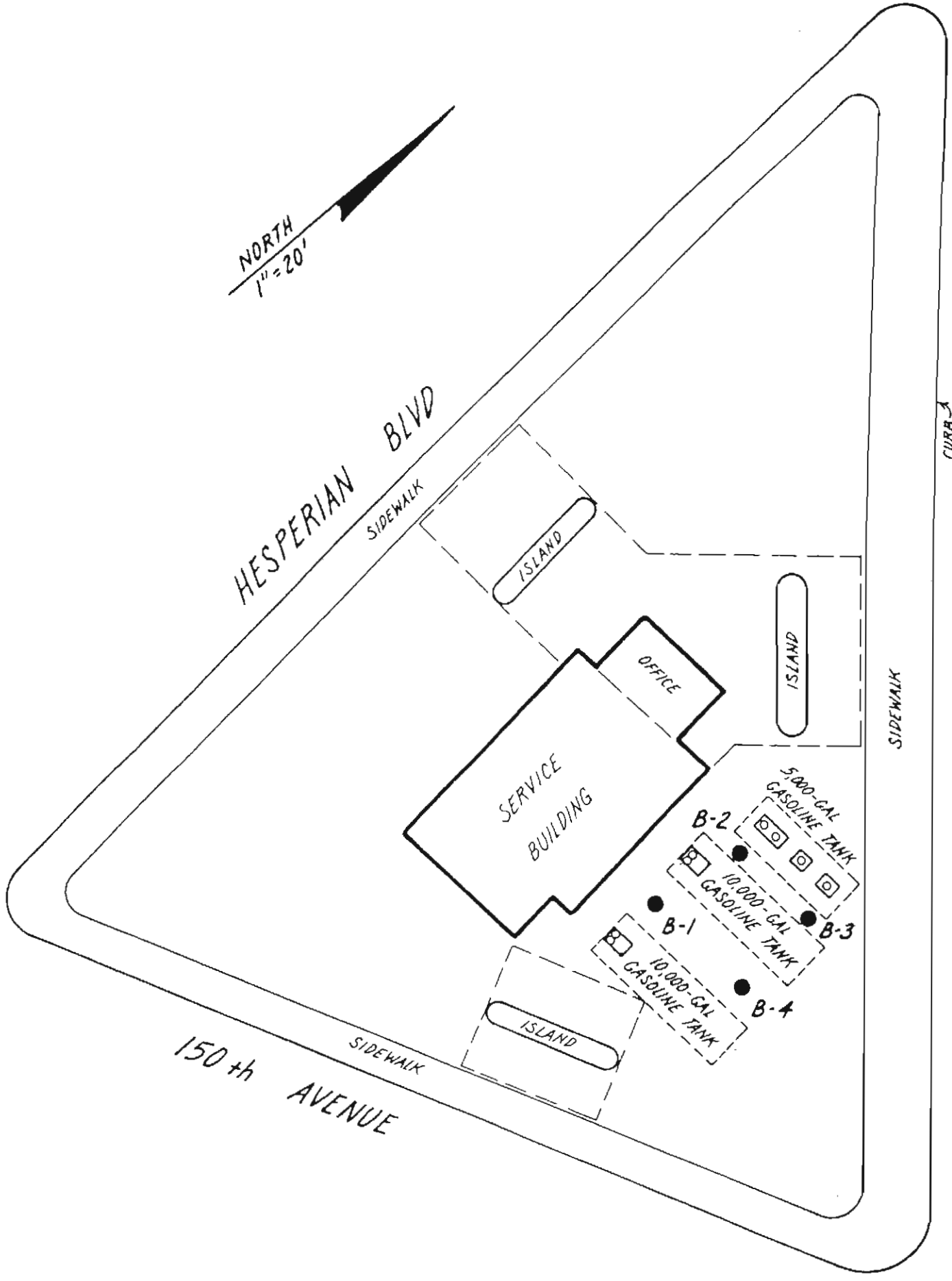
HESPERIAN BLVD
SIDEWALK

CURB

SIDEWALK

EAST 14th STREET

150th AVENUE
SIDEWALK



LOCATION OF BORING

SEE SITE MAP

PROJECT NAME & LOCATION

14901 EAST 14th STREET, SAN LEANDRO

DRILLING METHOD:

6" HOLLOW STEM AUGER

BORING

B-3

SHT

1 of 1

SAMPLING METHOD:

2" SPLIT BARREL SAMPLER WITH BRASS LINERS

DRILLING

START TIME FINISH TIME

WATER LEVEL 13.1'

0930 1005

TIME 1100

DATE 10/15/93

DATE 10/15/93

CASING DEPTH

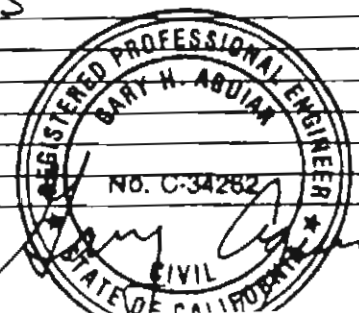
SCREEN

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		ASPHALT
					1		GREY SAND & GRAVEL (BASEROCK)
					2		BLACK CLAY (CL), NEARLY DRY, MODERATE PLASTICITY, SLIGHTLY SILTY, OCCASIONAL FINE SAND.
					3		(NO ODOR)
					4		BRN CLAYEY SAND (SC), SLIGHTLY MOIST, SLIGHT TO MOD. CLAYEY, SAND FINE TO MEDIUM GRAIN.
2" SPLIT	18	11	3/7/10	0950	5		(NO ODOR)
					6		
					7		
					8		
					9		GREY-BRN CLAY (CL), SLIGHTLY MOIST, SLIGHTLY CRUMBLY, MOD. SILTY, LOW TO MOD. PLASTICITY, OCCASIONAL THIN BLACK STREAKS THROUGHOUT.
2" SPLIT	18	12	3/5/7	1000	10		(NO ODOR)
					11		
					12		
					13		
					14		
2" SPLIT	18	18	5/7/11	1005	15		SAME, SATURATED, MOD. STIFF, MODERATE PLASTICITY, VARIEGATED LT GREY & BRN COLOR.
					16		(SLIGHT PETROLEUM ODOR)
					17		TOTAL DEPTH = 15 1/2' BLS
					18		
					19		
					20		

PID=150 PPH

HAGEMAN - AGUIAR, INC.



LOCATION OF BORING

SEE SITE MAP

PROJECT NAME & LOCATION

14901 EAST 14th STREET, SAN LEANDRO

DRILLING METHOD:

6" HOLLOW STEM AUGER

BORING

B-4

SAMPLING METHOD:

2" SPLIT BARREL SAMPLER
WITH BRASS LINERS

SHT

1 of 1

DRILLING

START FINISH

WATER LEVEL

13'

TIME

1045

DATE

10/5/93

TIME

1020

TIME

1045

DATE

DATE

10/5/93

10/5/93

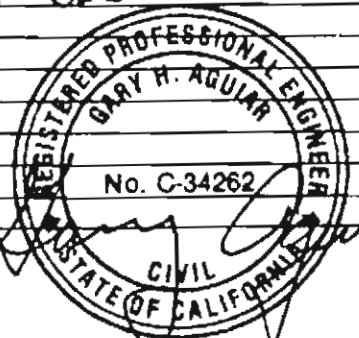
CASING DEPTH

SCREEN

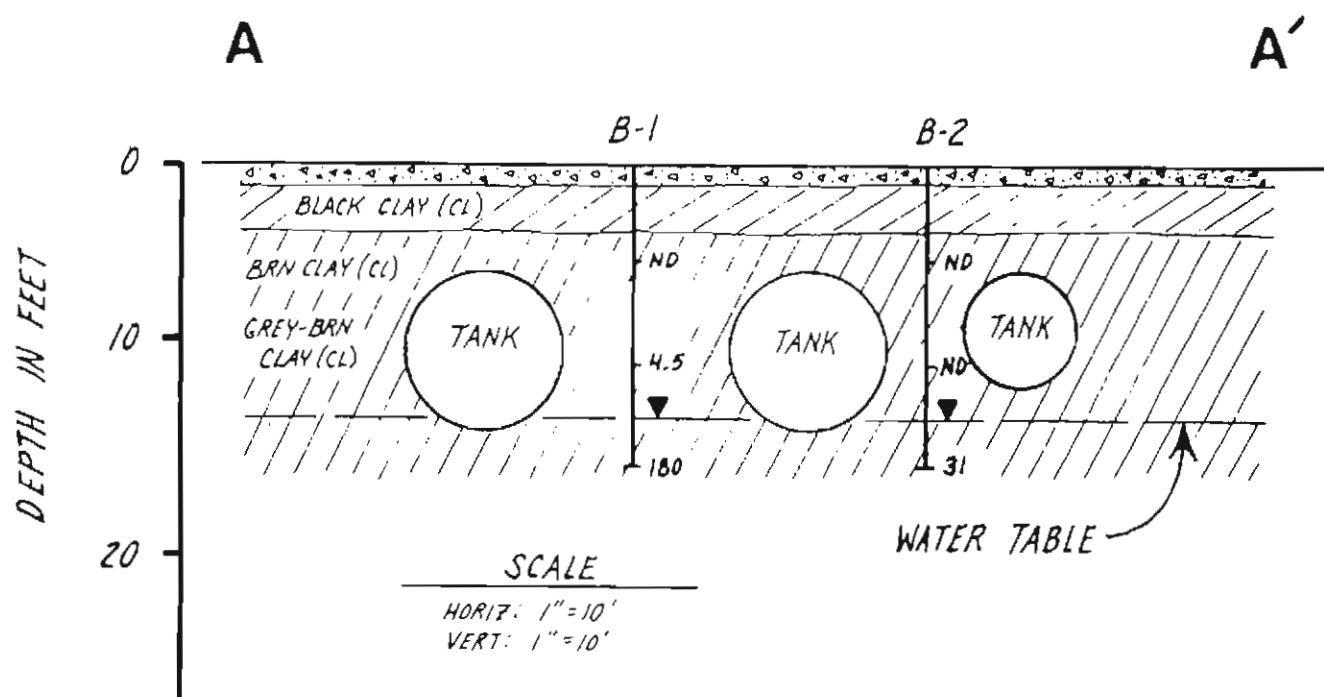
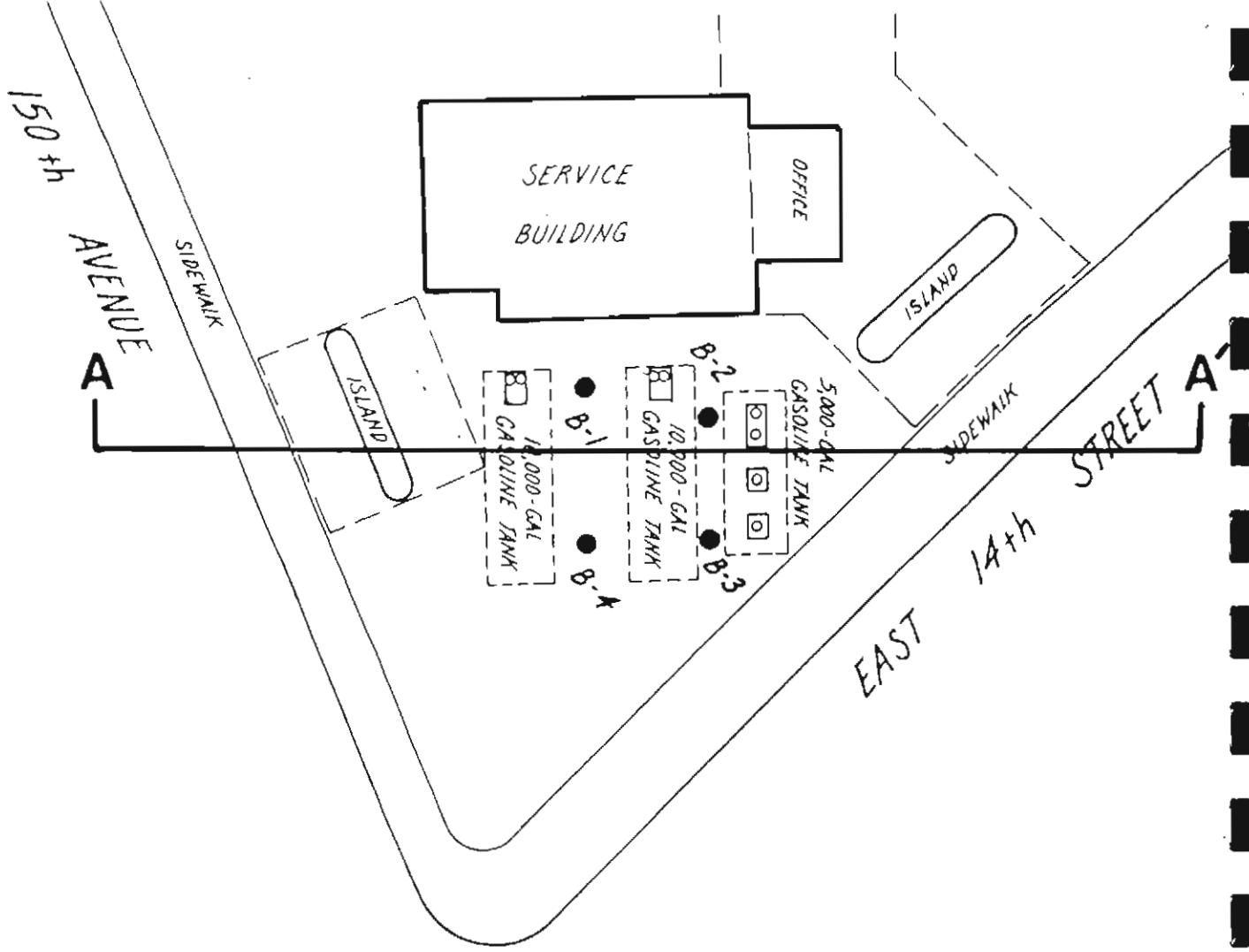
SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		ASPHALT
					1		BRN SAND & GRAVEL (BASEROCK), ANGULAR, GRADED 1/8" TO 1/2"
					2		
					3		BLACK CLAY (CL), SLIGHTLY MOIST, MODERATE PLASTICITY, (NO ODOR)
					4		
2" SPLIT	18	10	5/8/8	1030	5		BRN CLAYEY SAND (SC), NEARLY DRY, SLIGHTLY STIFF, MOD. CLAYEY, SAND FINE GRAIN, (NO ODOR)
					6		
					7		
					8		
2" SPLIT	18	14	4/4/5	1040	10		GREY BRN CLAY (CL), SLIGHTLY MOIST, SOFT, VARIEGATED LT GREY & BRN COLOR, OCCASIONAL THIN BLACK/RED-BRN STREAKS THROUGHOUT, (NO ODOR) PID = 60 PPM
					11		
					12		
					13		
2" SPLIT	18	15	5/7/10	1045	15		SAME, SATURATED, SLIGHTLY STIFF, LOW TO MOD. PLASTICITY, VARIEGATED LT GREY & BRN COLOR, (SL. PETROLEUM ODOR)
					16		
					17		
					18		
					19		
					20		

TOTAL DEPTH = 15 1/2' BLS



HAGEMAN - AGUIAR, INC.



Gasoline concentrations indicated in mg/kg (ppm).

FIGURE 4. Geologic Cross-section.

TABLE 1.
Soil Sampling Results.

Boring	Depth (feet)	TPH as Gasoline (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl- benzene (ug/kg)	Total Xylenes (ug/kg)
B-1	05	ND	ND	ND	ND	ND
	10	4.5	5.8	8.1	14	35
	15	180	230	320	560	1,400
B-2	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	31	35	49	84	210
B-3	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
B-4	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	58	75	97	170	420
Detection Limit		1.0	5.0	5.0	5.0	5.0

ATTACHMENT B

Health & Safety Plan

SITE HAZARD INFORMATION

FC 1006 (05-11-90)

**PLEASE PROVIDE THE FOLLOWING INFORMATION FOR THE SITE*

Owners Name: Diana Pagano

Site Address: 14901 East 14th Street

San Leandro, CA

Directions to Site: Site is at corner of East 14th and 150th Avenue.

From HWy 880, take Hesperian exit, follow Hesperian to East 14th.

From Hwy 580, take 150th exit, follow 150th to East 14th Street.

Consultant On Site: Hageman-Aguilar, Inc. Phone Number: 510) 284-1661

Site Safety Officer: Gary Aguiar Phone Number: 51- 284-1661

Type of Facility: Oil Change & Tune-up

Site Activities: Drilling Construction Tank Excavation Soil Excavation Work in Traffic Area

Groundwater Extraction Vapor Extraction In Situ Remediation Above Ground Remediation

Other: _____

Hazardous Substance

Name (CAS#)	Expected Concentration <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Air	Health Affects
<u>Gasoline</u>	<u>less than 500 mg/kg (ppm)</u>	<u>dizziness, eye irritation</u>

Physical Hazards

Noise Excavations/Trenches
 Traffic Other _____
 Underground Hazards _____
 Overhead Hazards _____

Potential Explosion and Fire Hazards (Flammable Range = 1% to 10% Gas Vapor): _____

Level Of Protection Equipment

A B C D See Personal Protective Equipment

Personal Protective Equipment

R = Required A = As Needed

<u>R</u> Hard Hat	<u>R</u> Safety Eyewear (Type) _____
<u>R</u> Safety Boots	Respirator (Type) _____
Orange Vest	Filter (Type) _____
<u>R</u> Hearing Protection	<u>R</u> Gloves (Type) <u>nitrile rubber</u>
Tyvek Coveralls	Other _____
5 Minute Escape Respirator	_____

SITE HAZARD INFORMATION

FC 1006 (05-11-90)

Monitoring Equipment on Site

- | | |
|---|--|
| <input type="checkbox"/> Organic Vapor Analyzer | <input type="checkbox"/> PID with lamp of _____ eV |
| <input type="checkbox"/> Oxygen Meter | <input type="checkbox"/> Draeger Tube _____ |
| <input type="checkbox"/> Combustible Gas Meter | <input type="checkbox"/> Passive Dosimeter |
| <input type="checkbox"/> H ₂ S Meter | <input type="checkbox"/> Air Sampling Pump |
| <input type="checkbox"/> W.B.G.T. | <input type="checkbox"/> Filter Media _____ |

Site Control Measures public access restricted by cones, barricades & yellow caution tape

Decontamination Procedures Sampling equipment washed with TSP on-site.
Gloves and other disposable materials to be disposed of in facility solid waste
trash bin. Personnel to wash with soap and water prior to eating and/or leaving site.

Hospital/Clinic Humana Hospital Phone (510) 357-8450
Hospital Address 13855 East 14th Street, San Leandro

Paramedic 911 Fire Dept. 911 Police Dept. 911
(510)577-3319 (510)577-3201

Emergency/Contingency Plans & Procedures _____

Site Hazard Information Provided By: Gary Aguiar Phone Number: (510) 284-1661

Gary Aguiar
Print
Gary Aguiar
Signature

Date: 11/4/96

Humana Hospital
13855 East 14th Street
San Leandro
(510) 357-8450



HAGEMAN - AGUIAR, INC.
Standard Operating Procedure HS-01

HEALTH AND SAFETY PROCEDURES

FOR

FIELD INVESTIGATION OF UNDERGROUND SPILLS OF
MOTOR OIL AND PETROLEUM DISTILLATE FUEL

November 1996

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TABLE 1 -- RELATIVE SENSITIVITIES
OF FID AND PID INSTRUMENTS TO
SELECTED COMPONENTS OF OILS
AND PETROLEUM DISTILLATE
FUELS.

1. PURPOSE

This operating procedure establishes minimum procedures for protecting personnel against the hazardous properties of motor oil and petroleum distillate fuels during the performance of field investigations of known and suspected underground releases of such materials. The procedure was developed to enable Hageman-Aguiar, Inc., health and safety personnel and project managers to quickly prepare and issue site safety plans for investigations of such releases.

2. APPLICABILITY

This procedure is applicable to field investigations conducted by Hageman-Aguiar, Inc., of underground releases of the substances listed below and involving one or more of the activities listed below:

2.1 Substances

Motor oil (used and unused)
Leaded and unleaded gasoline
No. 1 Fuel oil (kerosene, JP-1)
No. 1-D Fuel oil (light diesel)
No. 2 Fuel oil (home heating oil)
No. 2-D Fuel oil (medium diesel)
No. 4 Fuel oil (residual fuel oil)
No. 5 Fuel oil (residual fuel oil)
No. 6 Fuel oil (Bunker C fuel oil)
JP-3, 4 & 5 (jet fuels)
Gasahol

4. HAZARD EVALUATION

Motor oil and petroleum distillate fuels are mixtures of aliphatic and aromatic hydrocarbons. The predominant classes of compounds in motor oil, gasoline, kerosene and jet fuels are the paraffins (e.g., benzene, toluene). Gasoline contains about 80 percent paraffins, 6 percent naphthenes, and 14 percent aromatic. Kerosene and jet fuels contain 42- 48 percent paraffins, 36-38 percent naphthenes, and 68-78 percent non-volatile aromatic. These heavier fuels contain almost no volatile aromatic compounds. Chemicals are usually added to automotive and aviation fuels to improve their burning properties.

Examples are tetraethyl-lead and ethylene dibromide. Most additives are proprietary materials.

4.1 Flammability

Crude oil and petroleum distillate fuels possess two intrinsic hazardous properties, namely, flammability and toxicity. The flammable property of the oil and fuels presents a far greater hazard to field personnel than toxicity because it is difficult to protect against and can result in catastrophic consequences. Being flammable, the vapors of volatile components of crude oil and the fuels can be explosive when confined.

The lower flammable or explosive limits (LFL or LEL) of the fuels (listed in Section 2.1) range from 0.6 percent for JP-5 to 1.4 percent for gasoline. LFL and LEL are synonyms. Flash points range from -36°F for gasoline to greater than 150°F for No. 6 fuel oil. JP-5 has a flash point of 140°F. Although it has a lower LEL than gasoline, it can be considered less hazardous because its vapors must be heated to a higher temperature to ignite.

Crude oil and petroleum distillate fuels will not burn in the liquid form; only the vapors will burn and only if the vapor concentration is between the upper and lower flammable limits, sufficient oxygen is present, and an ignition source is present. If these conditions occur in a confined area an explosion may result.

The probability of fire and explosion can be minimized by eliminating any one of the three factors needed to produce combustion. Two of the factors -- ignition source and vapor concentration -- can be controlled in many cases.

Ignition can be controlled by prohibiting open fires and smoking on site, installing spark arrestors on drill rig engines, and turning the engines off when LELs are approached. Vapor concentrations can be reduced by using fans. In fuel tanks, vapor concentrations in the head space can be reduced by introducing dry ice (solid carbon dioxide) into the tank; the carbon dioxide gas will displace the combustible vapors.

4.2 Toxicity

Crude oil and petroleum distillate fuels exhibit relatively low acute inhalation and dermal toxicity. Concentrations of 160 to 270 ppm gasoline vapor have been reported to cause eye, nose and throat irritation after several hours of exposure. Levels of 500 to 900 ppm can cause irritation and dizziness in one hour, and 2000 ppm produces mild anesthesia in 30 minutes. Headaches have been reported with exposure to 25 ppm or more of gasoline vapors measured with a photoionization meter. Most fuels, particularly gasoline, kerosene and jet fuels are capable of causing skin irritation after several hours of contact with the skin.

Petroleum fuels exhibit moderate oral toxicity. The lethal dose of gasoline in children has been reported to be as low as 10-15 grams (2-3 teaspoons). In adults, ingestion of 20- 50 grams of gasoline may produce severe symptoms of poisoning. If liquid fuel aspirated (passes into the

lungs), gasoline and other petroleum distillate fuels may cause secondary pneumonia.

Some of the additives to gasoline, such as ethylene dichloride, ethylene dibromide, tetraethyl and tetramethyl lead, are highly toxic; however, they are present in such low concentrations that their contribution to the overall toxicity of gasoline and other fuels is negligible in most instances.

OSHA has not developed permissible workplace exposure limits for crude oil and petroleum distillate fuels. It recommends using permissible exposure limits for individual components, such as benzene. The American Conference of Government Industrial Hygienists (ACGIH) has established a permissible exposure limit of 300 ppm for gasoline. The limit took into consideration the average concentration of benzene in gasoline (one percent) as well as its common additives. Exposure limits established by other countries range from 250 to 500 ppm. Chemical data sheets, prepared for the U.S. Coast Guard's Chemical Hazard Information System (CHRIS), list 200 ppm as the permissible exposure limit for kerosene and jet fuels. This limit was not developed by NIOSH/OSHA or ACGIH.

5. HEALTH AND SAFETY DIRECTIVES

5.1 Site-Specific Safety Briefing

Before field work begins, all field personnel, including subcontractor employees, must be briefed on their work assignments and safety procedures contained in this document.

5.2 Personal Protective Equipment

The following equipment should be available on-site to each member of the field team:

- NIOSH-approved full or half-face respirator with organic vapor cartridges (color coded black)
- Saranex or polyethylene-coated Tyvek coveralls
- Splash-proof safety goggles
- Nitrile or neoprene gloves
- Neoprene or butyl boots, calf-length with steel toe and shank
- Hardhats

5.2.1 Equipment Usage

Chemical-resistant safety boots must be worn during the performance of work where surface soil is obviously contaminated with oil or fuel, when product quantities of oil or fuel are likely to be encountered, and within 10 feet of operating heavy equipment.

Respirators must be worn whenever total airborne hydrocarbon levels in the breathing zone of field personnel reach or exceed a 15-minute average of 25 ppm. If total airborne hydrocarbons in the breathing zone exceeds 100 ppm, work must be suspended, personnel directed to move a safe distance from the source, and the HSO or designee consulted.

Chemical resistant gloves must be worn whenever soil or water known or suspected of containing petroleum hydrocarbons is collected or otherwise handled.

Chemical resistant coveralls must be worn whenever product quantities of fuel are actually encountered and when oil or fuel-saturated soil is handled.

Safety goggles must be worn when working within 10 feet of any operating heavy equipment (e.g., drill rig, backhoe). Splash-proof goggles or face shields must be worn whenever product quantities of oil or fuel are encountered.

Hardhats must be worn when working within 10 feet of an operating drill rig, backhoe or other heavy equipment.

Operators of some facilities, such as refineries, often require all personnel working within facility boundaries to wear certain specified safety equipment. Such requirements shall be strictly observed.

5.3 Vapor Monitoring

5.3.1 Required Equipment

- Organic vapor meter the flame or photoionization detector
- Combustible gas meter

5.3.2 Monitoring Requirements and Guidelines

Vapor monitoring shall be performed as often as necessary and whenever necessary to protect field personnel from hazardous vapors. Monitoring must be performed by individuals trained in the use and care of the monitoring equipment.

During drilling operations, vapor emissions from boreholes must be measured whenever the auger is removed from the boring and whenever flights are added or removed from hollow-stem augers. This requirement does not apply to borings less

than five feet deep and borings of any depth made to install monitoring wells in uncontaminated solid. Measurements should be made initially with an organic vapor meter, followed with a combustible gas meter if vapor levels exceed the highest concentration measurable with the organic vapor meter.

Initially measurements shall be made about 12 inches from the bore hole, both upwind and downwind positions. If the total hydrocarbon concentrations exceed the respirator use action level, measurements must be made in the breathing zone of the individual(s) working closest to the borehole. Decisions regarding respiratory protection should be made using vapor concentrations in the breathing zone.

Organic vapor meter capable of being operated continuously without attention may be operated in that fashion if desired. However, the instrument must be equipped with an alarm set to sound when vapor concentrations reach 25 ppm and must be protected against physical damage and spoilage.

If total organic vapor concentrations within 12 inches of the borehole exceed the capacity of the organic vapor meter, a combustible gas meter (CGM) must be used to determine if explosive conditions exist. Operations must be suspended, the drill rig motor shot down, and corrective action taken if combustible gas concentrations reach 40 percent of LEL within a 12-inch radius of the borehole or 10 percent of LEL at a distance greater than 24 inches from the borehole. This procedure must also be followed whenever the organic vapor meter goes off-scale at its highest range and no CGM is available. If corrective action cannot be taken, field personnel and all other individuals in the vicinity of the borehole must be directed to move to a safe area and the local fire department and facility management must be alerted.

Organic vapor meter with flame ionization detectors (FID) are much more sensitive to

paraffins, with the major component of gasoline, kerosene, and jet fuels, then are meters with 10.0 or 10.2 eV photoionization detectors. As the data in Table 1 show, an FID instrument, such as the Century Systems OVA (Foxboro Analytical), will detect 70-90 percent of actual paraffin concentrations, whereas PID instruments, such as the HNU Model PI-101, AID Model 580, and Photovac TIP with 10.0 to 10.2 eV lamp will detect only 17-25 percent of actual paraffin concentrations when calibrated with benzene and only 24-35 percent when calibrated with isobutylene. Both types of meters are equally sensitive to most aromatic, including benzene, toluene, xylene and ethylbenzene. For these compounds, meter readings equal or exceed 100 percent of actual concentrations. PIDs with 11.7 eV lamps are extremely sensitive to paraffins and aromatic. When calibrated to isobutylene, an 11.7 eV PID will register about twice actual paraffin concentrations and 100 percent or more of actual concentrations of benzene, toluene, and xylene.

An FID meter, recently calibrated with methane and in good working condition, can be expected to provide readings close enough to actual petroleum hydrocarbon concentrations to make corrections unnecessary. Value obtained with a PID must be corrected when measured for paraffins. For 10.0 and 10.2 eV PIDs, the meter reading should be multiplied by 5 if the instrument is calibrated with benzene. If the instrument is calibrated with isobutylene, the meter readings should be multiplied by 3. If the instrument is equipped with an 11.7 eV probe and is calibrated with isobutylene, the meter reading should be divided by 2.

5.4 Area Control

Access to hazardous and potential hazardous areas of spill sites must be controlled to reduce the probability of occurrence of physical injury and chemical exposure of field personnel, visitors and

the public. A hazardous or potentially hazardous area includes any area where:

1. Field personnel are required to wear respirators.
2. Borings are being drilled with powered augers.
3. Excavating operations with heavy equipment are being performed.

The boundaries of hazardous and potentially hazardous areas must be identified by cordons, barricades, or emergency traffic cones or posts, depending on conditions. If such areas are left unattended, signs warning of the danger and forbidding entry must be placed around the perimeter if the areas are accessible to the public.

Trenches and other large holes must be guarded with wooded or metal barricades spaced no further than 20 feet apart and connected with yellow or yellow and black nylon tape not less than 3/4-inches wide. The barricades must be placed no less than two feet from the edge of the excavation or hole.

Entry to hazardous areas shall be limited to individuals who must work in those areas. Unofficial visitors must not be permitted to enter hazardous areas while work in those areas are in progress. Official visitors should be discouraged from entering hazardous areas, but may be allowed to enter only if they agree to abide by the provisions of this document, follow orders issued by the site safety officer and are informed of the potential dangers that could be encountered in the areas.

5.5 Decontamination

Field decontamination of personnel and equipment is not required except when contamination is obvious (visually or by odor). Recommended decontamination procedures follow:

5.5.1 Personnel

Gasoline, kerosene, jet fuel, heating oil, gasahol and diesel oil should be removed from skin using a mild detergent and water. Hot water is more efficient than cold. Liquid dishwashing detergent is more effective than hand soap. Motor oil and the heavier fuel oils (No. 4-6) can be removed with dishwashing detergent and hot water also; however, if weathered to an asphaltic condition, mechanic's waterless hand cleaner is recommended for initial cleaning followed by detergent and water.

5.5.2 Equipment

Gloves, respirators, hardhats, boots and goggles should be cleaned as described under personnel. If boots do not become clean after washing with detergent and water, wash them with a strong solution of trisodium phosphate and hot water.

Sampling equipment, augers, vehicle undercarriages and tires should be steam cleaned. The steam cleaner is a convenient source of hot water for personnel and protective equipment cleaning.

5.6 Smoking

Smoking and open flames are strictly prohibited at sites under investigation.



Underground Contamination Investigations, Groundwater Consultants, Environmental Engineering

REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION

QUALITY TUNE-UP

14901 East 14th Street
San Leandro, California

January 6, 1997

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ATTACHMENT A -- Correspondence

ATTACHMENT B -- Boring Logs

ATTACHMENT C -- Analytical Results: Soil

ATTACHMENT D -- Analytical Results: Groundwater

I. INTRODUCTION

The site location is the Quality Tune-up facility located at 14901 East 14th Street in San Leandro, California. The location of the site is shown in Figure 1. In conjunction with a previous service station operation, the site has historically operated three underground Gasoline storage tanks for a number of years. The tanks have been out of use for more than 10 years. The layout of the site is shown in Figure 2 (site map).

Results of Previous Investigation

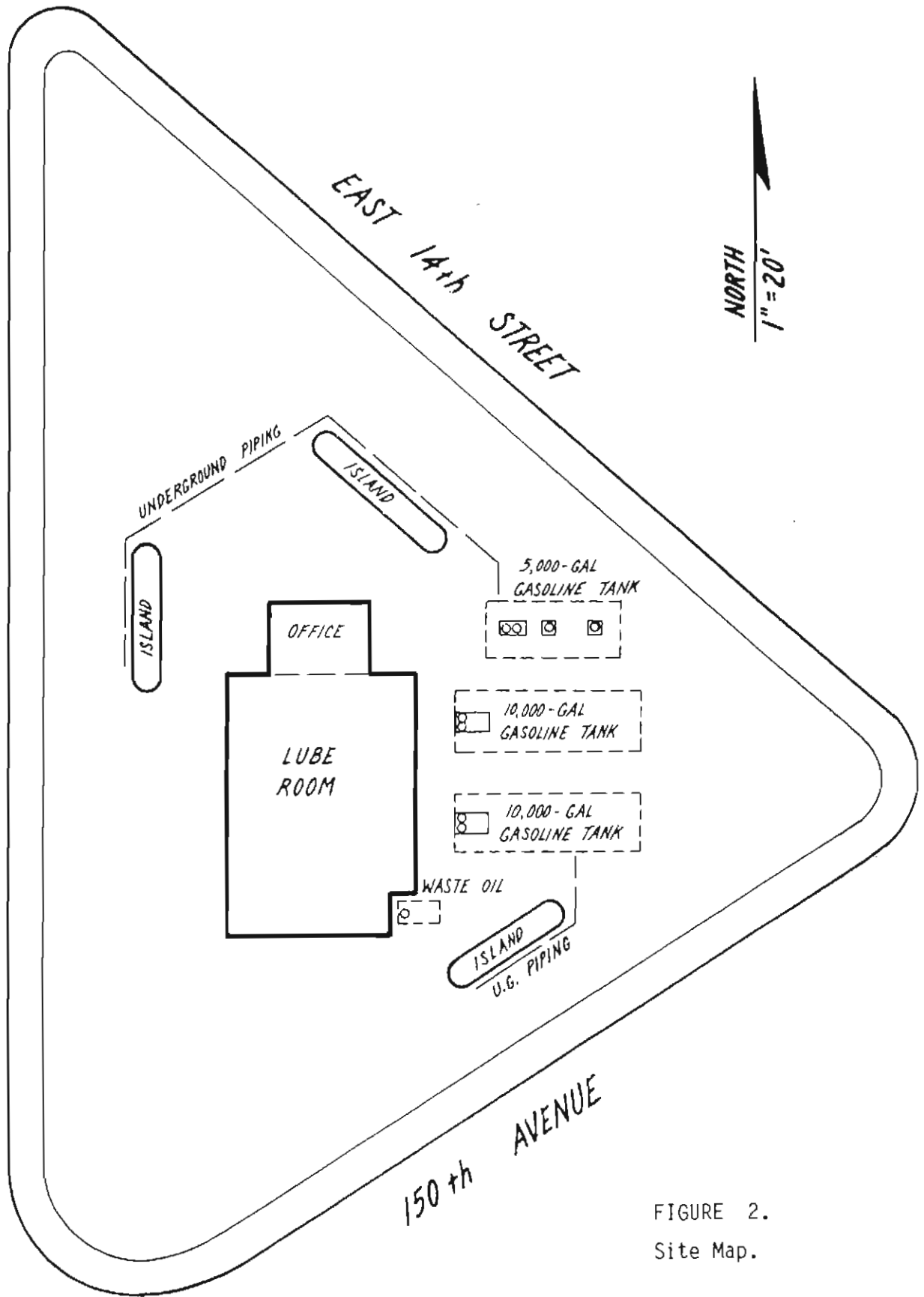
On October 15, 1993, a subsurface investigation was conducted by Hageman-Aguiar, Inc. The scope of work involved the collection of soil samples for laboratory analysis at four locations in the immediate vicinity of the existing underground storage tanks. The results of the investigation were presented in the "Report of Limited Soil Investigation" by Hageman-Aguiar, Inc., dated October 26, 1993.

The results of the 1993 investigation indicated that Gasoline concentrations were detected in the vicinity of the existing underground storage tanks at concentrations of up to 180 mg/kg (ppm). Low level residual Benzene concentrations were detected in the vicinity of the existing underground storage tanks at concentrations of up to 230 $\mu\text{g}/\text{kg}$ (ppb). The low-level residual Gasoline contamination in the vicinity of the existing underground storage tanks appeared to coincide with the location of the water table interface beneath the site. All of the near-surface soils encountered in the borings appeared to be unaffected by any subsurface petroleum contamination.

FIGURE 1.
Site Location Map.



HESPERIAN BLVD



EAST 14th STREET

NORTH
1" = 20'

UNDERGROUND PIPING

ISLAND

ISLAND

5,000-GAL
GASOLINE TANK

10,000-GAL
GASOLINE TANK

10,000-GAL
GASOLINE TANK

WASTE OIL

ISLAND

U.G. PIPING

150th AVENUE

FIGURE 2.
Site Map.

Based upon analysis of the data generated from the limited soil investigation conducted in 1993, the low-level residual Gasoline concentrations found in the vicinity of the existing underground storage tanks may be due to one or more of the following: 1) tank leakage and/or overfill at one or more of the existing underground storage tank locations, 2) migration of subsurface contamination from another on-site source, such as leakage and/or spillage along piping runs or at one or more of the three existing dispenser islands, or 3) migration of subsurface contamination in the shallow groundwater from an off-site source.

Purpose of Additional Subsurface Investigation

The purpose of this subsurface investigation was to collect soil samples at several "Geoprobe" locations in order to assess the subsurface environmental conditions of the site at several locations additional to the underground tank locations. Areas of specific interest are the locations of underground piping runs and the existing pump islands.

II. SITE DESCRIPTION

Hydrogeologic Setting

The location of the site is shown on the site location map (Figure 1). The soils beneath the site consist of Quaternary Alluvium overlying uplifted Cretaceous Marine deposits that comprise the surrounding San Leandro Hills (Geologic Map of California, San Francisco Sheet, State of California Division of Mines and Geology, 1980). Based upon the surface topography, as well as the various hydrologic features in the vicinity of the site, the general regional shallow groundwater can be expected to flow from the San Leandro Hills to the north and to the east of the site (areas of groundwater recharge) and move toward San Lorenzo Creek to the south of the site or toward San Francisco Bay to the southwest (areas of discharge). Subsurface investigation at other nearby service station sites indicates that the localized shallow groundwater flow is in the south- to southeasterly direction.

The site is underlain by fine-grained alluvial deposits, the major portion of which appear to consist of silt and clay. Based upon this most recent subsurface investigation conducted by Hageman-Aguiar, Inc., the shallow groundwater is present beneath the site at a depth of approximately 11.5 feet below the ground surface. During the previous 1993 investigation, the shallow groundwater table was found to be located approximately 13 feet below the ground surface. The data indicate seasonal variations in the shallow groundwater elevation.

III. FIELD WORK

Sampling Locations

The soil and groundwater sampling operation was conducted on December 5, 1996, by Gregg Drilling of Martinez, CA. The various "Geoprobe" sampling locations are shown in Figure 3. The locations were selected based upon an attempt to assess the subsurface environmental conditions of the site at several locations additional to the underground tank locations. Areas of specific interest are the locations of underground piping runs and the existing pump islands.

Soil Sampling

Soil samples were collected at each of the "Geoprobe" locations GP-1, GP-2, GP-3, GP-4, GP-5, and GP-6. At each sampling location, a "Geoprobe" barrel was hydraulically driven into the ground. For each drive, the entire 4 feet of barrel length was fitted with a clear acrylic plastic insert. Soil samples for chemical analyses were collected at 5-foot intervals down to a depth of 15 feet. At the desired depth, the plastic "Geoprobe" insert was cut to produce a six-inch cylinder of soil packed in clear plastic. The ends of the plastic cylinder were sealed with Teflon film, over which was placed a plastic end-cap. The end-caps were then sealed with clean plastic adhesive tape. All samples were immediately placed on ice, then transported under chain-of-custody to the laboratory upon completion of the field work.

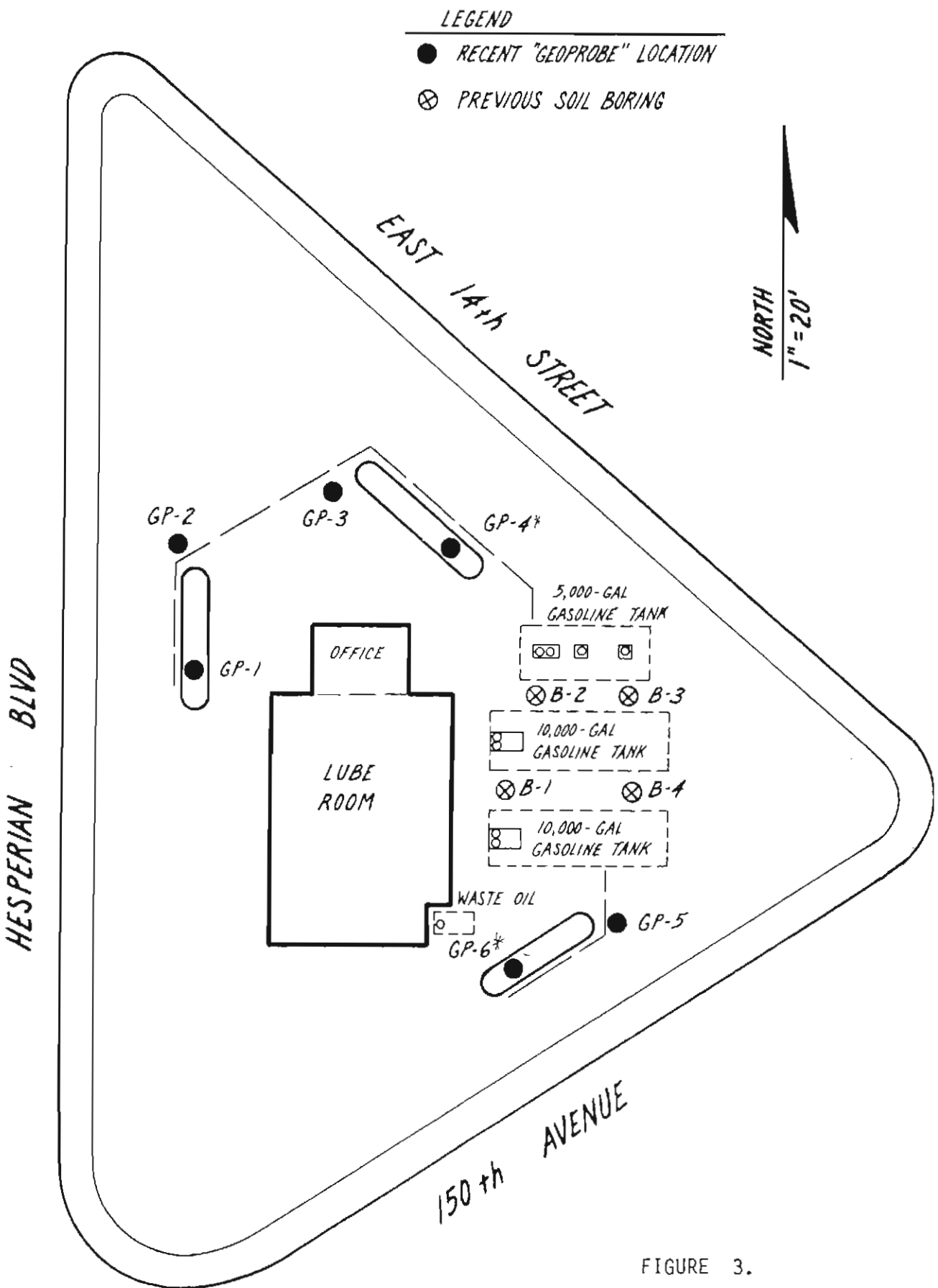


FIGURE 3.
Boring Locations.

Groundwater Sampling

Shallow "grab" groundwater samples were collected at Geoprobe locations GP-1, GP-4 and GP-6. At each "Geoprobe" location, 3/4" PVC casing and slotted well screen were installed following the completion of the soil driving activities. A "grab" groundwater sample was immediately collected using a decontaminated stainless steel bailer. The water samples were placed inside 40 ml VOA vials free of any headspace. The samples were immediately placed on ice, then delivered under chain-of-custody to the laboratory at the conclusion of the field work.

Boring Logs

The soil sampling operation was conducted under the supervision of Gary Aguiar (Registered Civil Engineer #34262). The boring logs are included as Attachment B.

Hole Sealing

Following the completion of the groundwater sampling operation, each "Geoprobe" hole was filled with neat cement grout.

Equipment Decontamination

Prior to the conduct of field work, all equipment, including "Geoprobe" barrels and rods, was steam-cleaned. All steam-cleaning was conducted by Gregg Drilling at their permitted steam-cleaning facility located in Martinez, California. Any field decontamination was conducted by washing in a water/TSP solution, followed by a double water rinse.

IV. ANALYTICAL RESULTS

Laboratory Analysis

All analyses were conducted by a California State DOHS certified laboratory in accordance with EPA recommended procedures. The laboratory analyses were performed by Priority Analytical Laboratory located in Milpitas, California.

Soil samples were analyzed for:

- 1) Total Petroleum Hydrocarbons as Gasoline
(EPA method 8015),
- 2) Benzene, Toluene, Ethylbenzene, and Total Xylenes
(EPA method 8020),
- 3) Methyl Tertiary Butyl Ether (MTBE)
(EPA method 8020).

Groundwater samples were analyzed for:

- 1) Total Petroleum Hydrocarbons as Gasoline
(EPA method 8015),
- 2) Benzene, Toluene, Ethylbenzene, and Total Xylenes
(EPA method 602),
- 3) Methyl Tertiary Butyl Ether (MTBE)
(EPA method 602).

Analytical Results: Soil

Table 1 presents the results of the laboratory analysis of the shallow "grab" groundwater samples collected from each of the three "Geoprobe" locations. A copy of the laboratory certificate for the soil sample analyses is provided in Attachment C.

As shown in Table 1, there appear to be very low residual Gasoline concentrations in the soil at the 10-foot depth in the vicinity of location GP-1, and at the 15-foot depth at locations GP-1, GP-4, GP-5 and GP-6. Gasoline was found in the soil at concentrations of up to 29 mg/kg (ppm).

Also shown in Table 1, Benzene was detected in the soil samples at concentrations of up to 41 µg/kg (ppb), respectively.

TABLE 1.

Soil Sampling Results

Boring	Depth (feet)	TPH as Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl- benzene (ug/Kg)	Total Xylenes (ug/Kg)
GP-1	05	ND	ND	ND	ND	ND
	10	4.3	6.6	ND	6.5	10
	15	4.4	41	5.2	ND	28
GP-2	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
GP-3	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
GP-4	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	5.9	7.9	5.0	12	20
GP-5	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	7.1	9.7	5.1	6.9	10
GP-6	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	29	24	8.0	12	31
Detection Limit		1	5	5	5	5

ND = Not Detected

TABLE 1. (continued)

Soil Sampling Results

Boring	Depth (feet)	TPH as Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl-benzene (ug/Kg)	Total Xylenes (ug/Kg)
Previous B-1	05	ND	ND	ND	ND	ND
	10	4.5	5.8	8.1	14	35
	15	180	230	320	560	1,400
Previous B-2	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	31	35	49	84	210
Previous B-3	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
Previous B-4	05	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	58	75	97	170	420
Detection Limit		1	5	5	5	5

ND = Not Detected

Analytical Results: Groundwater

Table 2 presents the results of the laboratory analysis of the “grab” groundwater samples collected from “Geoprobe” locations GP-1, GP-4 and GP-6. A copy of the laboratory certificate for the groundwater sample analyses is provided in Attachment D.

As shown in Table 2, Gasoline was detected in the “grab” groundwater samples collected at locations GP-1, GP-4 and GP-6 at concentrations of 4,400 $\mu\text{g/L}$ (ppb), 22,000 $\mu\text{g/L}$ (ppb) and 210,000 $\mu\text{g/L}$, respectively.

TABLE 2.**Shallow "Grab" Groundwater Sampling Results**

Boring	Date	TPH as Gasoline (ug/L)	MTBE (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)
GP-1	12-05-96	4,400	ND	0.7	ND	1.4	2.0
GP-4	12-05-96	22,000	ND	4.0	5.7	10	23
GP-6	12-05-96	210,000	ND	200	180	180	420
Detection Limit		50	0.5	0.5	0.5	0.5	0.5

ND = not detected

V. DATA ANALYSIS

The data presented in Table 1 clearly indicate that the near-surface soils encountered in the borings are largely unaffected by any subsurface petroleum contamination. The presence of Gasoline in the soil appears to coincide with the presence of the shallow groundwater table. Seasonal variation in the water table elevation is the likely reason for the presence of Gasoline concentrations in the soils at the 15-foot depth, which is clearly beneath the present shallow groundwater table.

Figure 4 shows a plot of lines of equal concentration of Gasoline in the soil at the 15-foot depth. As indicated by Figure 4, low-level residual Gasoline contamination appears to be centered around the existing underground storage tank area. Figure 5 shows lines of equal concentration for Gasoline in the shallow groundwater. Since these lines have been drawn based upon relatively limited data (three data points), the plot represents only a small portion of the respective concentration plume. The plot suggests, however, that the dissolved concentrations are centered around the existing underground storage tank area and is somewhat open-ended toward 150th Avenue.

The data analysis described above clearly indicates that Gasoline concentrations in the soil and groundwater are centered around the existing underground storage tank area. During both the previous 1993 investigation and the current investigation, the shallow groundwater table has been found to be present at, or above, the bottoms of the two 10,000-gal underground storage tanks. The data collected to date provide strong evidence that the presence of Gasoline concentrations beneath the site is due to tank leakage and/or overfill at one or more of the existing underground storage tank locations.

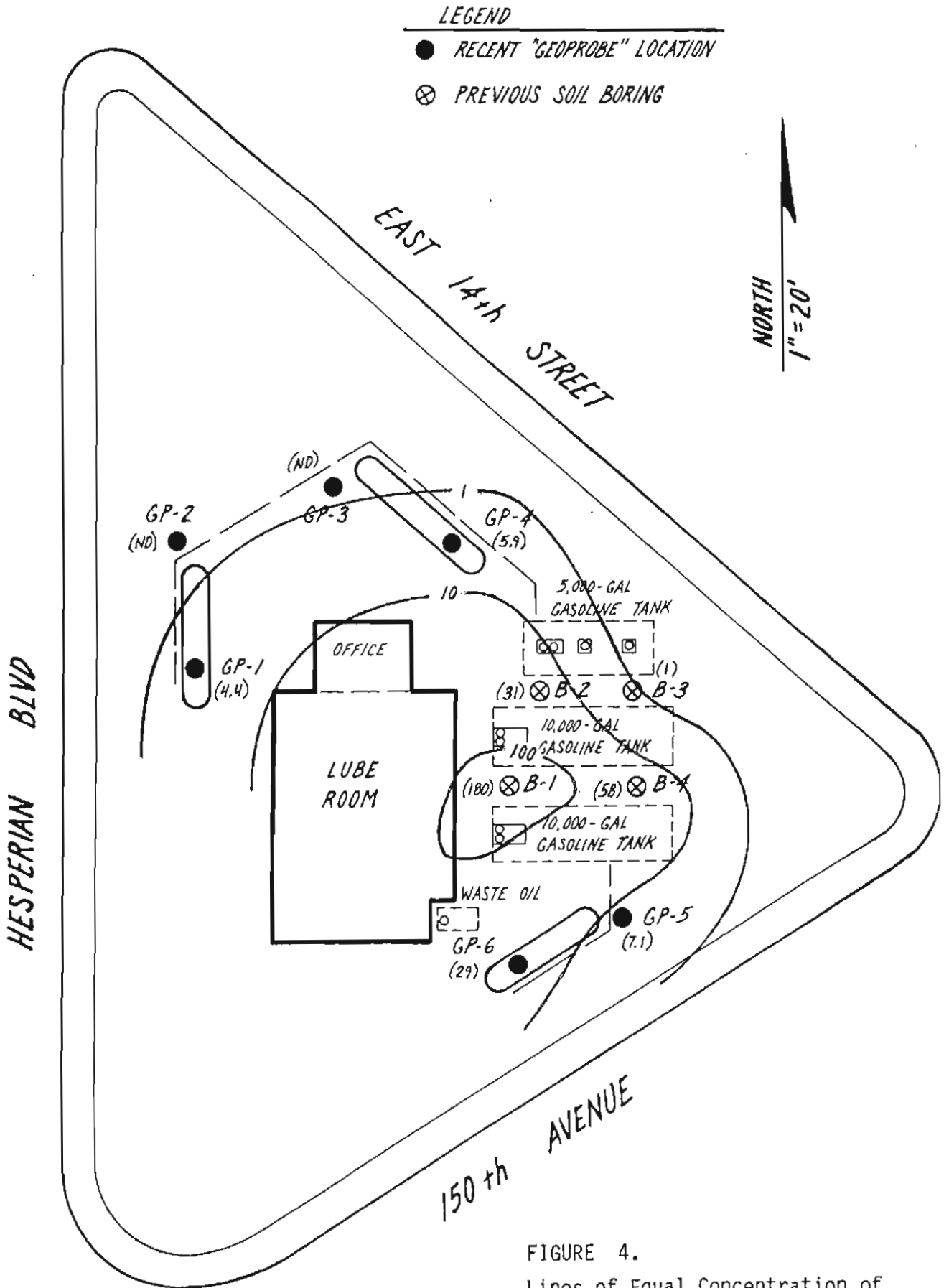


FIGURE 4.
 Lines of Equal Concentration of Gasoline in mg/kg (ppm) in the SOIL at the 15-foot Depth.

HESPERIAN BLVD

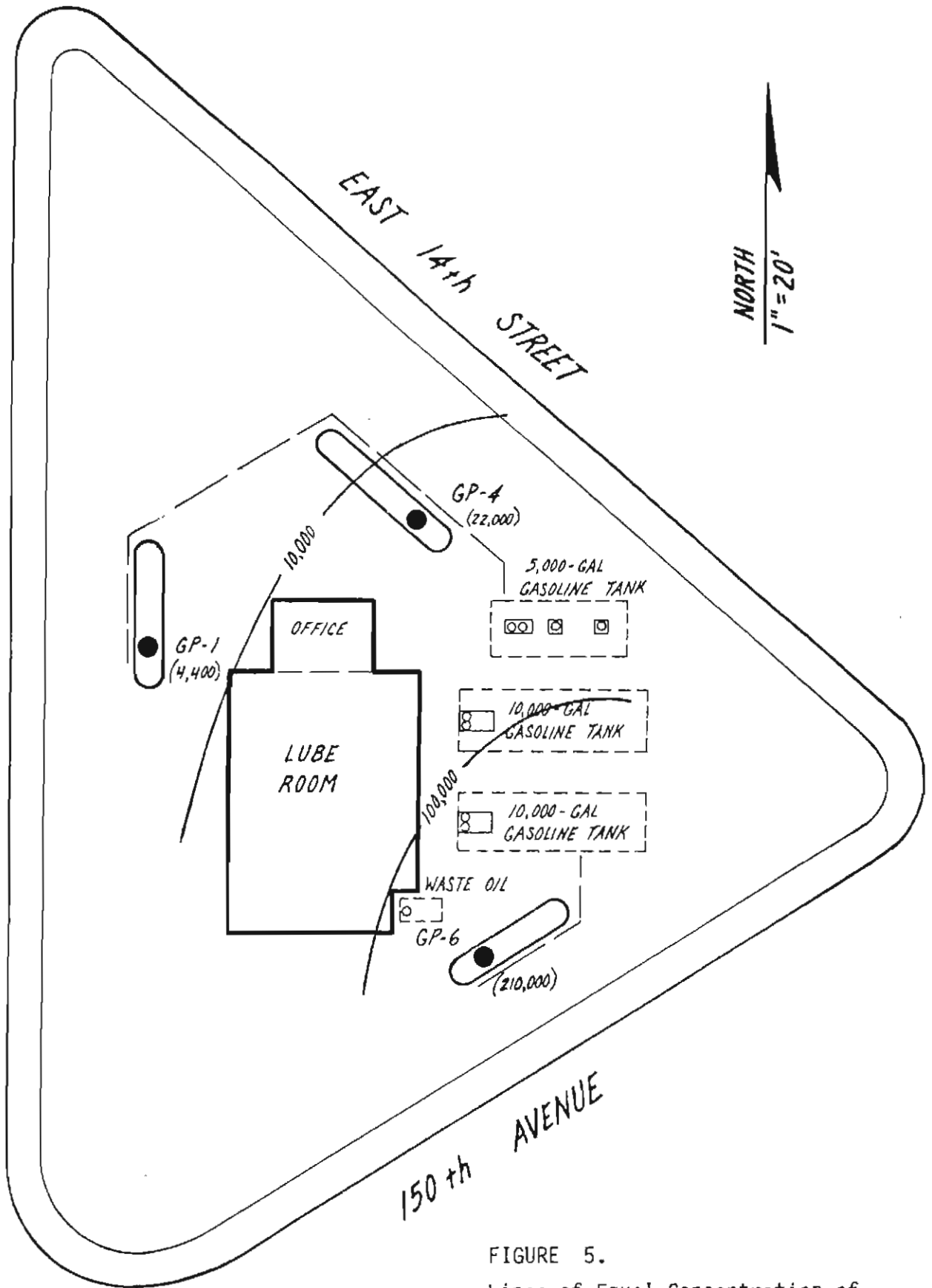


FIGURE 5.
Lines of Equal Concentration of
Gasoline in ug/L (ppb) in the
Shallow GROUNDWATER.

VI. SUMMARY

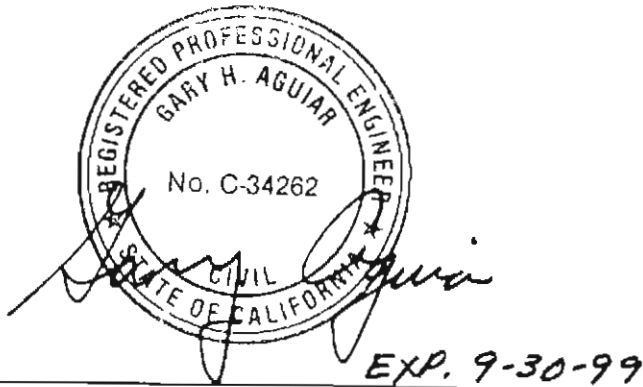
1. During this most recent subsurface investigation, shallow groundwater was found to be present beneath the site at a depth of approximately 11.5 feet below the ground surface. During the previous 1993 investigation, the shallow groundwater table was found to be located approximately 13 feet below the ground surface. The data indicate seasonal variations in the shallow groundwater table elevation.
2. The site is underlain by fine-grained alluvial deposits, the major portion of which appear to consist of silt and clay.
3. Low level residual Gasoline was detected in the soil at concentrations of up to 29 mg/kg (ppm). Benzene was detected in the soil samples at concentrations of up to 41 $\mu\text{g}/\text{kg}$ (ppb), respectively.
4. Gasoline was detected in the "grab" groundwater samples collected at locations GP-1, GP-4 and GP-6 at concentrations of 4,400 $\mu\text{g}/\text{L}$ (ppb), 22,000 $\mu\text{g}/\text{L}$ (ppb) and 210,000 $\mu\text{g}/\text{L}$, respectively.
5. The analytical data indicate that the near-surface soils encountered in the borings are largely unaffected by any subsurface petroleum contamination. The presence of Gasoline in the soil appears to coincide with the presence of the shallow groundwater table.

6. Based upon analysis of soil sampling data for the 15-foot depth, low-level residual Gasoline contamination appears to be centered around the existing underground storage tank area.
7. Based upon analysis of "grab" Groundwater sampling data, dissolved Gasoline concentrations appear to be centered around the existing underground storage tank area, with a concentration plume that is somewhat open-ended toward 150th Avenue.
8. The data collected to date provide strong evidence that the presence of Gasoline concentrations beneath the site is due to tank leakage and/or overfill at one or more of the existing underground storage tank locations.

REPORT OF ADDITIONAL SUBSURFACE INVESTIGATION
QUALITY TUNE-UP

14901 East 14th Street, San Leandro, CA.

January 6, 1997



Gary Aguiar

RCE 34262

ATTACHMENT A

Correspondence

City of San Leandro
Civic Center, 835 E. 14th Street
San Leandro, California 94577



November 22, 1996

Ms. Diana Pagano
6912 Broadway Terrace
Oakland, CA 94611

Dear Ms. Pagano:

Approval of Additional Subsurface Investigation Workplan for 14901 East 14th

The City of San Leandro's Hazardous Materials Division has reviewed Hageman-Aguiar's proposed workplan, dated November 4, 1996. The workplan is approved subject to the following conditions:

1. That this office be notified at least 48 hours prior to start of field work.
2. That at least one groundwater sample be collected from the area surrounding each former island.
3. That the soil sampling depths be specified and approved by this office.
4. That at each island one boring be punched through the former island and the second be punched immediately adjacent to a piping run.

The City of San Leandro's Hazardous Materials Division will oversee all remedial activities at your site. A check for \$480 must be submitted to this office to pay for staff time associated with review of reports and oversight of this project. Please make the check payable to the City of San Leandro Hazardous Materials Division. The deposit will be placed into an account from which money will be drawn at the rate of \$60 per hour for time spent on this project. At the end of this project all unused funds will be returned to you.

Financial assistance to pay for the cost of investigating, remediating, and monitoring your leaking underground storage tank site is available through the state underground storage tank cleanup fund. For more information on the fund and to obtain an application package please refer to the enclosed brochure.

If you have any questions, please call me at 577-3331.

Sincerely,

Michael Bakaldin
Hazardous Materials Coordinator

attachment

cc: Kevin Graves, SFBR WQCB
Gary Aguiar, Hageman-Aguiar

Ellen M. Corbett, Mayor

City Council:
Joanne M. Lothrop;

Gordon A. Galvan;
Julian P. Polvorosa;

Bob Glaze;
Shelia Young;

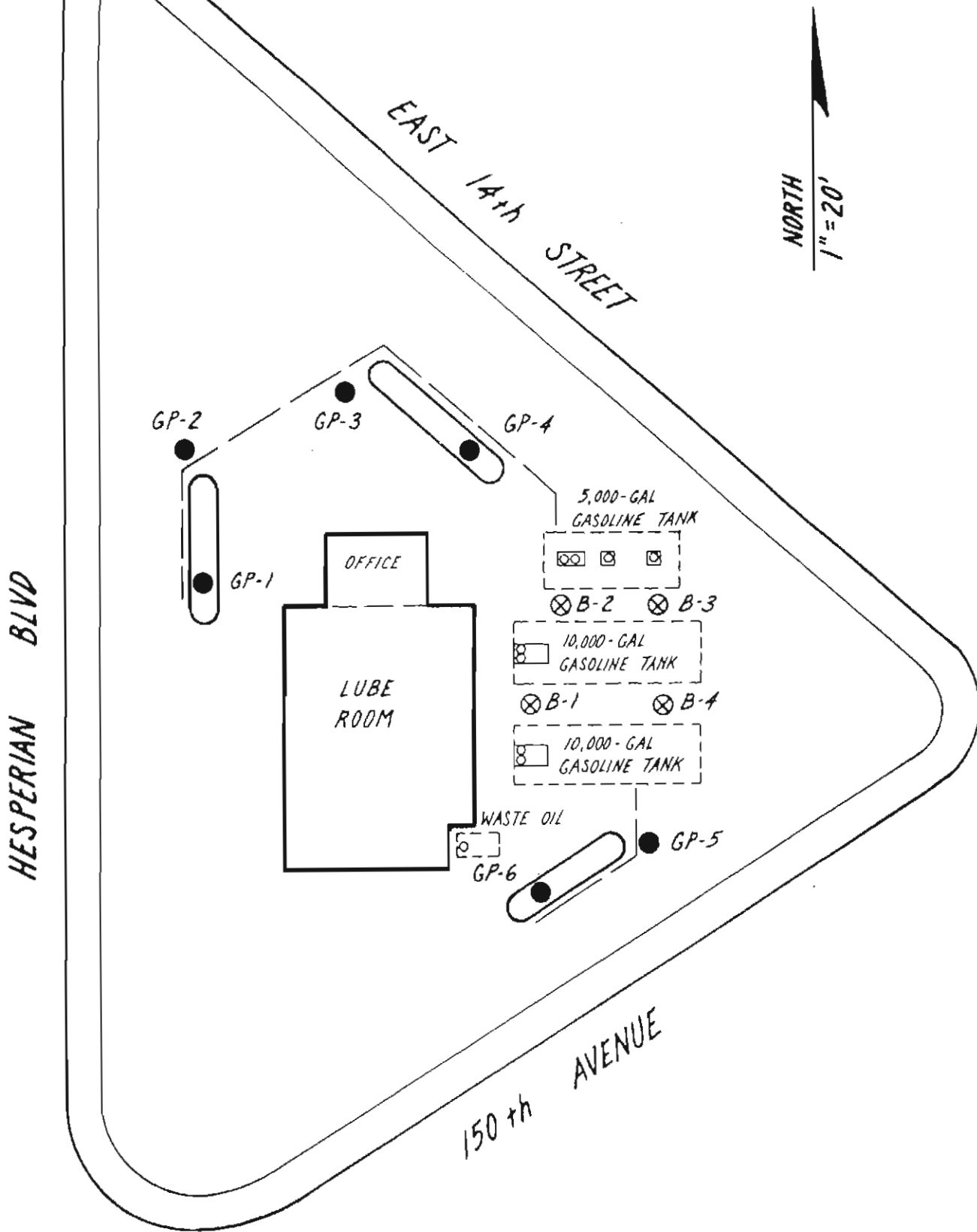
Garry A. Loeffler;

ATTACHMENT B

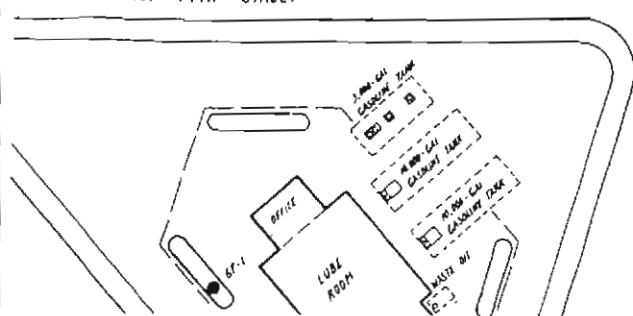
Boring Logs

LEGEND

- RECENT "GEOPROBE" LOCATION
- ⊗ PREVIOUS SOIL BORING



LOCATION OF BORING
EAST 14th STREET



PROJECT NAME & LOCATION

QUALITY TUNE-UP, SAN LEANDRO

DRILLING METHOD:

GEOPROBE

BORING

GP-1

SHT

1 of 1

SAMPLING METHOD:

DRILLING

START TIME

0950

DATE

12/5/96

WATER LEVEL 11.81' 11.75'

TIME 1025 1155

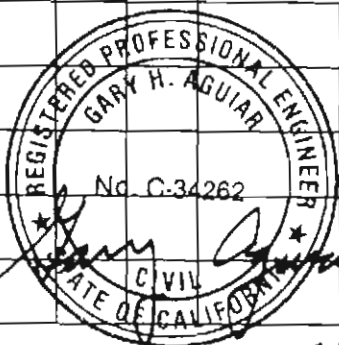
DATE 12/5/96 12/5/96

CASING DEPTH SCREEN

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS
					0	CONCRETE PUMP ISLAND
					1	BLACK CLAYEY SILT (ML), DRY, VERY CLAYEY, SLIGHTLY STIFF.
					2	(NO ODOR)
					3	
					4	BLACK SILTY CLAY (CL), DRY, VERY SILTY, STIFF.
				1003	5	(NO ODOR)
					6	BRN CLAY (CL), DRY, MODERATELY SANDY, FINE GRAIN SAND.
					7	
					8	BRN SAND (SM), DRY, CRUMBLY, VERY FINE GRAIN, SLIGHTLY CLAYEY.
					9	(NO ODOR)
				1010	10	GRAY SILTY CLAY (CL), SLIGHTLY MOIST, SLIGHTLY SILTY, MODERATE PLASTICITY, BLACK STREAKS.
					11	(GASOLINE ODOR)
					12	
					13	
					14	GRAY CLAYEY SAND (SC), VERY MOIST, FINE GRAINED, SOFT, MODERATELY CLAYEY.
				1015	15	(GASOLINE ODOR)
					16	DK GRAY CLAY (CH), SLIGHTLY MOIST, HIGH PLASTICITY.
					17	
					18	
					19	
					20	

SURFACE CONDITIONS:

WATER SAMPLE COLLECTED @ 1045

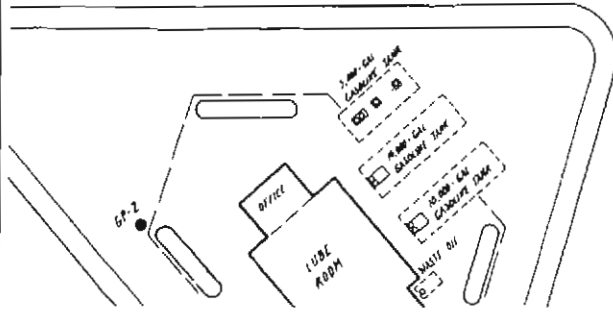


EXP. 9-30-99

HAGEMAN - AGUIAR, INC.

TOTAL DEPTH = 16' BGS

LOCATION OF BORING
EAST 14th STREET



PROJECT NAME & LOCATION QUALITY TUNE-UP, SAN LEANDRO	
DRILLING METHOD: GEOPROBE	BORING GP-2
SAMPLING METHOD:	SHT 1 of 1
DRILLING	
WATER LEVEL	11.56'
TIME	1155
DATE	12/5/96
CASING DEPTH	SCREEN
START TIME	1030
FINISH TIME	1100
START DATE	12/5/96
FINISH DATE	12/5/96

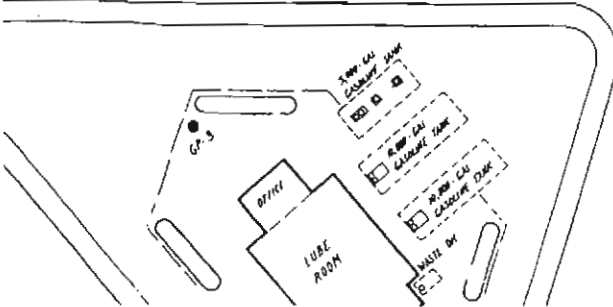
SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0	ASPHALT	
					1	BLACK CLAYEY SILT (ML), DRY, CRUMBLY, MODERATELY CLAYEY.	
					2		
					3	(NO ODOR)	
					4	BRN CLAYEY SILT (ML), DRY, CRUMBLY, VERY CLAYEY.	
			1038		5	(NO ODOR)	
					6		
					7	BRN SILTY SAND (SM), DRY, LOOSE, VERY FINE GRAINED.	
					8	(NO ODOR)	
					9		
			1042		10	BRN SILTY CLAY (CL), SLIGHTLY MOIST, MODERATELY SILTY, MODERATE PLASTICITY.	
					11	(NO ODOR)	
					12		
					13	→ BECOMES SOFT, SATURATED	
					14		
					15	GRAY SILTY CLAY (CH), MOIST, HIGH PLASTICITY.	
			1050		16	(NO ODOR)	
					17		
					18		
					19		
					20		
							TOTAL DEPTH = 16 FEET BGS



EXP. 9-30-99

HAGEMAN - AGUIAR, INC.

LOCATION OF BORING
EAST 14th STREET



PROJECT NAME & LOCATION

QUALITY TUNE-UP, SAN LEANDRO

DRILLING METHOD:

GEOPROBE

BORING

GP-3

SHT

1 of 1

SAMPLING METHOD:

DRILLING

START FINIS

TIME TIME

1115 1140

DATE DATE

12/5/96 12/5/96

WATER LEVEL 11.48'

TIME 1155

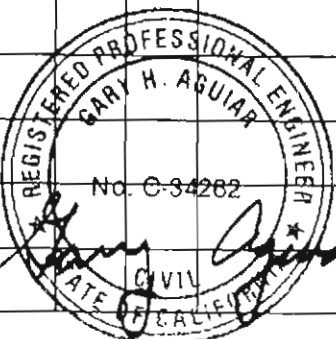
DATE 12/5/96

CASING DEPTH

SCREEN

SURFACE CONDITIONS:

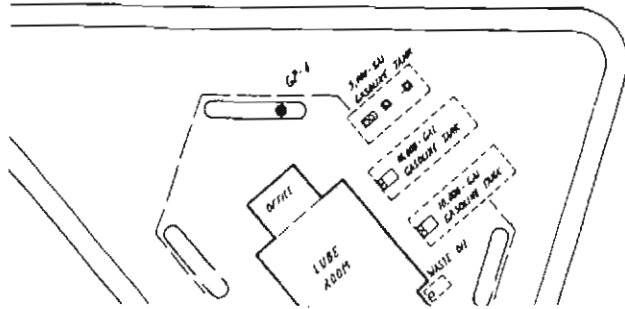
SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	DESCRIPTION
					0		ASPHALT
					1		BRN GRAVEL BASEROCK
					2		BLACK CLAYEY SILT (ML), DRY, CRUMBLY, SLIGHTLY CLAYEY, (NO ODOR)
					3		
					4		BRN CLAYEY SILT (ML), DRY, CRUMBLY, SLIGHTLY CLAYEY, (NO ODOR)
			1123		5		
					6		
					7		
					8		BRN SILTY SAND (SM), SLIGHTLY MOIST, LOOSE, VERY FINE GRAINED, MODERATELY SILTY, (NO ODOR)
					9		
				1130	10		→ BECOMES SOFT, MOIST
					11		BRN SILTY CLAY (CL), SLIGHTLY MOIST, MODERATE PLASTICITY, MODERATELY SILTY, (NO ODOR)
					12		
					13		→ SATURATED, SOFT
					14		
			1136		15		GRAY CLAY (CH), MOIST, HIGH PLASTICITY.
					16		
					17		
					18		
					19		
					20		TOTAL DEPTH = 16 FEET BGS



EXP. 9-30-99

HAGEMAN - AGUIAR, INC.

LOCATION OF BORING
EAST 14th STREET



PROJECT NAME & LOCATION

QUALITY TUNE-UP, SAN LEANDRO

DRILLING METHOD:

GEOPROBE

BORING

GP-4

SHT

1 of 1

SAMPLING METHOD:

DRILLING

WATER LEVEL 11.48'

TIME 1230

DATE 12/5/96

CASING DEPTH

SCREEN

START TIME

1145

FINISH TIME

1210

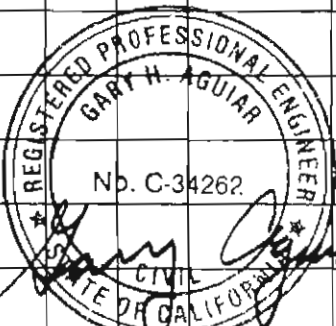
DATE

12/5/96

DATE

12/5/96

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS
					0		CONCRETE PUMP ISLAND
					1		BLACK CLAYEY SILT (ML), DRY, CRUMBLY, MODERATELY CLAYEY, (NO ODOR)
					2		
					3		
					4		BRN SILT (ML), DRY, CRUMBLY, SLIGHTLY CLAYEY. (NO ODOR)
				1152	5		
					6		
					7		BRN SAND (SM), SLIGHTLY MOIST, CRUMBLY, VERY FINE GRAINED, VERY SILTY. (NO ODOR)
					8		
					9		
				1200	10		GRAY SILTY CLAY (CL), SLIGHTLY MOIST, LOW PLASTICITY.
					11		
					12		→ BECOMES SOFT, MOIST
					13		
					14		DK GRAY CLAYEY SAND (SC), SATURATED, SOFT, FINE GRAINED SAND, MODERATELY CLAYEY. (GASOLINE ODOR)
				1207	15		
					16		GRAY SILTY CLAY (CL), SATURATED, SOFT, VERY SILTY.
					17		
					18		TOTAL DEPTH = 16 FEET BGS
					19		
					20		

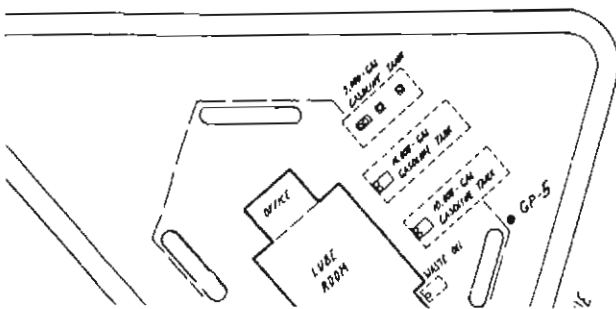


EXP. 9-30-99

HAGEMAN - AGUIAR, INC.

LOCATION OF BORING

EAST 14th STREET



PROJECT NAME & LOCATION

QUALITY TUNE-UP, SAN LEANDRO

DRILLING METHOD:

GEOPROBE

BORING

GP-5

SHT

1 of 1

SAMPLING METHOD:

DRILLING

START FINIS

TIME TIME

1215 1230

DATE DATE

12/5/96 12/5/96

WATER LEVEL 11.18'

TIME 1235

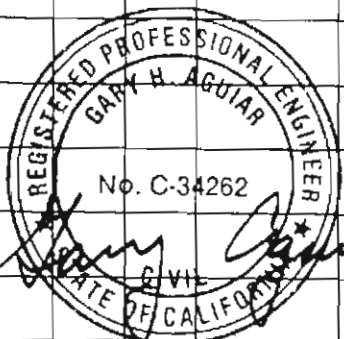
DATE 12/5/96

CASING DEPTH

SCREEN

SURFACE CONDITIONS:

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	DESCRIPTION
					0		ASPHALT
					1		SAND & GRAVEL (FILL)
					2		BLACK SILT (ML), DRY, MODERATELY CLAYEY, CRUMBLY.
					3		(NO ODOR)
					4		BRN SILT (ML), DRY
				1220	5		(NO ODOR)
					6		BRN SAND (SM), DRY, SLIGHTLY LOOSE, VERY SILTY, VERY FINE GRAIN.
					7		BRN CLAYEY SILT (ML), SLIGHTLY MOIST, CRUMBLY.
					8		(NO ODOR)
				1225	10		BRN CLAYEY SAND (SC), SATURATED, FINE GRAIN, SOFT, MODERATELY CLAYEY.
					11		(NO ODOR)
					12		DK GRAY CLAY (CH), MOIST, HIGH PLASTICITY, MODERATELY SILTY.
				1230	15		(NO ODOR)
					16		TOTAL DEPTH = 16 FEET BGS
					17		
					18		
					19		
					20		

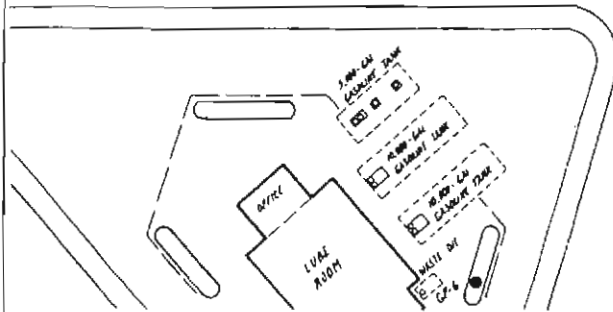


EXP. 9-30-99

HAGEMAN - AGUIAR, INC.

LOCATION OF BORING

EAST 14th STREET



PROJECT NAME & LOCATION

QUALITY TUNE-UP, SAN LEANDRO

DRILLING METHOD:

GEOPROBE

BORING

GP-6

SHT

1 of 1

SAMPLING METHOD:

DRILLING

WATER LEVEL 11.40'

TIME 1255

DATE 12/5/96

CASING DEPTH

SCREEN

START TIME

1235

DATE 12/5/96

FINISH TIME

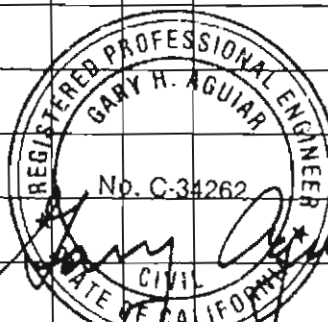
1300

SURFACE CONDITIONS:

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	DESCRIPTION
					0		CONCRETE PUMP ISLAND
					1		BLACK CLAYEY SILT (ML), DRY, CRUMBLY, MODERATELY CLAYEY.
					2		
					3		(NO ODOR)
					4		BRN CLAYEY SILT (ML), DRY, CRUMBLY, MODERATELY CLAYEY.
				1235	5		(NO ODOR)
					6		
					7		BRN SAND (SM), DRY, LOOSE, VERY FINE GRAIN, MODERATELY SILTY, SLIGHTLY CLAYEY.
					8		(NO ODOR)
					9		
				1240	10		BRN SILTY CLAY (CL), DRY, VERY SILTY, CRUMBLY, RED STREAKS.
					11		(NO ODOR)
					12		GRAY SILTY CLAY (CL), SLIGHTLY MOIST, SLIGHTLY CRUMBLY, VERY SILTY.
					13		(GASOLINE ODOR)
					14		GRAY CLAYEY SAND (SC), SATURATED, FINE GRAIN, SOFT, VERY CLAYEY.
					15		(GASOLINE ODOR)
				1245	16		DK GRAY CLAY (CH), MOIST, HIGH PLASTICITY, (SLIGHT GASOLINE ODOR)
					17		
					18		
					19		
					20		
							TOTAL DEPTH = 16 FEET BGS

WATER SAMPLE

COLLECTED @ 1255



EXP. 9-30-99

HAGEMAN - AGUIAR, INC.

LOCATION OF BORING

PROJECT NAME & LOCATION

14901 EAST 14th STREET, SAN LEANDRO

DRILLING METHOD:

6" HOLLOW STEM AUGER

BORING

B-1

SAMPLING METHOD:

2" SPLIT BARREL SAMPLER WITH BRASS LINERS

SHT

1 of 1

DRILLING

START FINISH

TIME TIME

0815 0840

DATE DATE

10/15/93 10/15/93

WATER LEVEL 13.2'

TIME 0930

DATE 10/15/93

CASING DEPTH

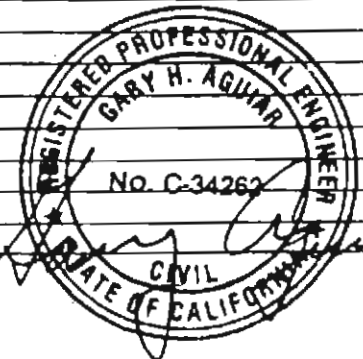
SCREEN

SEE SITE MAP

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		ASPHALT
					1		RED-BRN CLAYEY GRAVEL (BASEROCK), LOOSE, ANG & SUB-ANG TO 2"
					2		BLACK CLAY (CL), SLIGHTLY MOIST (NO ODOR)
					3		BRN SILTY CLAY (CL), SLIGHTLY MOIST, SOFT.
2" SPLIT	18	8	4/5/5	0825	5		(SLIGHT PETROLEUM ODOR) PID = 250 PPM
					6		
					7		
					8		
2" SPLIT	18	14	4/5/11	0832	10		GREY-BRN CLAY (CL), MOIST, GREY COLOR WITH RED-BRN STREAKS, LOW TO MOD. PLASTICITY. (PETROLEUM ODOR)
					11		
					12		
					13		
2" SPLIT	18	18	6/6/8	0840	15		SAME, SATURATED, LOW TO MOD. PLASTICITY, VARIEGATED LT GREY & BRN COLOR, SLIGHTLY STICKY, (SLIGHT PETROLEUM ODOR) PID = 95 PPM
					16		TOTAL DEPTH = 15 1/2' BLS
					17		
					18		
					19		
					20		

HAGEMAN - AGUIAR, INC.



LOCATION OF BORING

SEE SITE MAP

PROJECT NAME & LOCATION

14901 EAST 14th, SAN LEANDRO

DRILLING METHOD:

6" HOLLOW STEM AUGERS

BORING

B-2

SAMPLING METHOD:

2" SPLIT BARREL SAMPLER WITH BRASS LINERS

SHT

1 of 1

DRILLING

START FINISH

TIME TIME

0900 0930

DATE DATE

10/15/93 10/15/93

WATER LEVEL 13.2

TIME 1030

DATE 10/15/93

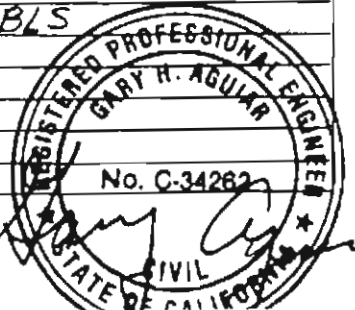
CASING DEPTH

SCREEN

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		ASPHALT
					1		GREY SAND & GRAVEL (BASE ROCK), DRY, LOOSE, ANG + SUB-ANGULAR TO 1,
					2		BLACK CLAY (CL), SLIGHTLY MOIST, MODERATE PLASTICITY, (NO ODOR)
					3		
					4		
2" SPLIT	18	18	6/7/10	0900	5		BRN SILTY CLAY (CL), SLIGHTLY MOIST, SLIGHTLY CRUMBLY, MOD. % VERY FINE SAND, (NO ODOR)
					6		
					7		
					8		
					9		
2" SPLIT	18	14	5/5/7	0915	10		GREY-BRN CLAY (CL), SLIGHTLY MOIST, MODERATELY SILTY, LOW TO MOD. PLASTICITY, OCCASIONAL BLACK STREAKS THROUGHOUT, (NO ODOR) PID = 123 PPM
					11		
					12		
					13		
					14		
2" SPLIT	18	18	5/6/7	0925	15		SAME, SATURATED, MODERATE PLASTICITY, SLIGHTLY SILTY, VARIEGATED LT GREY + BRN (SLIGHT PETROLEUM ODOR) PID = 140 PPM
					16		
					17		
					18		
					19		
					20		TOTAL DEPTH = 15 1/2' BLS

HAGEMAN - AGUIAR, INC.



LOCATION OF BORING

SEE SITE MAP

PROJECT NAME & LOCATION

14901 EAST 14th STREET, SAN LEANDRO

DRILLING METHOD:

6" HOLLOW STEM AUGER

BORING

B-3

SAMPLING METHOD:

2" SPLIT BARREL SAMPLER WITH BRASS LINERS

SHT

1 of 1

DRILLING

START FINISH

WATER LEVEL 13.1'

TIME 1100

DATE 10/15/93

TIME TIME

0930 1005

DATE DATE

10/15/93 10/15/93

SCALE: 1" =

CASING DEPTH

SCREEN

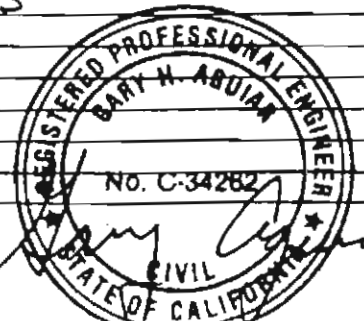
SURFACE CONDITIONS:

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	DESCRIPTION
					0		ASPHALT
					1		GREY SAND & GRAVEL (BASEROCK)
					2		BLACK CLAY (CL), NEARLY DRY, MODERATE PLASTICITY, SLIGHTLY SILTY, OCCASIONAL FINE SAND.
					3		(NO ODOR)
					4		BRN CLAYEY SAND (SC), SLIGHTLY MOIST, SLIGHT TO MOD. CLAYEY, SAND FINE TO MEDIUM GRAIN.
2" SPLIT	18	11	3/7/10	0950	5		(NO ODOR)
					6		
					7		
					8		
					9		GREY-BRN CLAY (CL), SLIGHTLY MOIST, SLIGHTLY CRUMBLY, MOD. SILTY, LOW TO MOD. PLASTICITY, OCCASIONAL THIN BLACK STREAKS THROUGHOUT.
2" SPLIT	18	12	3/5/7	1000	10		(NO ODOR)
					11		
					12		
					13		
					14		
2" SPLIT	18	18	5/7/11	1005	15		SAME, SATURATED, MOD. STIFF, MODERATE PLASTICITY, VARIEGATED LT GREY & BRN COLOR.
					16		(SLIGHT PETROLEUM ODOR)
					17		
					18		
					19		
					20		

TOTAL DEPTH = 15 1/2' BLS

PID = 150 PPH

HAGEMAN - AGUIAR, INC.



LOCATION OF BORING

SEE SITE MAP

PROJECT NAME & LOCATION

14901 EAST 14th STREET, SAN LEANDRO

DRILLING METHOD:

6" HOLLOW STEM AUGER

BORING

B-4

SHT

1 of 1

SAMPLING METHOD:

2" SPLIT BARREL SAMPLER WITH BRASS LINERS

DRILLING

START FINISH

WATER LEVEL 13'

TIME 1045

DATE 10/15/93

TIME 1020

TIME 1045

DATE 10/15/93

DATE 10/15/93

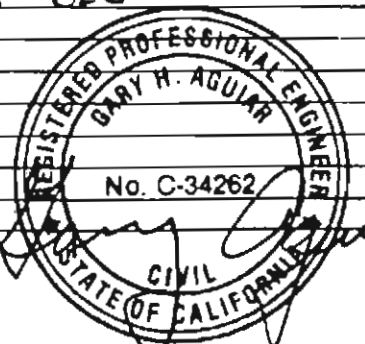
CASING DEPTH

SCREEN

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		ASPHALT
					1		BRN SAND & GRAVEL (BASEROCK), ANGULAR, GRADED 1/8" TO 1/2"
					2		
					3		BLACK CLAY (CL), SLIGHTLY MOIST, MODERATE PLASTICITY, (NO ODOR)
					4		
2" SPLIT	18	10	5/8/8	1030	5		BRN CLAYEY SAND (SC), NEARLY DRY, SLIGHTLY STIFF, MOD. CLAYEY, SAND FINE GRAIN, (NO ODOR)
					6		
					7		
					8		
2" SPLIT	18	14	4/4/5	1040	9		GREY BRN CLAY (CL), SLIGHTLY MOIST, SOFT, VARIEGATED LT GREY & BRN COLOR, OCCASIONAL THIN BLACK/RED-BRN STREAKS THROUGHOUT, (NO ODOR) PID = 60 PPM
					10		
					11		
					12		
					13		
2" SPLIT	18	15	5/7/10	1045	14		SAME, SATURATED, SLIGHTLY STIFF, LOW TO MOD. PLASTICITY, VARIEGATED LT GREY & BRN COLOR, (SL. PETROLEUM ODOR)
					15		
					16		
					17		
					18		
					19		
					20		

TOTAL DEPTH = 15 1/2' BLS



HAGEMAN - AGUIAR, INC.

ATTACHMENT C

Analytical Results: Soil

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME <i>QUALITY TUNE-UP</i>		NAME OF OPERATOR <i>FRANK JACIENTO</i>		
ADDRESS <i>14901 E. 14TH STREET</i>		NEAREST CROSS STREET <i>HESPERIAN</i>	PARCEL # (OPTIONAL) <i>510-276-0727</i>	
CITY NAME <i>SAN LEANDRO</i>		STATE <i>CA</i>	ZIP CODE <i>94527</i>	SITE PHONE # WITH AREA CODE
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL AGENCY DISTRICTS* <input type="checkbox"/> COUNTY AGENCY* <input type="checkbox"/> STATE AGENCY* <input type="checkbox"/> FEDERAL AGENCY*				
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST _____				
TYPE OF BUSINESS		<input type="checkbox"/> 1 GAS STATION	<input type="checkbox"/> 2 DISTRIBUTOR	<input type="checkbox"/> 3 FARM
		<input type="checkbox"/> 4 PROCESSOR	<input checked="" type="checkbox"/> 5 OTHER	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE
		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE <i>4</i>	E. P. A. I. D. # (optional)

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) <i>HAGGMAN BRUCE</i>	PHONE # WITH AREA CODE <i>(510) 284-1661</i>	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) <i>HAGGMAN BRUCE</i>	PHONE # WITH AREA CODE <i>(510) 284-1661</i>	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME <i>DIANA PAGANO</i>		CARE OF ADDRESS INFORMATION <i>6912 BROADWAY TERRACE, OAK.</i>		
MAILING OR STREET ADDRESS <i>6912 BROADWAY TERRACE</i>		<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> LOCAL AGENCY
		<input type="checkbox"/> CORPORATION	<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> COUNTY AGENCY
CITY NAME <i>OAKLAND</i>		STATE <i>CA</i>	ZIP CODE <i>94611</i>	PHONE # WITH AREA CODE <i>(510) 547-0581</i>

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER <i>DIANA PAGANO</i>		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <i>6912 BROADWAY TERRACE</i>		<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> LOCAL AGENCY
		<input type="checkbox"/> CORPORATION	<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> COUNTY AGENCY
CITY NAME <i>OAKLAND</i>		STATE <i>CA</i>	ZIP CODE <i>94611</i>	PHONE # WITH AREA CODE <i>(510) 547-0581</i>

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ *44* - [] [] [] [] [] [] [] []

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 00 OTHER	<i>UST FUND</i>

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I II III

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) <i>DIANA PAGANO BY Bruce Haggman</i>	OWNER'S TITLE	DATE MONTH/DAY/YEAR <i>9/9/97</i>
---	---------------	--------------------------------------

LOCAL AGENCY USE ONLY

COUNTY # [] []	JURISDICTION # [] [] []	FACILITY # [] [] [] [] [] []
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 6 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 8 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME <i>QUALITY TUNE-UP</i>		NAME OF OPERATOR		
ADDRESS <i>14901 E. 14TH STREET</i>		NEAREST CROSS STREET <i>HESPERIAN</i>	PARCEL # (OPTIONAL)	
CITY NAME <i>SAN LEANDRO</i>		STATE <i>CA</i>	ZIP CODE <i>94577</i>	SITE PHONE # WITH AREA CODE
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL AGENCY DISTRICTS* <input type="checkbox"/> COUNTY AGENCY* <input type="checkbox"/> STATE AGENCY* <input type="checkbox"/> FEDERAL AGENCY*				
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST _____				
TYPE OF BUSINESS		IF INDIAN RESERVATION OR TRUST LANDS		E. P. A. L. D. # (optional)
<input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS		<i>4</i>

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) <i>HAGEMAN BRUCE</i>		PHONE # WITH AREA CODE <i>(510) 284-1661</i>		DAYS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE	
NIGHTS: NAME (LAST, FIRST) <i>HAGEMAN BRUCE</i>		PHONE # WITH AREA CODE <i>(510) 284-1661</i>		NIGHTS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE	

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME <i>DIANA PAGANO</i>		CARE OF ADDRESS INFORMATION <i>6912 BROADWAY TERRACE, OAK.</i>		
MAILING OR STREET ADDRESS <i>6912 BROADWAY TERRACE</i>		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> STATE AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY AGENCY <input type="checkbox"/> FEDERAL AGENCY		
CITY NAME <i>OAKLAND</i>		STATE <i>CA</i>	ZIP CODE <i>94611</i>	PHONE # WITH AREA CODE <i>(510) 547-0581</i>

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER <i>DIANA PAGANO</i>		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <i>6912 BROADWAY TERRACE</i>		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> STATE AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY AGENCY <input type="checkbox"/> FEDERAL AGENCY		
CITY NAME <i>OAKLAND</i>		STATE <i>CA</i>	ZIP CODE <i>94611</i>	PHONE # WITH AREA CODE <i>(510) 547-0581</i>

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ -

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 7 OTHER	<i>UST FUND</i>

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. II. III.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) <i>DIANA PAGANO BY DAVID HEGAN</i>	OWNER'S TITLE	DATE MONTH/DAY/YEAR <i>9/9/97</i>
---	---------------	--------------------------------------

LOCAL AGENCY USE ONLY

COUNTY # <input type="text" value=""/> <input type="text" value=""/>	JURISDICTION # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	FACILITY # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS



Testing Engineers, Inc.

Quality Assurance Services
 Materials Consulting
 Since 1954

PROJECT NO: 38319		TYPE OF INSPECTION		PLACE OF INSPECTION	
PROJECT NAME: John's Excavating, Misc. 14901 E 14th St. San Leandro		Nuclear Density		Jobsite	
		WORK REQUEST: H6126		ZONE:	
DATE:	9-26-97				
HOURS:	4				
INSPECTOR:	Glasser				

Reported to: Mr. John Paulson Company: Johns Excavating
 Feature: Tank Pit Backfill
 Field Test Procedure: ASTM D2922 & D3017 Lab Test Procedure: ASTM D1557

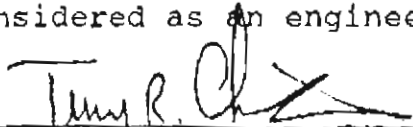
MATERIAL DESCRIPTION	MOIST.	MAX. DENSITY	LAB REF.
1. Grey gravelly sand (Quarry fines Dumbarton)	7.0%	2.16 g/cc	Supplied Client

Location	FIELD TEST RESULTS					
	Elev.	Curve No.	Field Dens. g/cc	Field Moist. g/cc	Rel. Comp. %	Pr S
1. North end of pit	-4'FG*	1	2.06	7.8	95	
2. West side of pit	-4'FG	1	2.05	6.8	95	
3. South end of pit	-3'FG	1	2.06	7.3	95	
4. East side of pit	-3'FG	1	2.05	7.3	95	
5. West of center	-2'FG	1	2.06	6.3	95	
6. East of center	-2'FG	1	2.05	6.8	95	
7. North of center	FSG**	1	2.05	5.9	95	
8. South of center	FSG	1	2.13	5.6	99	

* FG = Finish Grade
 ** FSG = Finish Sub-grade

NOTE: Test results constitute the reporting of factual information derived from test(s) made by our laboratory following prescribed procedures. These test results should not be considered as an engineering opinion with respect thereto.

Reviewed by


 Terry R. Chiccino, Soils/Asphalt
 Field Operations Manager

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAE001151216 Manifest Document No. 15774 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
D. J. ...

A. State Manifest Document Number
96415744

4. Generator's Phone () 510-235-1581

B. State Generator's ID

5. Transporter 1 Company Name Ex ... 6. US EPA ID Number CAE00107464371

C. State Transporter's ID

D. Transporter's Phone (510) 235-1993

7. Transporter 2 Company Name _____ 8. US EPA ID Number _____

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ESTERSON ...
259 Park Blvd.
Richmond, Cal. 94801

G. State Facility's ID

H. Facility's Phone (510) 235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol

a. Non-Hazardous Waste Solid
Waste Empty Storage Tank.

No.	Type	Quantity	Unit Wt/Vol	Waste Number
<u>001</u>	<u>T F</u>	<u>12500</u>	<u>F</u>	<u>State 512</u>
				<u>EPA/TXNE</u>

b. _____

No.	Type	Quantity	Unit Wt/Vol	Waste Number
				State
				EPA/Other

c. _____

No.	Type	Quantity	Unit Wt/Vol	Waste Number
				State
				EPA/Other

d. _____

No.	Type	Quantity	Unit Wt/Vol	Waste Number
				State
				EPA/Other

1. Additional Descriptions for Materials Listed Above
Qty. 4 Empty Storage Tank(s) # 2022, 2022
22000 Tank(s) have been inerted with 15
lbs. Dry Ice Per 1000 Gallon Capacity.

K. Handling Codes for Wastes Listed Above

a.	b.
c.	d.

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around
U.G.S.'s 24 Hr. Contact Name: E. ... Phone: 510-235-1993

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA000115121615765		Manifest Document No. 65		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address 2912						A. State Manifest Document Number 96415765									
4. Generator's Phone (510) 547-0581						B. State Generator's ID									
5. Transporter 1 Company Name Eichman Inc.				6. US EPA ID Number CA0009466392		C. State Transporter's ID									
7. Transporter 2 Company Name						D. Transporter's Phone 3091944-1181									
7. Transporter 2 Company Name						E. State Transporter's ID									
9. Designated Facility Name and Site Address Eichman Inc. 250 Park Blvd. Eichman, CA, 94801						10. US EPA ID Number C2L000966003		F. Transporter's Phone							
9. Designated Facility Name and Site Address						G. State Facility's ID									
9. Designated Facility Name and Site Address						H. Facility's Phone (510) 235-1393									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. EMPTY STORAGE TANKS						12. Containers		13. Total Quantity		14. Unit					
						No.	Type	Quantity		Wt/Vol					
Waste - Empty Storage Tanks						002	TF	105800		P					
b.										State					
c.										EPA/Other					
d.										State					
d.										EPA/Other					
15. Additional Descriptions for Materials Listed Above Qty. 2 Empty Storage Tank(s) # 10111 10115 Tank(s) have been inerted with 15 lbs. Dry Ice Per 1000 Gallon Capacity.						K. Handling Codes for Wastes Listed Above									
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hat. Urns when walking around U.S.P. 24 Hr. Contact Name: ... Phone: 1-800-222-0978															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name ...				Signature ...				Month 11		Day 16		Year 88			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name ERIAN L. MCKELLEY		Signature ...		Month 09		Day 16		Year 97	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month		Day		Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name				Signature				Month		Day		Year			

DO NOT WRITE BELOW THIS LINE.

CALIFORNIA WITH CALIFORNIA, CALL 1-800-632-7550
 RESERVE CENTER 1-800-24-8888
 SPILLAGE ATTENTION
 FACILITY

Reviewed By KB
 Approval Date _____
 Rejection Date _____

San Leandro Fire Department
 Hazardous Materials Division
 835 East 14th Street
 San Leandro, CA 94577
 (415) 577-3331

Rev 4/9
 Date Received 9/09
 Fees Paid 720

UNDERGROUND STORAGE TANK CLOSURE PLAN/PERMIT

- Facility Name: QUALITY TUNE-UP Address: 14901 EAST 14th ST. S.L.
 Contact Person: DIANNA PAGANO Phone No.: (510) 547-0561
 Generator's U.S. EPA Number: CAC 001-151-216
- Contractor: TERRI PULLSON License Type & No.: GEN "A" 361 628
 Address: 1128 HILLYARD DRIVE, SANTA RITA, CA, 94501
 Contact Person: BRUCE HAGEMAN Phone No.: (510) 284-1661
- Sampling to be performed by: HAGEMAN-AGUIAR, INC. Phone No.: (510) 284-1661
- Laboratory services to be provided by: PRIORITY ENVIRONMENTAL LABS
 DOHS Certificate No.: _____ Phone No.: _____
- Tank Hauler: ERICKSON ENVIRONMENTAL EPA ID No.: PHD 609466392
 Address: 255 FARR BLVD, RICHMOND, CA Phone No.: (510) 235-1393
 Destination of Tank(s): ERICKSON INC 255 FARR BLVD. RICHMOND, CA
- Method of inerting tank(s): DRY PIPE 30 LBS PER 1000 GAL CAPACITY
- Type of explosimeter or combustible gas meter to be provided: GASTECH
- Tanks to be removed:

	Size	Content	Material of Construction	Age	Sample Analysis Method
Tank 1	10,000	GASOLINE	STEEL w/ fiberglass	25+	TPH, GASOLINE (5030) BTX, MTBE (8020)
Tank 2	10,000	GASOLINE	STEEL	25+	" " "
Tank 3	10,000	GASOLINE	STEEL	25+	" " "
Tank 4	50	WASTE OIL	STEEL	25+	" " "
Piping	2"	GASOLINE	STEEL UNWRAPPED	25+	TPH, GASOLINE (5030) BTX, MTBE (8020)

I acknowledge receipt and agree to comply with the San Leandro Fire Department Underground Storage Tank Closure Requirements. I declare under penalty of perjury that the aforementioned information is true and correct, to the best of my knowledge.

Company Name: HAGEMAN-AGUIAR, INC. Address: 3732 MT. DIABLO BLVD. LAFAYETTE

Applicant's Signature [Signature] Date 8-22-97

Number of Tanks Removed 4 Inspector [Signature] Date 9/10/97

- o Soil aerations do not require a BAAQMD permit unless the project exceeds three months time or if an alternative method to spreading the soil for evaporation will be used.
- o Revisions to the information stated in this notice may be made by telephone.
- o If the project is delayed (for no more than five working days), you may notify the District by telephone of the new startup date.

INSTRUCTIONS:

Specific Location of Project: Indicate where the tank removal or soil excavation is taking place.

- Examples: Northwest corner of Gas Station lot
- Pit D of South Excavation area
- Fuel storage area north of Auxiliary Road

Scheduled Startup Date: Indicate a correct and accurate startup date, not a prospective date. If this date is delayed (by no more than five working days) telephone the District at (415) 771-6000, extension 300, to report the new startup date.

Tank Removal: Indicate what type method will be used to remove vapors after tank is emptied of product. (Tanks must have all liquids and sludges removed to the extent possible before decommissioning.)

Soil Excavation: Indicate whether contaminated soil stockpile is covered. Indicate the average degree of contamination of the stockpile (samples taken from the pile, not from excavated hole). Indicate how many cubic yards are to be spread daily (see Table I in Section 8-40-301 for limitations). If an alternative method of aeration will be used (e.g., forced air), briefly describe.

Contractor Information: Indicate the name, address, appropriate contact person and phone number of the contractor performing and responsible for the tank removal and/or soil excavation.

Consultant Information: If applicable, indicate the name, address, appropriate contact person and phone number of any environmental consultant used.

Return this form to:

Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Enforcement Division



**BAY AREA AIR QUALITY
MANAGEMENT DISTRICT**

339 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

9-11-97

SITE INFORMATION

SITE ADDRESS 14901 E. 14TH STREET
 CITY, STATE, ZIP SAN LEANIDRO, CA 94577
 OWNER NAME DIANA PAGANO
 SPECIFIC LOCATION OF PROJECT N.W.C. E. 14TH ST AT HESPERIAN

TANK REMOVAL

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE 9-15-97 SCHEDULED STARTUP DATE 9-16-97
 VAPORS REMOVED BY: DATE CHANGE STOCKPILES WILL BE COVERED? YES NO
 WATER WASH ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
 VAPOR FREEING (CO₂)
 VENTILATION (MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME JOHN'S EXCAVATING CONTACT JOHN POULSEN
 ADDRESS 1126 HALLWARD DRIVE PHONE (707) 578-1164
 CITY, STATE, ZIP SANTA ROSA, CA 94521

**CONSULTANT INFORMATION
(IF APPLICABLE)**

NAME HAGEMAN-AGUIAR CONTACT BRUCE HAGEMAN
 ADDRESS 3732 MT. DIABLO BLVD PHONE (909) 284-1661
 CITY, STATE, ZIP LAFAYETTE, CA 94549

FOR OFFICE USE ONLY

DATE RECEIVED _____ BY _____ (INIT.) _____
 CC: INSPECTOR NO. _____ DATE _____ BY _____ (INIT.) _____
 TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____
 BAAOMD N # _____

HESPERIAN BLVD

QUALITY TUNE UP
14901 EAST 14TH STREET

EAST 14th STREET

150th AVENUE

LEGEND

- RECENT "GEOPROBE" LOCATION
- ⊗ PREVIOUS SOIL BORING



AREA TO BE PAVED
2" ASPHALT OVER APPROXIMATELY
1600 SQUARE FEET

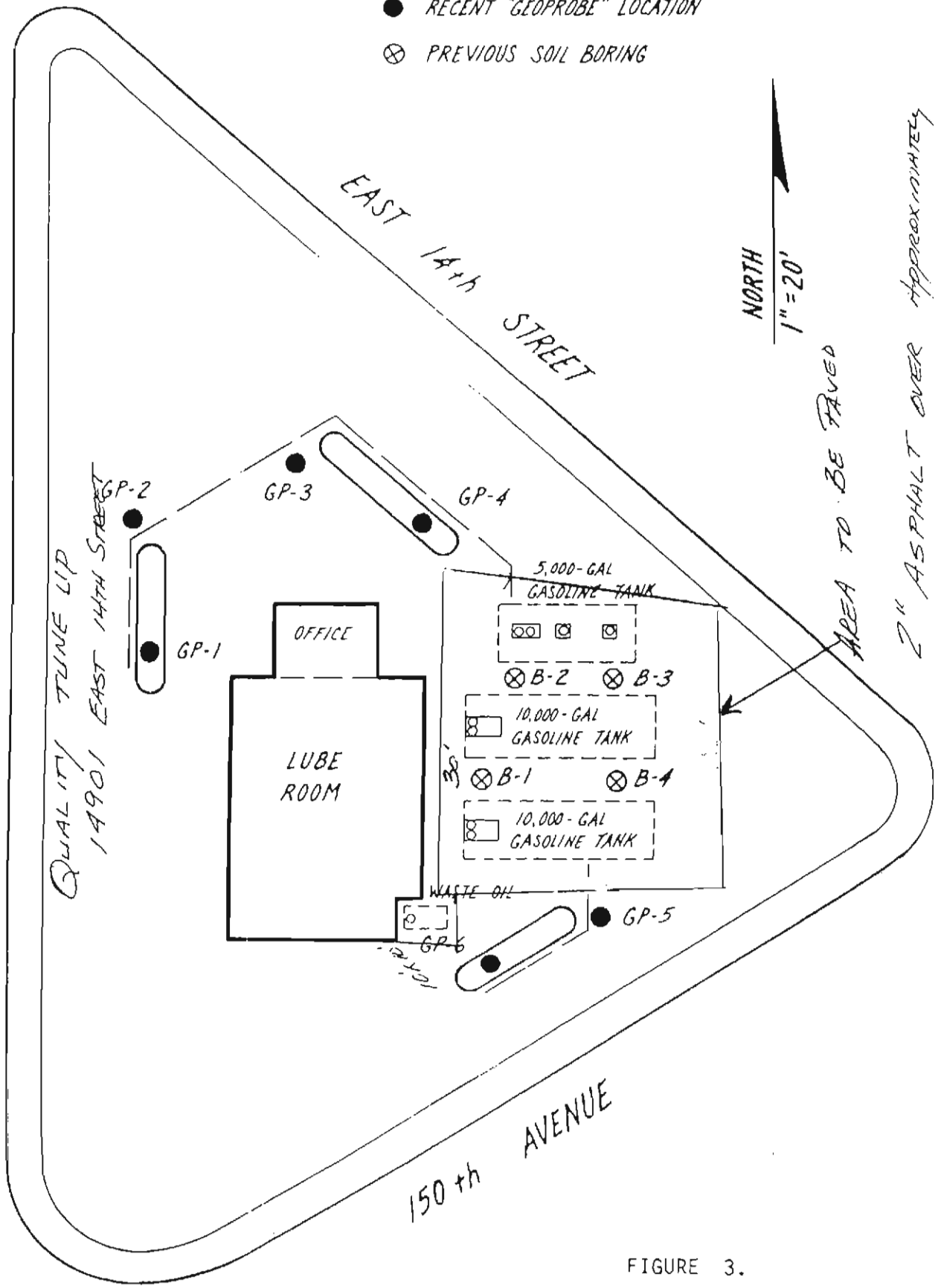


FIGURE 3.
Boring Locations.



SEE MAP

SAN LEANDRO

SR 880

SR 580

SR 238

SR 168

SR 168

SR 168

SR 168

SR 168

SR 168

SR 168

SR 168

SR 168

SR 168

SR 168

General Requirements Applicable For All Grading Work Unless Modified By The City Engineer

The following shall apply to all grading work unless otherwise specified in the Soils Report and Grading Plan by the Applicant's Civil Engineer in Charge which has been approved by the City Engineer or his duly authorized representative.

- 1) Grading, erosion control, sedimentation and pollutant control work shall be done in accordance with plans hereinbefore described
- 2) No grading work shall be done during the wet season (October 15th through April 15th inclusive) unless specifically permitted in writing by the City Engineer
- 3) Temporary erosion and sedimentation control facilities shall be in place and operational prior to October 15th, and shall be diligently maintained to ensure effectiveness through April 15th.
- 4) The hours of grading operations shall be only between 7:00 a.m. to 6:00 p.m. (Monday-Saturday) unless otherwise specified by the City Engineer or his authorized representative. No grading shall be done on Sundays except if authorized by the City Engineer for reason of public safety.
- 5) No Clearing and grubbing shall take place on any site for which a Grading Permit is required prior to the issuance of valid Grading Permit.
- 6) Where a Tree Removal Permit is required, no tree removal shall take place if a Grading Permit is required until both permits have been granted
- 7) No grading shall be approved on properties adjacent to the site being graded without the written permission of the adjacent property owner. Such written permission shall be notarized and acknowledged and presented to the City Engineer as part of the items required with the application for Grading Permit.
- 8) The rate of slope of the surface of permanent fill slopes shall not be steeper than two to one and the rate of slope of permanent cut slopes shall not be steeper than one and one-half to one, unless otherwise recommended in the Soils Report and approved in writing by the City Engineer.
- 9) Drainage facilities shall be provided to convey storm waters to a natural watercourse, swale or other drainage way, or to a public storm drainage system at locations and in a manner satisfactory to the City Engineer. Adequate measures shall be taken to control storm waters during grading operations. The quality of storm water from the site shall be as required in the "Storm Water Management and Discharge Control Program Ordinance." The current "Storm Water Quality Controls for New Developments in Santa Clara Valley and Alameda County," otherwise known as the Best Management Practices Manual, shall serve as a guide to achieving the required storm water quality
- 10) Erosion control shall include planting of all graded areas to be left exposed to the elements in accordance with the planned maintenance of such areas.
- 11) No grading shall be done which will cause sloughing of materials from or onto adjoining property
- 12) Permittee shall not dump, move or place any earth, sand, gravel, rock, stone or other excavated material or debris so as to cause the same to be deposited upon or to roll, flow or wash upon or over any public place or way, or upon or over the premises of another, without the express consent of the owner of such premises so affected.
- 13) Permittee shall not, when hauling any earth, sand, gravel, rock, stone, or other excavated material or debris over any public street, alley or other public place, allow such material to blow, spill, or by any other means be deposited over and upon such street, alley, or place or adjacent private property
- 14) If due to a violation of items 12 and 13 of this section, any earth, sand, gravel, rock, stone or other excavated material or debris is caused to be deposited upon or to roll, flow or wash upon any public place or way, the Permittee shall cause the same to be removed from such public place or way within thirty-six (36) hours of said violation. In the event it is not so removed, the City Engineer shall cause such removal and the cost of such removal by the City Engineer shall be paid to the City by the Permittee who failed to so remove the material
- 15) Permittee shall not excavate on land sufficiently close to the property line to endanger any adjoining public street, sidewalk, alley or other public property without supporting and protecting such public street, sidewalk, alley, or other public property from settling, cracking, or other damage which might result from such excavation. Should the nature of the excavation, in the opinion of the City Engineer, create a hazard to life unless adequately fenced, the Permittee shall construct such fences or guard rails to safeguard persons using the public street, sidewalk, alley or other public property as the City Engineer may require.
- 16) If at any stage of work on an excavation or fill the City Engineer determines by inspection that the nature of the formation is such that further work as authorized by an existing permit is likely to endanger any property or public way the City Engineer may require as a condition to allowing further work to be done that such reasonable safety precautions be taken as the City Engineer considers necessary to avoid such likelihood of danger. Such safety precautions may include, but shall not be limited to, specifying a flatter exposed slope construction of additional drainage facilities, berms, terracing, compaction or cribbing.
- 17) The use of explosives for any grading excavation application is expressly prohibited unless approved in writing by the City Engineer and Fire Marshall
- 18) Prior to commencement of the work, Applicant shall obtain all other permits as required from other regulatory agencies. Such other agencies may include, but are not limited to, OSHA, Bay Area Air Quality Management District (BAAQMD).

**ENGINEERING AND TRANSPORTATION DEPARTMENT
GRADING PERMIT NO. EAG97019
14901 E. 14TH STREET**

Description of work:

Excavate, remove and dispose of five (5) underground storage tanks and backfill, compact and asphalt pave excavated area.

Prior to commencement of any work, the applicant shall comply with the following requirements and conditions:

1. Permittee shall comply to the attached "General Requirements Applicable for all Grading Work Unless Modified by the City Engineer".
2. Erosion and sediment control measures shall be completely in place prior to start of any work and shall be maintain throughout the course of the work, to the satisfaction of the City Engineer.
3. Provide fencing around the construction site and install filter fabric along the bottom three (3) feet of the fence. One (1) foot of the fabric shall be buried in the soil or hay bales can be placed on top of the fabric, adjacent to the fencing, to help keep the fabric in place and filter any runoff.
4. No loading and unloading of trucks is allowed on public streets during the construction operations. If trucks will be loaded on site on an unpaved area, a gravel construction driveway shall be built prior to the start of construction. Contractor shall prevent any dirt, mud, or debris from being tracked onto public streets from the grading and paving operations permitted hereunder.
5. All catch basins within the work area and the nearest off-site catch basin(s) shall be protected with either hay bales, filter fabric, silt sacks or other method as approved by the City Engineer, to prevent silt and debris from entering the on-site and off-site storm drain systems.
6. Water trucks shall be on-site at all times during the construction operations to eliminate dust from migrating off-site.
7. No grading work shall be done during the wet season (October 15 through April 15) unless specifically permitted in writing by the City Engineer.

CITY OF SAN LEANDRO
ENGINEERING AND TRANSPORTATION DEPARTMENT
835 EAST 14th STREET
SAN LEANDRO, CA 94577
(510) 577-3428

EXCAVATION/GRADING PERMIT

Permit Num.: EAG97019

Project Address: 14901 E 14TH ST
Assess. Parcel #: 077D149900100

Issued: 09/09/97
To Expire: 10/14/97
CN: 11247

Job Description: UNDERGROUND STORAGE TANK (5)
REMOVAL AND ASPHALT PAVING

Applicant: DIANA PAGANO
Address : 6912 BROADWAT TERRACE
OAKLAND, CA 94611-1184
Phone : (510) 547-0581

Owner : PAGANO DIANA M
Address: 6912 BROADWAY TR
OAKLAND CA 94611
Phone :

ENGINEER : GARY AGUIAR
3732 MT. DIABLO BLVD.
LAFAYETTE, CA94549
CONTRACTOR : JOHN PAULSON
1128 HALYARD DRIVE
SANTA ROSA, CA 94501

Lic. E 34262 510 284-1661
GARY AGUIAR
Lic. C 361828 707 578-1184
JOHN PAULSON

List of Resp'ble Engr's:
DESIGN ENGINEER (A): GARY AGUIAR
ENG'R FOR GRADING (B): GARY AGUIAR
ENG'R FOR INSP/TEST (C): GARY AGUIAR

Anticipated Start Date : 09-15-97
Anticipated Compl. Date: 09-20-97

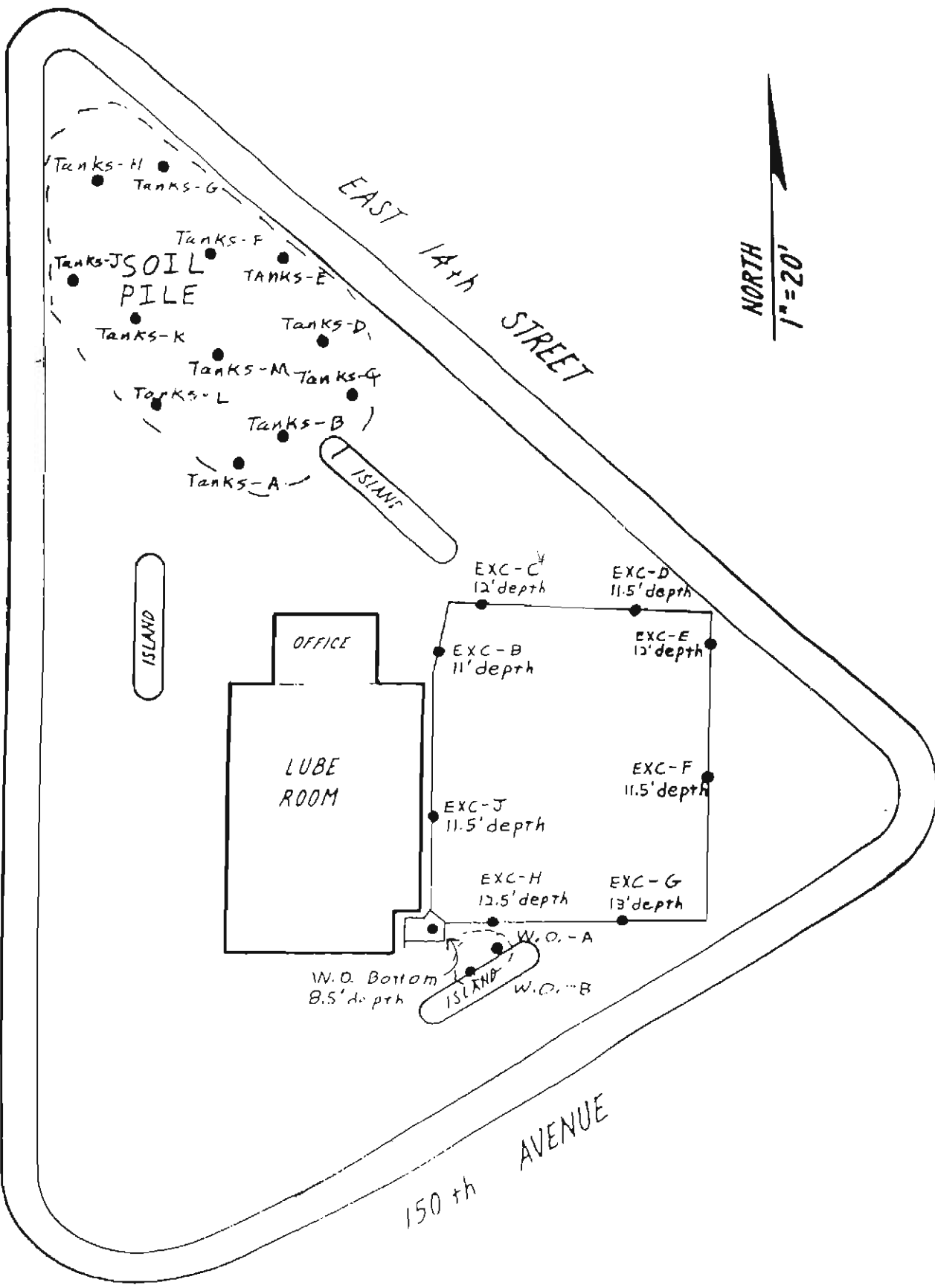
Engineering Inspector : KEN HAMNER ✓
Inspector's Phone No. : (510) 577-3304

Fee description	Units	Fee/Unit	Ext fee	Data
PLAN CHECK AND INSPECTION DEPOSIT				
HOURS REQ'D TO REVIEW (CN _____):	12.00	75.00	900.00	
PERMIT ISSUANCE FEE (ACC'T #3311):			50.00	
TOTAL GRADING PERMIT FEES:			950.00	
		Total Paid:	950.00	
		Credits :	.00	
		Adjustments:	.00	
		BALANCE DUE:	.00	

Applicant Signature: *[Signature]*
Issued for City by : *[Signature]*

Date: SEP 12, 1997
Date: SEP 10, 1997

HESPERIAN BLVD



TANKS-H
TANKS-G

TANKS-F
TANKS-E
SOIL PILE

TANKS-K
TANKS-D
TANKS-M
TANKS-G
TANKS-L
TANKS-B

TANKS-A

ISLAND

ISLAND

OFFICE

LUBE ROOM

EXC-C
12' depth

EXC-D
11.5' depth

EXC-B
11' depth

EXC-E
12' depth

EXC-F
11.5' depth

EXC-J
11.5' depth

EXC-H
12.5' depth

EXC-G
13' depth

W.O. Bottom
8.5' depth

ISLAND
W.O.-A
W.O.-B

150th AVENUE

EAST 14th STREET

NORTH
1" = 20'



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 20, 1997

PEL # 9709032

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: One composited soil sample for RCI analysis.

Project name: Quality - San Leandro

Date sampled: Sep 15, 1997

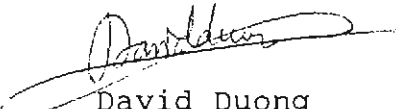
Date submitted: Sep 16, 1997

Date extracted: Sep 18-19, 1997

Date analyzed: Sep 18-19, 1997

RESULTS:

SAMPLE I.D.	REACTIVITY	CORROSIVITY	IGNITABILITY
W.O-A&B	NO	pH 5.2	NO
Blank	NO	pH 7.0	NO
Method of Analysis	Title 22, CCR 66261.23	Title 22, CCR 66261.22	Title 22, CCR 66261.21


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709032

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: One composited soil sample for Cadmium, Chromium, Lead, Nickel, and Zinc analyses.

Project name: Quality - San Leandro

Date sampled: Sep 15, 1997

Date submitted: Sep 16, 1997

Date extracted: Sep 18-22, 1997

Date analyzed: Sep 18-22, 1997

RESULTS:

SAMPLE I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
W,O-A&B	2.0	2.5	4.8	110	18
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection limit	0.50	1.0	0.50	1.0	1.0
Method of Analysis	7130	7190	7420	7520	7950

David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709032

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Project name: Quality-San Leandro
Sample I.D.: W.O- A&B*

Date Sampled: Sep 15, 1997
Date Analyzed: Sep 18-19, 1997

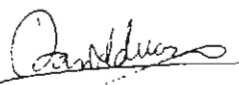
Date Submitted: Sep 16, 1997

Method of Analysis: EPA 8010

Detection limit: 5.0 ug/Kg

COMPOUND NAME	CONCENTRATION (ug/Kg)	SPIKE RECOVERY (%)
Chloromethane	N.D.	-----
Vinyl Chloride	N.D.	-----
Bromomethane	N.D.	-----
Chloroethane	N.D.	-----
Trichlorofluoromethane	N.D.	-----
1,1-Dichloroethene	N.D.	-----
Methylene Chloride	N.D.	91.7
1,2-Dichloroethene (TOTAL)	N.D.	83.2
1,1-Dichloroethane	N.D.	-----
Chloroform	N.D.	-----
1,1,1-Trichloroethane	N.D.	89.9
Carbon Tetrachloride	N.D.	-----
1,2-Dichloroethane	N.D.	-----
Trichloroethene	N.D.	102.8
1,2-Dichloropropane	N.D.	-----
Bromodichloromethane	N.D.	-----
2-Chloroethylvinylether	N.D.	-----
Trans-1,3-Dichloropropene	N.D.	-----
Cis-1,3-Dichloropropene	N.D.	-----
1,1,2-Trichloroethane	N.D.	-----
Tetrachloroethene	N.D.	81.6
Dibromochloromethane	N.D.	-----
Chlorobenzene	N.D.	-----
Bromoform	N.D.	105.3
1,1,2,2-Tetrachloroethane	N.D.	-----
1,3-Dichlorobenzene	N.D.	-----
1,4-Dichlorobenzene	N.D.	-----
1,2-Dichlorobenzene	N.D.	-----

*Composited soil sample.


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 18, 1997

PEL # 9709032

HAGEMAN_AGUIAR, INC.

Attn: Randal Wilson

Re: One composited soil sample for Motor oil analysis.

Project name: Quality - San Leandro

Date sampled: Sep 15, 1997

Date submitted: Sep 16, 1997

Date extracted: Sep 16-17, 1997

Date analyzed: Sep 16-17, 1997

RESULTS:

*E.S.C. (16LA) middle distillates
100*

SAMPLE I.D.	Motor Oil (mg/Kg)
-------------	-------------------

W.O. - A & B	85
--------------	----

Blank	N.D.
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Detection limit	10
-----------------	----

Method of Analysis	3550/8015
--------------------	-----------

David Duong
Laboratory Director

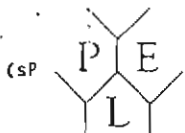
PRIORITY ENVIRONMENTAL LABS

Chain of Custody

1764 Houret Ct. Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 09/16/97 PAGE: 1 OF 1

PROJECT MOR:				ANALYSIS REPORT													
COMPANY: <i>Hageman - Aguilar</i>				IPH - Gasoline (EPA 5030.8015)	IPH - Gasoline (5030.8015) w/BTEX (EPA 602.8020)	IPH - Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS BTEX (EPA 602.8020)	TOTAL OIL & GREASE (EPA 5520 C D&T)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	CHLORINATED HYDROCARBONS (EPA 601.8010)	TEPH Motor Oil	ACI	Solvents	PEL #	9709030	
ADDRESS:															INV #	27930	
PHONE: _____ FAX: _____																	
SIGNATURE: <i>Randall Wilson</i>																	
SAMPLE ID.	DATE	TIME	MATRIX	IPH - Gasoline (EPA 5030.8015)	IPH - Gasoline (5030.8015) w/BTEX (EPA 602.8020)	IPH - Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS BTEX (EPA 602.8020)	TOTAL OIL & GREASE (EPA 5520 C D&T)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	CHLORINATED HYDROCARBONS (EPA 601.8010)	TEPH Motor Oil	ACI	Solvents			
W.O. - BOTTOM	09/16/97	13:01	soil								X	X	X	X			
<i>Rec. R. Wilson 9/13/97 10:45</i>																	
PROJECT INFORMATION				SAMPLE RECEIPT				RELINQUISHED BY:				RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
PROJECT NAME: <i>Quality - San Leandro</i>				TOTAL # OF CONTAINERS: <i>1</i>				SIGNATURE: <i>Randall Wilson</i>				SIGNATURE: <i>DAVID PUNE</i>		SIGNATURE:		SIGNATURE:	
PROJECT NUMBER:				REC'D. GOOD COND./COLD				Date: <i>09/16/97</i> Time: <i>16:16</i>				Date: <i>09/16/97</i> Time: <i>16:16 PM</i>		Date:		Date:	
INSTRUCTIONS & COMMENTS:				COMPANY: <i>Hageman - Aguilar</i>				COMPANY: <i>PEL</i>				COMPANY:		COMPANY:			



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 20, 1997

PEL # 9709030

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: One soil sample for RCI analysis.

Project name: Quality - San Leandro

Date sampled: Sep 16, 1997

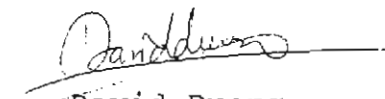
Date submitted: Sep 16, 1997

Date extracted: Sep 18-19, 1997

Date analyzed: Sep 18-19, 1997

RESULTS:

SAMPLE I.D.	REACTIVITY	CORROSIVITY	IGNITABILITY
W.O Bottom	NO	pH 5.0	NO
Blank	NO	pH 7.0	NO
Method of Analysis	Title 22, CCR 66261.23	Title 22, CCR 66261.22	Title 22, CCR 66261.21


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709030

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: One soil sample for Cadmium, Chromium, Lead, Nickel, and Zinc analyses.

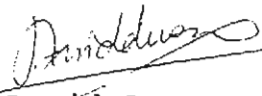
Project name: Quality - San Leandro

Date sampled: Sep 16, 1997
Date extracted: Sep 18-22, 1997

Date submitted: Sep 16, 1997
Date analyzed: Sep 18-22, 1997

RESULTS:

SAMPLE I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
W,O-Bottom	1.3	N.D.	3.1	61	10
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection limit	0.50	1.0	0.50	1.0	1.0
Method of Analysis	7130	7190	7420	7520	7950


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709030

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Project name: Quality-San Leandro

Sample I.D.: W.O Bottom

Date Sampled: Sep 16, 1997

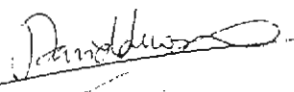
Date Submitted: Sep 16, 1997

Date Analyzed: Sep 18-19, 1997

Method of Analysis: EPA 8010

Detection limit: 5.0 ug/Kg

COMPOUND NAME	CONCENTRATION (ug/Kg)	SPIKE RECOVERY (%)
Chloromethane *	N.D.	-----
Vinyl Chloride	N.D.	-----
Bromomethane	N.D.	-----
Chloroethane	N.D.	-----
Trichlorofluoromethane	N.D.	-----
1,1-Dichloroethene	N.D.	-----
Methylene Chloride	N.D.	91.7
1,2-Dichloroethene (TOTAL)	N.D.	83.2
1,1-Dichloroethane	N.D.	-----
Chloroform	N.D.	-----
1,1,1-Trichloroethane	N.D.	89.9
Carbon Tetrachloride	N.D.	-----
1,2-Dichloroethane	N.D.	-----
Trichloroethene	N.D.	102.8
1,2-Dichloropropane	N.D.	-----
Bromodichloromethane	N.D.	-----
2-Chloroethylvinylether	N.D.	-----
Trans-1,3-Dichloropropene	N.D.	-----
Cis-1,3-Dichloropropene	N.D.	-----
1,1,2-Trichloroethane	N.D.	-----
Tetrachloroethene	N.D.	81.6
Dibromochloromethane	N.D.	-----
Chlorobenzene	N.D.	-----
Bromoform	N.D.	105.3
1,1,2,2-Tetrachloroethane	N.D.	-----
1,3-Dichlorobenzene	N.D.	-----
1,4-Dichlorobenzene	N.D.	-----
1,2-Dichlorobenzene	N.D.	-----


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 18, 1997

PEL # 9709030

HAGEMAN_AGUIAR, INC.

Attn: Randal Wilson

Re: One soil sample for Motor oil analysis.

Project name: Quality - San Leandro

Date sampled: Sep 16, 1997

Date submitted: Sep 16, 1997

Date extracted: Sep 16-17, 1997

Date analyzed: Sep 16-17, 1997

RESULTS:

SAMPLE I.D.	Motor Oil (mg/Kg)
----------------	----------------------

W.O. Bottom

N.D.

Blank

N.D.

Detection
limit

10

Method of
Analysis

3550/8015

David Duong
Laboratory Director

PRIORITY ENVIRONMENTAL LABS

Chain of Custody

1764 Houret Ct. Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 09/15/97 PAGE: 1 OF 1

PROJECT MOR:				ANALYSIS REPORT											NUMBER OF CONTAINERS				
COMPANY: <u>Hageman - Aguiar</u> ADDRESS: _____ PHONE: _____ FAX: _____ SIGNATURE: <u>Randal Wilson</u>				PEL # 9709033 INV # 27933															
SAMPLE ID.	DATE	TIME	MATRIX	TPH - Gasoline (EPA 5030.8015)	MTBE (EPA 5030.8015) w/ BTEX (EPA 602.8020)	TPH - Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS BTEX (EPA 602.8020)	TOTAL OIL & GREASE (EPA 5520 C.D&F)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	CHLORINATED HYDROCARBONS (EPA 601.8010)								
Tanks - A	09/15/97	16:00	Soil	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Tanks - B	09/15/97	16:00	Soil																
Tanks - C	09/15/97	16:00	Soil																
Tanks - D	09/15/97	16:00	Soil																
Tanks - E	09/15/97	16:00	Soil																
Tanks - F	09/15/97	16:00	Soil																
Tanks - G	09/15/97	16:00	Soil																
Tanks - H	09/15/97	16:00	Soil																
Tanks - J	09/15/97	16:00	Soil																
Tanks - K	09/15/97	16:00	Soil																
Tanks - L	09/15/97	16:00	Soil																
Tanks - M	09/15/97	16:00	Soil																
PROJECT INFORMATION: PROJECT NAME: <u>Quality San Leandro</u> PROJECT NUMBER: _____ SAMPLE RECEIPT: TOTAL # OF CONTAINERS: <u>12</u> RECD. GOOD COND./COLD: _____				RELINQUISHED BY: <u>Randal Wilson</u> SIGNATURE: _____ Date: <u>09/16/97</u> Time: <u>16:35</u> COMPANY: _____				RECEIVED BY: <u>DAVID DUGNEZ</u> SIGNATURE: _____ Date: <u>09/16/97</u> Time: <u>16:35</u> COMPANY: <u>PEL</u>				RELINQUISHED BY: _____ SIGNATURE: _____ Date: _____ Time: _____ COMPANY: _____				RECEIVED BY: _____ SIGNATURE: _____ Date: _____ Time: _____ COMPANY: _____			
INSTRUCTIONS & COMMENTS:																			

4 Point Composite Sample

4 Point Composite Sample

4 Point Composite Sample



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709033

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: Three composited soil samples for Gasoline/BTEX with MTBE analysis.

Project name: Quality - San Leandro

Date sampled: Sep 15, 1997

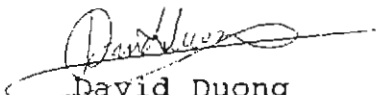
Date submitted: Sep 16, 1997

Date extracted: Sep 17-18, 1997

Date analyzed: Sep 17-18, 1997

RESULTS:

SAMPLE I.D.	Gasoline	MTBE	Benzene	Toluene	Ethyl Benzene	Total Xylene
	(mg/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)
Tanks-A, B, C, D	3.5	N.D.	N.D.	N.D.	N.D.	16
Tanks-E, F, G, H	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tanks-J, K, L, M	4.9	N.D.	N.D.	N.D.	8.5	12
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	81.9%	---	83.7%	82.3%	90.7%	94.9%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030/ 8015	8020	8020	8020	8020	8020


 David Duong
 Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709031

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: Eight soil samples for Gasoline/BTEX with MTBE analysis.

Project name: Quality - San Leandro

Date sampled: Sep 16, 1997
Date extracted: Sep 17-18, 1997

Date submitted: Sep 16, 1997
Date analyzed: Sep 17-18, 1997

RESULTS:

SAMPLE I.D.	100.0	23	44	2900	3300	1500
	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
Exc-B	34	N.D.	N.D.	N.D.	5.7	35
Exc-C	130	N.D.	59	39	71	240
Exc-D	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Exc-E	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Exc-F	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Exc-G	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Exc-H	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Exc-J	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	81.9%	---	83.7%	82.3%	90.7%	94.9%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030/ 8015	8020	8020	8020	8020	8020

David Duong
Laboratory Director

LABORATORY ANALYSIS RESULTS

analysis it was agreed that any additional over-excavation would not be required based on the very low levels discovered in the excavation soil samples. The soil sample results of the spoils pile sampling were also reviewed in order to determine the proper disposition of the excavated soil. It was determined, based on the laboratory results the excavated soil (approximately 300 cubic yards) could be used as backfill material along with imported engineered base rock from the Dumbarton Quarry. The laboratory analysis reports can be found in the exhibits section of this report.

Mr. Ray Silva, Engineering Inspector, was advised by telephone that backfilling of the excavation was going to start. The backfilling of the tank excavation took place on September 26, 1997. Compaction testing of the backfilling resulted in compaction of 95% . A copy of the compaction test results are included in the exhibit section of this report. The excavated area was restored with new asphalt the first Week of October and the project was completed.

Copies of all documents relating to this project can be found in the exhibit section.

This completes the summary of the tank closure performed at the Quality Tune-Up Shop, 14901 E. 14th Street, San Leandro, CA.

arrived for transporting and disposal under manifest. Also at 11:30 A.M. Inspectors Karl Busche and Mike Bakaldin from the San Leandro Fire Department arrived to witness and inspect the tank removal and soil sampling procedures. A Gastech meter was used to confirm all tanks were at the appropriate LEL and Oxygen levels. At that time the two (2) 10,000 gallon tanks were removed one at a time and placed on the ground and inspected for any existing holes and possible deterioration of the steel. The tanks appeared to be in good condition with no visible holes. These two tanks were loaded on the trucks for transportation to the TSDF for salvage. Next the 5000 fiberglass tank was removed from the excavation and inspected for any holes or defects, none were found this tank was loaded for disposal. Last the 500 gallon tank was removed from the excavation and inspected for hole and rust. There appeared to be no holes in the waste oil tank. Copies of all Manifests are included in the Exhibit Section of this report.

The excavation was then cleared of excess soil and under the direction of Mr. Karl Busche, San Leandro Fire Department, Eight Discreet soil samples were taken from the tank excavation. The soil samples were taken from the side walls around the excavation at depths from 11 feet to 13 feet (see site plan for sample locations) The samples were taken from the excavator bucket by pounding a 2" brass sample tube into the soil, the ends of the brass tubes were then covered with a Teflon material and a plastic cap was then place over each end of the tube. The samples were then placed on ice and transported to a DOHS Certified Laboratory for analysis. The spoils Pile , (the soil removed from the excavation prior to and after the tank removals) was also sampled to determine the proper disposal options or evaluate the option of the soil being used as part of the backfill material. There were Twelve (12) soil samples taken from the spoils pile, they were analyzed as three four point composite samples, these samples were also placed on ice for transportation to the laboratory for analysis. The spoils pile contained a estimated 280 cubic yards.

One soil sample was taken from the waste oil excavation and a four point composite sample of the waste oil spoils pile, as directed by Inspector Busche.

The soil samples were taken to Priority Environmental Labs for analysis: The Chain of Custody that accompanied the samples requested the following analysis: Samples from the gasoline excavation called for TPH, as gasoline, BTEX\MTBE. The waste oil sample analysis requested the following analysis: TEPH, Motor Oil, RCI, Five Luft Metals, Chlorinated Solvents by EPA Method 8010.

On Monday, September 22, 1997, a meeting with Mike Bakaldin, San Leandro Fire Department occurred at office of The San Leandro Fire Department, Hazardous Materials Division, to review the laboratory analysis of the soil samples taken during the tank removal. After reviewing the results of the laboratory



Underground Contamination Investigations, Groundwater Consultants, Environmental Engineering

October 13, 1997

Mr. Mike Bakaldin\Karl Busche
San Leandro Fire Department
Hazardous Materials Division
835 East 14th Street
San Leandro, California 94577

**TANK CLOSURE SUMMARY
QUALITY TUNE-UP SHOP
14901 E. 14TH STREET
SAN LEANDRO, CA**

Please consider this report a **Final Tank Closure Report** on the **Quality Tune-Up Shop**, located at **14901 East 14th Street, San Leandro, California**.

On September 9, 1997, Applications for the removal of four (4) underground storage tanks were submitted to the San Leandro Fire Department, Hazardous Materials Division and The City of San Leandro Engineering and Transportation Department for approval. On September 12, 1997, approved permits were received from both San Leandro Agencies.

On September 15, 1997, John's Excavating, proceeded to uncover the underground storage tanks. There were a total of four underground storage tanks to be removed. 1.) Two (2) 10,000 gallon single wall steel tanks used to store automotive gasoline. 2.) One 5000 gallon single wall fiberglass tank used to store automotive gasoline and One (1) 500 gallon single wall steel tank used to store waste oil. By early afternoon September 15, 1997, all four tanks were uncovered emptied and ready to remove. On the morning of September 16, 1997, dry ice was introduced to all tanks, approximately 800 pounds of dry ice was used to inert all four tanks to be removed. At 11:30 A.M. the trucks from Erickson Co.



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

December 09, 1996

PEL # 9612015

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: Three water samples for Gasoline/BTEX with MTBE analysis.

Project name: Quality Tune-Up - San Leandro

Project location: 14901 E. 14th St., - San Leandro

Date sampled: Dec 05, 1996

Date submitted: Dec 05, 1996

Date extracted: Dec 05-07, 1996

Date analyzed: Dec 05-07, 1996

RESULTS:

SAMPLE I.D.	<i>50000 (LA) 100</i>					
	Gasoline (ug/L)	MTBE (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylene (ug/L)
GP-1W	4400	N.D.	0.7	N.D.	1.4	2.0
GP-4W	22000	N.D.	4.0	5.7	10	23
GP-6W	210000	N.D.	200	180	180	420
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	106.8%	---	97.7%	104.7%	88.9%	100.4%
Detection limit	50	0.5	0.5	0.5	0.5	0.5
Method of Analysis	5030 / 8015	602	602	602	602	602

David Duong
 David Duong
 Laboratory Director

ATTACHMENT D

Analytical Results: Groundwater

CHAIN OF CUSTODY RECORD

Page 2 of 2

PROJECT NAME AND ADDRESS: <u>Quality Tune-up - S.L.</u> <u>14901 E. 14th St</u> <u>San Leandro</u>					SAMPLER (Signature) <i>[Signature]</i>		ANALYSIS REQUESTED <i>TPH-Gas, BTEX, MTBE</i>						
					HAGEMAN - AGUIAR, INC. 3732 Mt. Diablo Blvd., Suite 372 Lafayette, CA 94549 (415)284-1661 (415)284-1664 (FAX)								
CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION								REMARKS
GP-5@5'	12/5/96	12:20	X			X							
GP-5@10'	12/5/96	12:25	X			X							
GP-5@15'	12/5/96	12:30	X			X							
GP-6@5'	12/5/96	12:35	X			X							
GP-6@10'	12/5/96	12:40	X			X							
GP-6@15'	12/5/96	12:45	X			X							
RELINQUISHED BY: (Signature) <i>[Signature]</i>					DATE TIME	RECEIVED BY: (Signature) <i>Ronald Wilson</i>					DATE TIME		
RELINQUISHED BY: (Signature) <i>Ronald Wilson</i>					DATE TIME	RECEIVED BY: (Signature)					DATE TIME		
RELINQUISHED BY: (Signature)					DATE TIME	RECEIVED BY: (Signature)					DATE TIME		
RELINQUISHED BY: (Signature)					DATE TIME	RECEIVED FOR LABORATORY BY: (Signature) <i>[Signature]</i>					DATE TIME		





PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

December 09, 1996

PEL # 9612016

HAGEMAN - AGUIAR, INC.

Attn: Gary Aguiar

Re: Eighteen soil samples for Gasoline/BTEX with MTBE analysis.

Project name: Quality Tune-Up - San Leandro

Project location: 14901 E. 14th St., - San Leandro

Date sampled: Dec 05, 1996

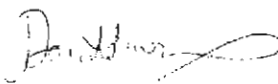
Date submitted: Dec 05, 1996

Date extracted: Dec 05-09, 1996

Date analyzed: Dec 05-09, 1996

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
GP-1 @ 5'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-1 @ 10'	4.3	N.D.	6.6	N.D.	6.5	10
GP-1 @ 15'	4.4	N.D.	41	5.2	N.D.	28
GP-2 @ 5'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-2 @ 10'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-2 @ 15'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-3 @ 5'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-3 @ 10'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-3 @ 15'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-4 @ 5'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-4 @ 10'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-4 @ 15'	5.9	N.D.	7.9	5.0	12	20
GP-5 @ 5'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-5 @ 10'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-5 @ 15'	7.1	N.D.	9.7	5.1	6.9	10
GP-6 @ 5'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-6 @ 10'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-6 @ 15'	29	N.D.	24	8.0	12	31
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked recovery	106.8%	---	97.7%	104.7%	88.9%	100.4%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	8020


 David Duong
 Laboratory Director

97/112 sent copy to Hageman 4-10

Reviewed By KB

San Leandro Fire Department
Hazardous Materials Division
835 East 14th Street
San Leandro, CA 94577
(415) 577-3331

Rev 4/91

Approval Date _____

FIRE DEPARTMENT Date Received 9/09

Rejection Date _____

1997 Fees Paid 720.

UNDERGROUND STORAGE TANK CLOSURE PLAN/PERMIT

1. Facility Name: QUALITY TUNE-UP Address: 14901 EAST 14TH ST. S.L.

Contact Person: DIANNA PAGANO Phone No.: (510) 547-0581

Generator's U.S. EPA Number: CAC 001-151-216

2. Contractor: JOHN POUSSON License Type & No.: GEN "A" 361 808

Address: 1128 HALYARD DRIVE, SANTA ROSA, CA, 94501

Contact Person: BRUCE HAGEMAN Phone No.: (510) 284-1661

3. Sampling to be performed by: HAGEMAN-AGUIAR, INC. Phone No.: (510) 284-1661

4. Laboratory services to be provided by: PRIORITY ENVIRONMENTAL LABS

DOHS Certificate No.: _____ Phone No.: _____

5. Tank Hauler: ERICKSON ENVIRONMENTAL EPA ID No.: CAD 009466392

Address: 255 FARR BLVD, RICHMOND, CA Phone No.: (510) 235-1393

Destination of Tank(s): ERICKSON, INC. 255 FARR BLVD. RICHMOND, CA

6. Method of inerting tank(s): DRY ICE 30 LBS PER 1000 GAL. CAPACITY

7. Type of explosimeter or combustible gas meter to be provided: GASTECH

8. Tanks to be removed:

	Size	Content	Material of Construction	Age	Sample Analysis Method
Tank 1	10,000	GASOLINE	STEEL	25+	TPH, GASOLINE (5030) BIKE, MTBE (8070)
Tank 2	10,000	GASOLINE	STEEL	25+	" " "
Tank 3	10,000	GASOLINE	STEEL	25+	" " "
Tank 4	500	WASTEOIL	STEEL	25+	"
Piping	2"	GASOLINE	STEEL UNWRAPPED	25+	TPH, GASOLINE (5030) BIKE & MTBE (8070)

I acknowledge receipt and agree to comply with the San Leandro Fire Department Underground Storage Tank Closure Requirements. I declare under penalty of perjury that the aforementioned information is true and correct, to the best of my knowledge.

Company Name: HAGEMAN - AGUIAR, INC. Address: 3732 MT. DIABLO BLVD. LAFAYETTE

Applicant's Signature [Signature] Date 8-22-97

Number of Tanks Removed 4 Inspector [Signature] Date 9/16/97



STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME <i>QUALITY TUNE-UP</i>		NAME OF OPERATOR <i>FRANK FACIENTO</i>		
ADDRESS <i>14901 E 14TH STREET</i>		NEAREST CROSS STREET <i>HESPERIAN</i>	PARCEL # (OPTIONAL)	
CITY NAME <i>SAN LEANDRO</i>		STATE <i>CA</i>	ZIP CODE <i>94577</i>	SITE PHONE # WITH AREA CODE <i>(510) 276-0727</i>
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL AGENCY DISTRICTS* <input type="checkbox"/> COUNTY AGENCY* <input type="checkbox"/> STATE AGENCY* <input type="checkbox"/> FEDERAL AGENCY*				
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST _____				
TYPE OF BUSINESS		IF INDIAN RESERVATION OR TRUST LANDS		E. P. A. I. D. # (optional)
<input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER		<input type="checkbox"/>		

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) <i>HAGEMAN BRUCE</i>	PHONE # WITH AREA CODE <i>(510) 284-1661</i>	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) <i>HAGEMAN BRUCE</i>	PHONE # WITH AREA CODE <i>(510) 284-1661</i>	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME <i>DIANNA PAGANO</i>		CARE OF ADDRESS INFORMATION <i>6912 BROADWAY TERRACE, OAK.</i>		
MAILING OR STREET ADDRESS <i>6912 BROADWAY TERRACE</i>		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> STATE AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY AGENCY <input type="checkbox"/> FEDERAL AGENCY		
CITY NAME <i>OAKLAND</i>		STATE <i>CA</i>	ZIP CODE <i>94611</i>	PHONE # WITH AREA CODE <i>(510) 547-0581</i>

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER <i>DIANA PAGANO</i>		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <i>6912 BROADWAY TERRACE</i>		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> STATE AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY AGENCY <input type="checkbox"/> FEDERAL AGENCY		
CITY NAME <i>OAKLAND</i>		STATE <i>CA</i>	ZIP CODE <i>94611</i>	PHONE # WITH AREA CODE <i>(510) 547-0581</i>

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ -

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 99 OTHER	<i>UST FUND</i>

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. II. III.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) <i>DIANA PAGANO BY Anna Hagan</i>	OWNER'S TITLE	DATE MONTH/DAY/YEAR <i>9/9/97</i>
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LOCAL AGENCY USE ONLY

COUNTY # <input type="text" value=""/> <input type="text" value=""/>	JURISDICTION # <input type="text" value=""/> <input type="text" value=""/>	FACILITY # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: QUALITY TANK-LTD E. 14TH ST. SAN LEANDRO, CA

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN	
A. OWNER'S TANK I.D. # <u>UNKNOWN</u>	B. MANUFACTURED BY: <u>UNKNOWN</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>UNKNOWN</u>	D. TANK CAPACITY IN GALLONS: <u>5,000 GALLONS</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.		
A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL <input type="checkbox"/> 2 PETROLEUM <input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 4 OIL <input type="checkbox"/> 90 EMPTY <input type="checkbox"/> 95 UNKNOWN	B. <input type="checkbox"/> 1 PRODUCT <input type="checkbox"/> 2 WASTE
C. <input checked="" type="checkbox"/> 10 REGULAR UNLEADED <input type="checkbox"/> 10 PREMIUM UNLEADED <input type="checkbox"/> 2 LEADED		<input type="checkbox"/> 3 DIESEL <input type="checkbox"/> 4 GASAHOL <input type="checkbox"/> 5 JET FUEL <input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED		C. A. S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E		
A. TYPE OF SYSTEM <input type="checkbox"/> 1 DOUBLE WALL <input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER <input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
B. TANK MATERIAL (Primary Tank) <input checked="" type="checkbox"/> 1 BARE STEEL <input type="checkbox"/> 5 CONCRETE <input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 2 STAINLESS STEEL <input type="checkbox"/> 6 POLYVINYL CHLORIDE <input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 3 FIBERGLASS <input type="checkbox"/> 7 ALUMINUM <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
C. INTERIOR LINING <input type="checkbox"/> 1 RUBBER LINED <input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 2 ALKYD LINING <input type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 3 EPDXY LINING <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
D. CORROSION PROTECTION <input type="checkbox"/> 1 POLYETHYLENE WRAP <input type="checkbox"/> 5 CATHODIC PROTECTION		<input type="checkbox"/> 2 COATING <input type="checkbox"/> 91 NONE <input type="checkbox"/> 3 VINYL WRAP <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) <u>NONE</u>		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE	
A. SYSTEM TYPE A <u>U</u> 1 SUCTION A <u>U</u> 2 PRESSURE A <u>U</u> 3 GRAVITY	A <u>U</u> 99 OTHER
B. CONSTRUCTION A <u>U</u> 1 SINGLE WALL A <u>U</u> 2 DOUBLE WALL A <u>U</u> 3 LINED TRENCH	A <u>U</u> 95 UNKNOWN A <u>U</u> 99 OTHER
C. MATERIAL AND CORROSION PROTECTION A <u>U</u> 1 BARE STEEL A <u>U</u> 5 ALUMINUM A <u>U</u> 9 GALVANIZED STEEL	A <u>U</u> 2 STAINLESS STEEL A <u>U</u> 6 CONCRETE A <u>U</u> 10 CATHODIC PROTECTION
A <u>U</u> 3 POLYVINYL CHLORIDE (PVC) A <u>U</u> 7 STEEL W/ COATING A <u>U</u> 95 UNKNOWN	A <u>U</u> 4 FIBERGLASS PIPE A <u>U</u> 8 100% METHANOL COMPATIBLE W/FRP A <u>U</u> 99 OTHER
D. LEAK DETECTION <input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR <input type="checkbox"/> 2 LINE TIGHTNESS TESTING <input type="checkbox"/> 3 INTERSTITIAL MONITORING <input type="checkbox"/> 99 OTHER <u>NONE</u>	

V. TANK LEAK DETECTION	
<input checked="" type="checkbox"/> 1 VISUAL CHECK <input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 2 INVENTORY RECONCILIATION <input type="checkbox"/> 7 INTERSTITIAL MONITORING
<input type="checkbox"/> 3 VADOZE MONITORING <input type="checkbox"/> 91 NONE	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING <input type="checkbox"/> 95 UNKNOWN
<input type="checkbox"/> 5 GROUND WATER MONITORING	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION		
1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>1982</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>10</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>DONNA PACHAID</u> <u>By: Donna Pachaid</u>	DATE <u>9/9/97</u>
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LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW			
STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE	TANK #

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: QUALITY TUNE-UP

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.O.# <u>UNKNOWN</u>	B. MANUFACTURED BY: <u>UNKNOWN</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>UNKNOWN</u>	D. TANK CAPACITY IN GALLONS: <u>10,000 GALLONS</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL <input type="checkbox"/> 2 PETROLEUM <input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 4 OIL <input type="checkbox"/> 80 EMPTY <input type="checkbox"/> 95 UNKNOWN	B. <input type="checkbox"/> 1 PRODUCT <input type="checkbox"/> 2 WASTE	C. <input checked="" type="checkbox"/> 1 REGULAR UNLEADED <input type="checkbox"/> 1b PREMIUM UNLEADED <input type="checkbox"/> 2 LEADED <input type="checkbox"/> 3 DIESEL <input type="checkbox"/> 4 GASAHOL <input type="checkbox"/> 5 JET FUEL <input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED		C. A. S. #:	

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM <input type="checkbox"/> 1 DOUBLE WALL <input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER <input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER	
B. TANK MATERIAL (Primary Tank) <input checked="" type="checkbox"/> 1 BARE STEEL <input type="checkbox"/> 5 CONCRETE <input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 2 STAINLESS STEEL <input type="checkbox"/> 6 POLYVINYL CHLORIDE <input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 3 FIBERGLASS <input type="checkbox"/> 7 ALUMINUM <input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC <input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP <input type="checkbox"/> 99 OTHER
C. INTERIOR LINING <input type="checkbox"/> 1 RUBBER LINED <input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 2 ALKYO LINING <input type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 3 EPOXY LINING <input checked="" type="checkbox"/> 95 UNKNOWD	<input type="checkbox"/> 4 PHENOLIC LINING <input type="checkbox"/> 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___			
D. CORROSION PROTECTION <input type="checkbox"/> 1 POLYETHYLENE WRAP <input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 2 COATING <input checked="" type="checkbox"/> 91 NONE	<input type="checkbox"/> 3 VINYL WRAP <input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC <input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) <u>NONE</u>		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) <u>NONE</u>	

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	<input checked="" type="radio"/> A U 1 SUCTION	<input type="radio"/> A U 2 PRESSURE	<input type="radio"/> A U 3 GRAVITY	<input type="radio"/> A U 99 OTHER
B. CONSTRUCTION	<input checked="" type="radio"/> A U 1 SINGLE WALL	<input type="radio"/> A U 2 DOUBLE WALL	<input type="radio"/> A U 3 LINED TRENCH	<input type="radio"/> A U 95 UNKNOWN <input type="radio"/> A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	<input checked="" type="radio"/> A U 1 BARE STEEL	<input type="radio"/> A U 2 STAINLESS STEEL	<input type="radio"/> A U 3 POLYVINYL CHLORIDE (PVC)	<input type="radio"/> A U 4 FIBERGLASS PIPE <input type="radio"/> A U 5 ALUMINUM <input type="radio"/> A U 6 CONCRETE <input type="radio"/> A U 7 STEEL W/ COATING <input type="radio"/> A U 8 100% METHANOL COMPATIBLE W/FRP <input type="radio"/> A U 9 GALVANIZED STEEL <input type="radio"/> A U 10 CATHODIC PROTECTION <input type="radio"/> A U 95 UNKNOWN <input type="radio"/> A U 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input type="checkbox"/> 99 OTHER <u>NEVER USED</u>

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input checked="" type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>1987</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>10</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
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THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>DIANA PASANO</u> <u>By BRUCE HAGEMAN</u>	DATE <u>9/9/97</u>
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LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: QUALITY TUNE-UP - E. 14TH ST. SAN LEANDRO

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # <u>UNKNOWN</u>	B. MANUFACTURED BY: <u>UNKNOWN</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>UNKNOWN</u>	D. TANK CAPACITY IN GALLONS: <u>10,000 GALLONS</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	B. <input type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 8 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input checked="" type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 2 LEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED					C. A. S. #

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 95 UNKNOWN
	<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 99 OTHER
B. TANK MATERIAL (Primary Tank)	<input checked="" type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
			<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
			<input type="checkbox"/> 99 OTHER
C. INTERIOR LINING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYO LINING	<input type="checkbox"/> 3 EPOXY LINING
	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 4 PHENOLIC LINING
			<input type="checkbox"/> 99 OTHER
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input checked="" type="checkbox"/> 91 NONE	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
			<input type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE 'A' IF ABOVE GROUND OR 'U' IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A <u>U</u> 1 SUCTION	A <u>U</u> 2 PRESSURE	A <u>U</u> 3 GRAVITY	A <u>U</u> 99 OTHER
B. CONSTRUCTION	A <u>U</u> 1 SINGLE WALL	A <u>U</u> 2 DOUBLE WALL	A <u>U</u> 3 LINED TRENCH	A <u>U</u> 95 UNKNOWN
				A <u>U</u> 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A <u>U</u> 1 BARE STEEL	A <u>U</u> 2 STAINLESS STEEL	A <u>U</u> 3 POLYVINYL CHLORIDE (PVC)	A <u>U</u> 4 FIBERGLASS PIPE
	A <u>U</u> 5 ALUMINUM	A <u>U</u> 6 CONCRETE	A <u>U</u> 7 STEEL W/ COATING	A <u>U</u> 8 100% METHANOL COMPATIBLE W/FRP
	A <u>U</u> 9 GALVANIZED STEEL	A <u>U</u> 10 CATHODIC PROTECTION	A <u>U</u> 95 UNKNOWN	A <u>U</u> 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input type="checkbox"/> 99 OTHER <u>NONE</u>

V. TANK LEAK DETECTION

<input checked="" type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>1992</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>10</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
---	--	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>DIANA MAGANO</u> <u>By Diana Magano</u>	DATE <u>4/6/97</u>
--	--------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: QUALITY TUNE-UP, E. 14th ST. SAN LEANDRE, CA

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN	
A. OWNER'S TANK I.D. # <u>LINKNOUM</u>	B. MANUFACTURED BY: <u>LINKNOUM</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>UNKNOWN</u>	D. TANK CAPACITY IN GALLONS <u>500 GALLONS</u>

II. TANK CONTENTS IF A-1 IS MARKED COMPLETE ITEM C.			
A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	B. <input type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input checked="" type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 2 LEADED
			<input type="checkbox"/> 3 DIESEL
			<input type="checkbox"/> 4 GASAHOL
			<input type="checkbox"/> 5 JET FUEL
			<input type="checkbox"/> 6 AVIATION GAS
			<input type="checkbox"/> 7 METHANOL
			<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED <u>WASTE OIL</u>			C.A.S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E			
A. TYPE OF SYSTEM	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 95 UNKNOWN
	<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 99 OTHER
B. TANK MATERIAL (Primary Tank)	<input checked="" type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
			<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
			<input type="checkbox"/> 99 OTHER
C. INTERIOR LINING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYO LINING	<input type="checkbox"/> 3 EPOXY LINING
	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 4 PHENOLIC LINING
			<input type="checkbox"/> 99 OTHER
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input checked="" type="checkbox"/> 91 NONE	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
			<input type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE				
A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN
				A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input type="checkbox"/> 99 OTHER <u>NONE</u>

V. TANK LEAK DETECTION				
<input checked="" type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION		
1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>9/10/97</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>0</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>DIANA PASANO</u>	DATE <u>9/9/97</u>
--	--------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW				
STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

Underground Storage Tank Removal Supplemental Questionnaire

1. Is the removal part of a new subdivision? Yes () No ()

2. Is the site located within a 100-year or a 500-year Flood Zone as shown on the FEMA "Flood Insurance Rate Map" for San Leandro?
No () 100-year () 500-year ()

3. Estimated ground surface area to be excavated? _____

4. Yards of Cut: _____ Yards of Fill: _____ Total Yards Moved: _____

5. List public streets proposed to be traveled for export hauling: _____

6. Will the excavation be within 15 ft of a property line? Yes () No ()

7. Will the excavation be within 15 ft of a building? Yes () No ()

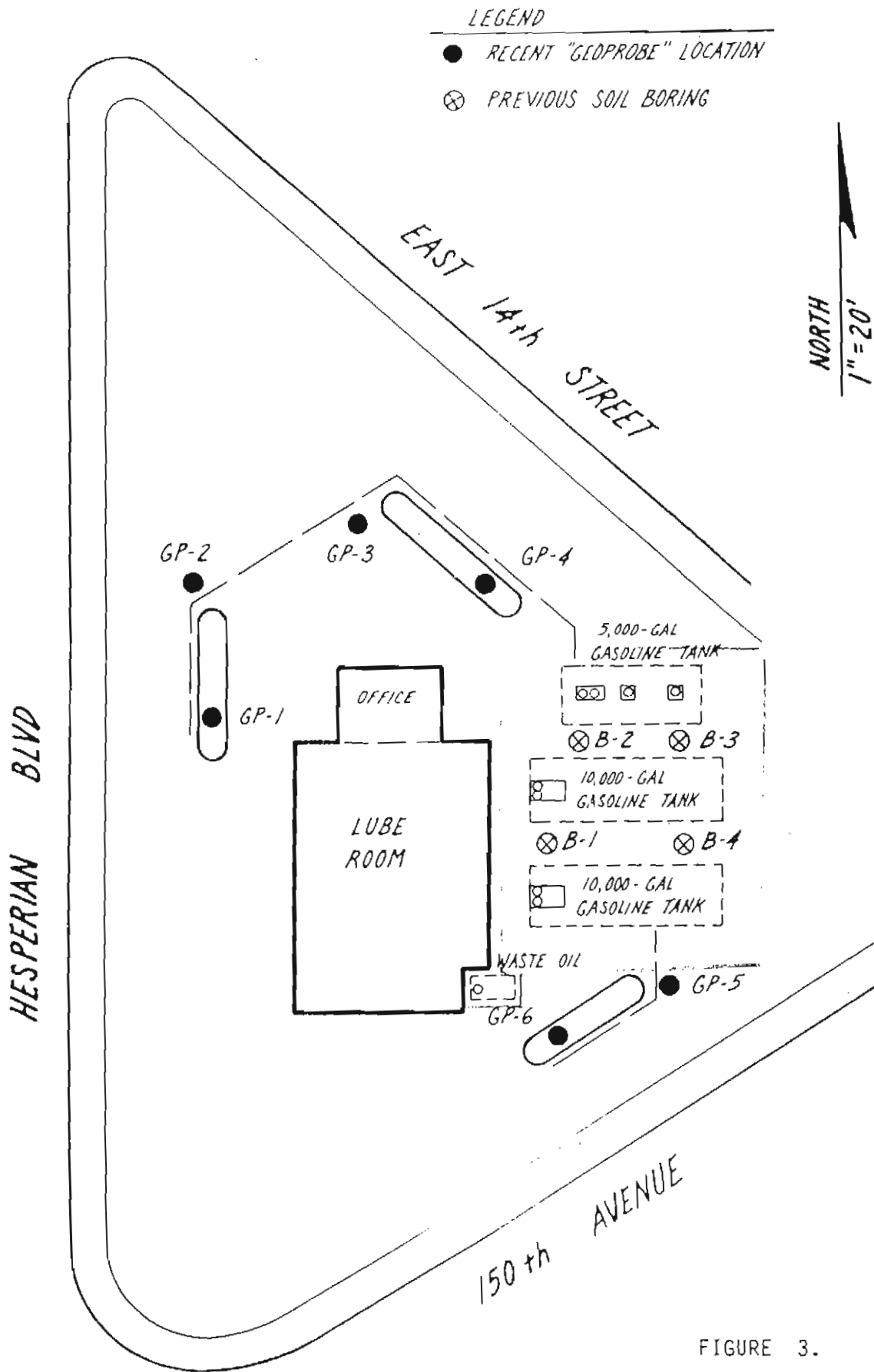


FIGURE 3.
Boring Locations.



State of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE



License No. 361828

Class. I KD IV

Licensee Name JOHN POULSON

License Ref'd A HAZ

Expiration Date 07/31/98



22

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD



Building Quality



HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.



Qualifier: JOHN EDWIN POULSON

License No. 361828

Name/Style: JOHN POULSON

WITNESS my hand and official seal this

24th day of DECEMBER 1991

David R. Peltier
Registrar of Contractors

131-36 (2/91)

This certification is the property of the Registrar of Contractors. It is not transferrable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A 4327

KUV BY: XEROX TELECOPIER TOLL : 9-4-97 4:10PM : 51026416641R
SEP-05-97 04:06 PM JOHN'S EXCAVATING 707 571 8759 P.O.2

CERTIFICATE OF TRAINING

JOHN PULLSON

HAS SUCCESSFULLY COMPLETED A TRAINING COURSE IN

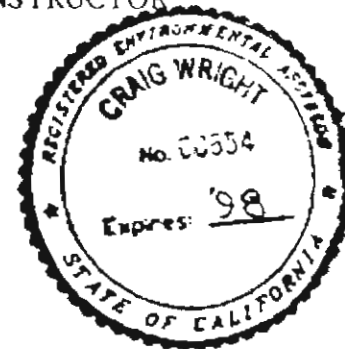
HAZARDOUS WASTE OPERATIONS

8 HR. HAZARDOUS WASTE OPERATIONS/REFRESHER
29 CFR 1910.120 and 8 CCR 5192

MAY 1997
EXAM DATE

Craig Wright
COURSE INSTRUCTOR

COVENANT ENVIRONMENTAL
PO BOX 1006 LOTUS CA. 95651



BUSINESS LICENSE CALCULATION FORM

ALL GROUPS Base fee

BUSINESS LICENSE

CITY OF SAN LEANDRO
835 EAST 14th STREET
SAN LEANDRO, CALIFORNIA 94577

FINANCE OFFICE
OFFICE HRS. MON-FRI 9:00-4:00
(510) 577-3381, 577-3378, 577-3468

BUSINESS NAME **HAGEMAN-AQUIAR, INC**
LOCATED AT **3732 MT. DIABLO BL 372**
TYPE OF BUSINESS **PROFESSIONALS**

City of San Leandro
Expires Dec. 31 1996

MAIL ADDRESS
HAGEMAN-AQUIAR, INC
3732 MT. DIABLO BL 372
LAFAYETTE CA 94549

GROUP	BUSINESS LICENSE NUMBER
IV	17712

**STATE
COMPENSATION
INSURANCE
FUND**

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

ISSUE DATE: 11-25-96

POLICY NUMBER: 0726288 - 96
CERTIFICATE EXPIRES: 11-25-97

CITY OF SAN LEANDRO
BLDG. INSP. DEPT.
835 E. 14TH ST.
SAN LEANDRO CA 94577

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon 10 days' advance written notice to the employer.

We will also give you 10 days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

Kenneth C. Bollier
PRESIDENT

EMPLOYER'S LIABILITY LIMIT INCLUDING DEFENSE COSTS: \$1,000,000.00 PER OCCURRENCE.

EMPLOYER

LEGAL NAME

HAGEMAN-AGUIAR, INC
SUITE 372
3732 MT. DIABLO BLVD.
LAFAYETTE CA 94549

HAGEMAN-AGUIAR, INC

Facility Name Quality Tune-up Address 14901 E, 14th Date 9/16/97
 Inspector K. Busche Arrival Time 10:30 Departure Time 1:00
 Contact at Site Bruce Hageman Company _____

	Tank 1	Tank 2	Tank 3	Tank 4
Tank Content	gas - fiberglass	gas	gas	waste oil
Tank Size (gal)	10K	10K	10K	500
% LEL / % O2	0/18%	0/18%	0/18%	0/21
Lbs Dry Ice	200	200	200	50
Corrosion/Holes	N/N	N/N	N/N	
No. of Samples	4	4	4	1
Soil odor/color	Y/Y	N/N	Y/Y	N/N

Piping: Supply _____ Vapor Return _____ Vent _____ Piping Removed: yes
 Piping Sampled: NO No. of samples: _____ Sample odor/color: _____

Site Map	Sample Description
SEE Attached	#1 side wall samples see Attached
	#2 " " "
	#3 " " "
	#4 " " "
	#5 " " "
	#6 " " "
	#7 " " "
	#8 " " "
	#9 " " "

Comments: water at APPROX 12 feet.

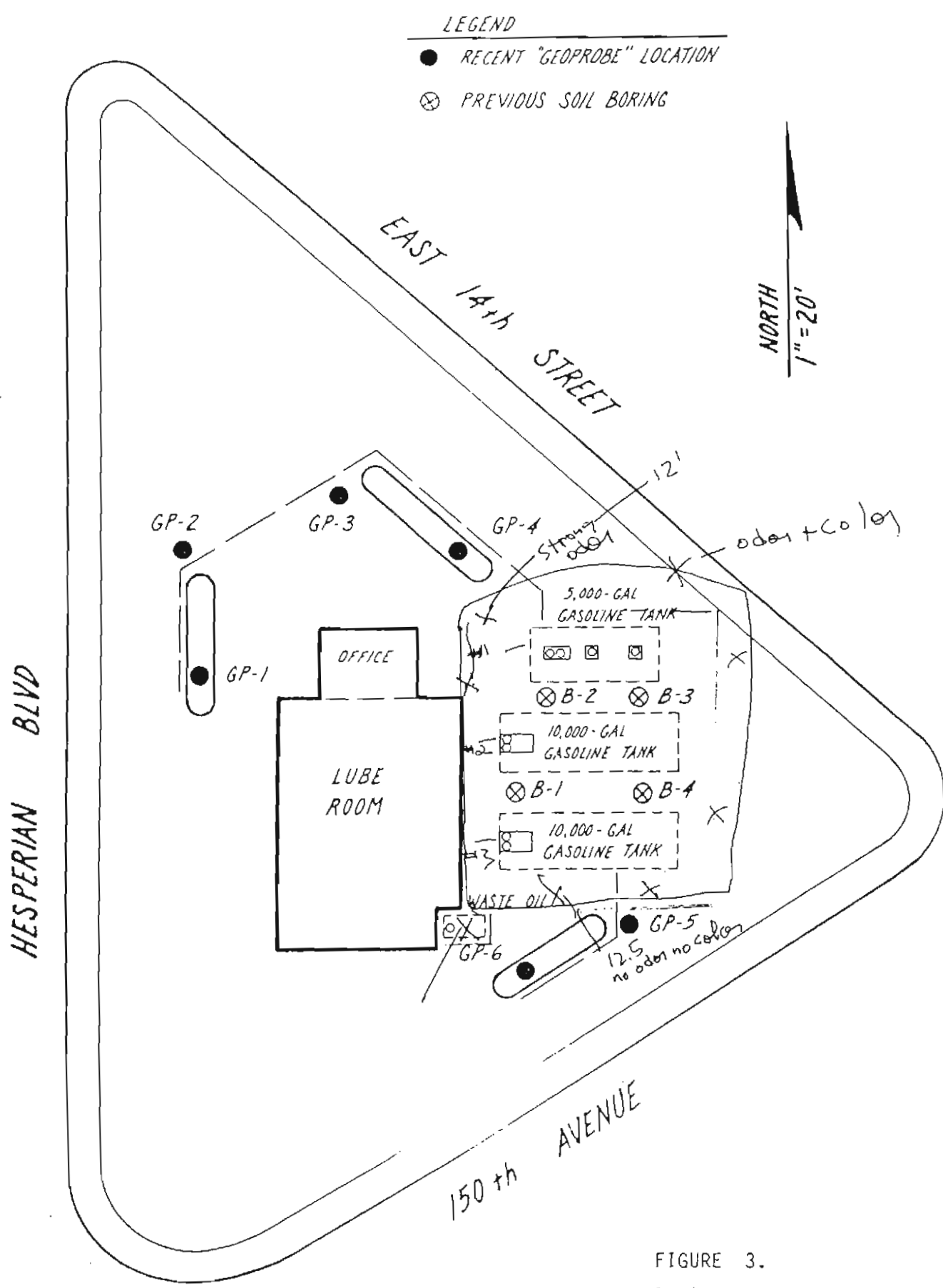


FIGURE 3.
Boring Locations.

SEP-23-97 TUE 9:38

PRIOR: LABS

FAX NO. 4088404



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709030

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: One soil sample for Cadmium, Chromium, Lead, Nickel, and Zinc analyses.

Project name: Quality - San Leandro

Date sampled: Sep 16, 1997

Date submitted: Sep 16, 1997

Date extracted: Sep 18-22, 1997

Date analyzed: Sep 18-22, 1997

RESULTS:

SAMPLE I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
W,O-Bottom	1.3	N.D.	3.1	61	10
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection limit	0.50	1.0	0.50	1.0	1.0
Method of Analysis	7130	7190	7420	7520	7950


 David Duong
 Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709032

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: One composited soil sample for Cadmium, Chromium, Lead, Nickel, and Zinc analyses.

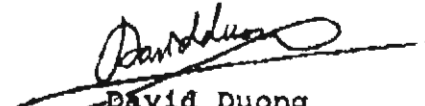
Project name: Quality - San Leandro

Date sampled: Sep 15, 1997
Date extracted: Sep 18-22, 1997.

Date submitted: Sep 16, 1997
Date analyzed: Sep 18-22, 1997

RESULTS:

SAMPLE I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
W, O-A&B	2.0	2.5	4.8	110	18
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection limit	0.50	1.0	0.50	1.0	1.0
Method of Analysis	7130	7190	7420	7520	7950


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709032

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Project name: Quality-San Leandro
Sample I.D.: W.O- A&B*

Date Sampled: Sep 15, 1997
Date Analyzed: Sep 18-19, 1997


Date Submitted: Sep 16, 1997

Method of Analysis: EPA 8010

Detection limit: 5.0 ug/Kg

COMPOUND NAME	CONCENTRATION (ug/Kg)	SPIKE RECOVERY (%)
Chloromethane *	N.D.	-----
Vinyl Chloride	N.D.	-----
Bromomethane	N.D.	-----
Chloroethane	N.D.	-----
Trichlorofluoromethane	N.D.	-----
1,1-Dichloroethane	N.D.	-----
Methylene Chloride	N.D.	91.7
1,2-Dichloroethane (TOTAL)	N.D.	83.2
1,1-Dichloroethane	N.D.	-----
Chloroform	N.D.	-----
1,1,1-Trichloroethane	N.D.	89.9
Carbon Tetrachloride	N.D.	-----
1,2-Dichloroethane	N.D.	-----
Trichloroethene	N.D.	102.8
1,2-Dichloropropane	N.D.	-----
Bromodichloromethane	N.D.	-----
2-Chloroethylvinylether	N.D.	-----
Trans-1,3-Dichloropropene	N.D.	-----
Cis-1,3-Dichloropropene	N.D.	-----
1,1,2-Trichloroethane	N.D.	-----
Tetrachloroethene	N.D.	81.6
Dibromochloromethane	N.D.	-----
Chlorobenzene	N.D.	-----
Bromoform	N.D.	105.3
1,1,2,2-Tetrachloroethane	N.D.	-----
1,3-Dichlorobenzene	N.D.	-----
1,4-Dichlorobenzene	N.D.	-----
1,2-Dichlorobenzene	N.D.	-----

*Composited soil sample.


David Duong
Laboratory Director

510 5773295; #12

51028416647

5:58PM

9-23-97

SENT BY: HAGEMAN-AGUIAR, INC.

PRIORITY ENVIRONMENTAL LABS

Chain of Custody

1764 Board Ct. Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 09/15/97 PAGE: 1 of 1

PROJECT INFORMATION				ANALYSIS REPORT										NUMBER OF CONTAINERS	
SAMPLE RECEIPT				PH-Cadmium (EPA 50.30, 8015)	PH-Cadmium (EPA 50.30, 8015) w/ WTE (EPA 802, 8020)	PH-Diesel (EPA 3510, 3550, 8015)	PURCHASABLE AROMATICS BITX (EPA 802, 8020)	TOTAL OIL & GREASE (EPA 5520 C.O.M.F)	PESTICIDES/P/ (EPA 806)	TOTAL RECYCLABLE HYDROCARBONS (EPA 418.1)	CHLORINATED HYDROCARBONS (EPA 801, 8010)	TEPH Motor Oil	Shells		
SAMPLE ID	DATE	TIME	MATRIX												
I.O. - A	09/15/97	16:20	SOIL						X	X	X	X		Composite to	1
I.O. - B	09/15/97	16:20	SOIL						X	X	X	X		1 sample please	1
				Rec'd Mr. Williams 9/15/97											

PROJECT INFORMATION:		SAMPLE RECEIPT		RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
OBJECT NAME: Luis Lopez	TOTAL BOP CONTAINERS: 2	NEED GOOD CONTACT		Signature: <i>Randal Williams</i>	Signature: DAVID DUOTE	Signature:	Signature:
DATE: 09/16/97	TIME: 16:26			DATE: 09/16/97	TIME: 16:26	DATE:	TIME:
COMPANY:		COMPANY:		COMPANY: PEL		COMPANY:	

KODAK BVA XEROX TELECOMPIER 7011 : 9-22-97 11:09AM :
 SEP-23-97 TUE 8:40 PRIORITY LABS
 FAX NO. 4089469883
 4089469883
 P. 07

PRIORITY ENVIRONMENTAL LABS

Chain of Custody

1764 Noret Ct. Milpitas, CA 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 09/16/97 PAGE: 1 OF 1

PROJECT INFO:				ANALYSIS REPORT											
COMPANY: <i>Hageman - Aguiar</i> ADDRESS: PHONE: SIGNATURE: <i>Ronald Wilson</i>				TPH - Gasoline (EPA 8030.8015)	TPH - Coal Tar (5030.8015) #781 (EPA 402.8020)	TPH - Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS BTX (EPA 402.8020)	TOTAL OIL & GREASE (EPA 3520 C.047)	PESTICIDES/PCB (EPA 808.8046)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	CHLORINATED HYDROCARBONS (EPA 801.8010)	TEPH METAL OIL RCI	Metals	PEL # INV #	9709030 27930
SAMPLE ID	DATE	TIME	MATRIX	TPH - Gasoline	TPH - Coal Tar	TPH - Diesel	PURGEABLE AROMATICS	TOTAL OIL & GREASE	PESTICIDES/PCB	TOTAL RECOVERABLE	CHLORINATED	TEPH	Metals	PEL #	INV #
W.O. - BOTTOM	09/16/97	13:09	SOIL								X	X	X		
Per Mr. Wilson 9/16/97 10:45															

PROJECT INFORMATION		SAMPLE RECEIPT		RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
PROJECT NAME: <i>Quality - San Leandro</i>	TOTAL # OF CONTAINERS: 1	RECD. GOOD COND./CDS		SIGNATURE: <i>Ronald Wilson</i>		SIGNATURE: <i>DAVID SUAO</i>		SIGNATURE:		SIGNATURE:	
PROJECT NUMBER:				DATE: <i>09/16/97</i> TIME: <i>16:16</i>		DATE: <i>09/16/97</i> TIME: <i>16:16</i>		DATE:		DATE:	
INSTRUCTIONS & COMMENTS:				COMPANY: <i>Hageman - Aguiar</i>		COMPANY: <i>PEL</i>		COMPANY:		COMPANY:	

SENT BY: HAGEMAN-AGUIAR, INC. : 9-23-97 5:59PM : 5102841664 : 510 5773295; #13



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709032

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: One composited soil sample for Cadmium, Chromium, Lead, Nickel, and Zinc analyses.

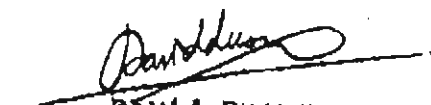
Project name: Quality - San Leandro

Date sampled: Sep 15, 1997
Date extracted: Sep 18-22, 1997.

Date submitted: Sep 16, 1997
Date analyzed: Sep 18-22, 1997

RESULTS:

SAMPLE I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
W,O-A&B	2.0	2.5	4.8	110	18
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection limit	0.50	1.0	0.50	1.0	1.0
Method of Analysis	7130	7190	7420	7520	7950


David Duong
Laboratory Director

510 5773295; #15

5102841664

6:01PM

9-23-97

SENT BY: HAGEMAN-AGUIAR, INC.

PRIORITY ENVIRONMENTAL LABS

Chain of Custody

764 Bonnet Ct. Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 09/15/97 PAGE: 1 of 1

PROJECT NAME: Hegeman - Aguiar

CLIENT: Ronald Wilson

ANALYSIS REPORT

PEL # 9709032

INV # 27932

NUMBER OF CONTAINERS

SAMPLE ID	DATE	TIME	MATRIX	TPH - Gasoline (EPA 8030.8015)	TPH - Gasoline (8030.8015) + 811 (EPA 802.8020)	TPH - Diesel (EPA 8010.8015)	PHENOLIC AROMATICS BTX (EPA 802.8028)	TOTAL OIL & GREASE (EPA 8170.8041)	PESTICIDES/PCBs (EPA 8160.8035)	TOTAL RECOVERABLE HYDROCARBONS (EPA 816.11)	CHLORINATED HYDROCARBONS (EPA 8171.10)	TEPH Motor Oil	5 Metals	NUMBER OF CONTAINERS
1.0.-A	09/15/97	16:20	soil						X	X	X	X	Composite to	1
1.0.-B	09/15/97	16:20	soil						X	X	X	X	1 sample please	1
See Mr. Wilson 9/15/97 10:45														

PROJECT INFORMATION:

PROJECT NAME: Quality Sun Leasing

PROJECT NUMBER:

SAMPLE RECEIPT

TOTAL # OF CONTAINERS: 2

RECS, BOXES, COND./COLD:

RELINQUISHED BY: Ronald Wilson

SIGNATURE:

Date: 09/16/97 Time: 16:26

COMPANY:

RECEIVED BY: DAVID DUKE

SIGNATURE: D. Duke

Date: 09/16/97 Time: 16:26

COMPANY: PEL

RELINQUISHED BY: _____

SIGNATURE:

Date: _____ Time: _____

COMPANY:

RECEIVED BY: _____

SIGNATURE:

Date: _____ Time: _____

COMPANY:

INSTRUCTIONS & COMMENTS:

NOV BY FAXBOX TELECOPIER 7011 : 9-22-97 11:00AM

SEP-23-97 TUE 9:40 PRIORITY LABS

FAX NO. 4089489883



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709030

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: One soil sample for Cadmium, Chromium, Lead, Nickel, and Zinc analyses.

Project name: Quality - San Leandro

Date sampled: Sep 16, 1997


Date submitted: Sep 16, 1997

Date extracted: Sep 18-22, 1997

Date analyzed: Sep 18-22, 1997

RESULTS:

SAMPLE I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
W,O-Bottom	1.3	N.D.	3.1	61	10
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection limit	0.50	1.0	0.50	1.0	1.0
Method of Analysis	7130	7190	7420	7520	7950


David Duong
Laboratory Director

KRUKLY ENVIRONMENTAL LABS

Chain of Custody

1764 Houret Ct. Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 09/16/97 PAGE: 1 OF 1

PROJECT INFO:				ANALYSIS REPORT													
COMPANY: Hageman - Aguilar																	
ADDRESS:																	
PHONE:																	
SIGNATURE: <i>Handwritten Signature</i>																	
SAMPLE ID	DATE	TIME	ANALYSIS	TPH - Total Phos (EPA 803.8013)	TPH - Catalytic (EPA 803.8015) w/ BTEX (EPA 802.8020)	TPH - Direct (EPA 3510/3650.8015)	PURGEABLE & NONPURGEABLE BTEX (EPA 802.8020)	TOTAL OIL & GREASE (EPA 8020 C.047)	PESTICIDES/PCB (EPA 800.8050)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	CHLORINATED HYDROCARBONS (EPA 801.8010)	TEPH Motor Oil	PCI	5 metals	PEL #	INV #	
W.O. - BOTTOM	09/16/97	13:01	soil								X	X	X	X	9709030	27930	
<p><i>Rec No. Wilson 9/16/97 10:45</i></p>																	
PROJECT INFORMATION				SAMPLE RECEIPT				REL. INCURRED BY:				RECEIVED BY:		RELEASER BY:		RECEIVED BY:	
PROJECT NAME: <i>Quality - San Leandro</i>				TOTAL # OF CONTAINERS <i>1</i>				SIGNATURE: <i>Handwritten Signature</i>				SIGNATURE: <i>DAVID GUAN</i>		SIGNATURE:		SIGNATURE:	
PROJECT NUMBER:				NEED GOOD COPY/COLD				DATE: <i>09/16/97</i>				DATE: <i>09/16/97</i>		DATE:		DATE:	
INSTRUCTIONS & COMMENTS:				TIME: <i>16:16</i>				COMPANY: <i>Hageman - Aguilar</i>				TIME: <i>16:16m</i>		COMPANY:		COMPANY:	

510 5773295: #17

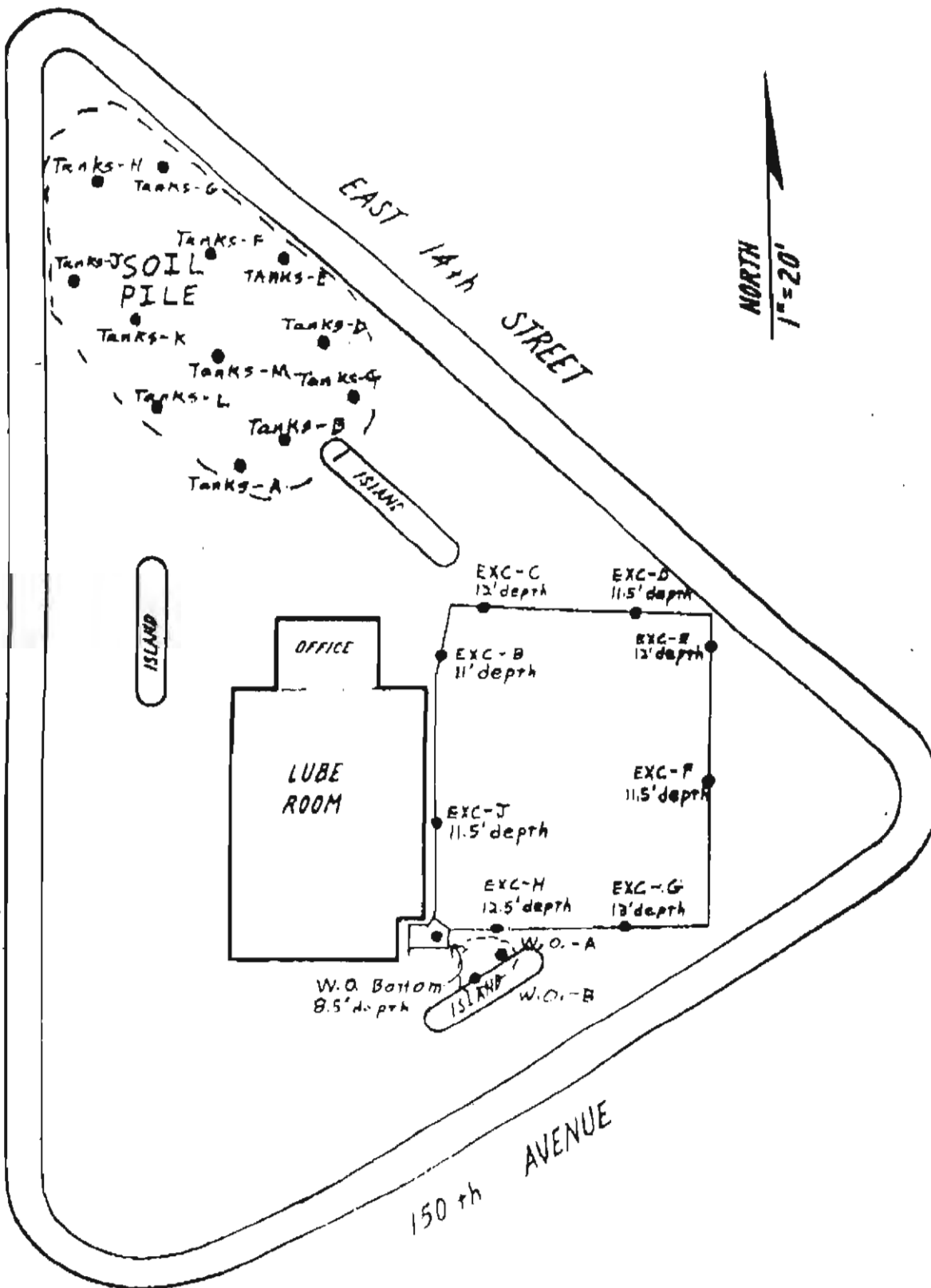
5102841664

6:02PM

9-23-97

SENT BY: HAGEMAN-AGUIAR, INC.

HESPERIAN BLYD





Underground Contamination Investigations, Groundwater Consultants, Environmental Engineering

FAX COVER SHEET

DATE: 9-24-97 TIME: 5:10 ^{PM}

TO: MIKE BAKALDIN / KARL BUSCHE

COMPANY: CITY OF SAN LEANRO FIRE DEPART

PHONE: _____

FAX: (510) 577-3295

FROM: BRUCE HAGEMAN

RE: QUALITY TUNE-UP

CC: _____

Number of pages including cover sheet: 15 17

Message: _____

PLS CALL WITH ANY QUESTIONS
Bruce

SEP-19-97 FRI 12:31

PRIORITY LABS

FAX NO. 408. 4663

P. 01



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709031

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: Eight soil samples for Gasoline/BTEX with MTBE analysis.

Project name: Quality - San Leandro

Date sampled: Sep 16, 1997

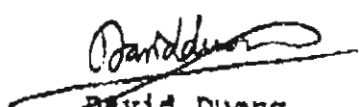
Date submitted: Sep 16, 1997

Date extracted: Sep 17-18, 1997

Date analyzed: Sep 17-18, 1997

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
Exc-B	34	N.D.	N.D.	N.D.	5.7	35
Exc-C	130	N.D.	59	39	71	240
Exc-D	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Exc-E	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Exc-F	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Exc-G	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Exc-H	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Exc-J	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	81.9%	---	83.7%	82.3%	90.7%	94.9%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030/ 8015	8020	8020	8020	8020	8020


David Duong
Laboratory Director

PRIORITY ENVIRONMENTAL LABS

Chain of Custody

1764 Bouret Ct., Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 09/15/97 PAGE: 1 of 1

PROJECT INFO:				ANALYSIS REPORT										NUMBER OF CONTAINERS	
COMPANY: <i>Hegeman - Aguir</i> ADDRESS: PHONE: SIGNATURE: <i>Ronald William</i>				IPH - Gasoline (EPA 5030.8015)	IPH - Gasoline (EPA 5030.8015) + BTX (EPA 802.8020)	IPH - Diesel (EPA 3510/3550.8015)	DIURABLE AROMATICS BTX (EPA 802.8020)	TOTAL OIL & GREASE (EPA 3520 C&M)	PESTICIDES (EPA 8060)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	CHLORINATED HYDROCARBONS (EPA 801.8010)	TEPH METRIC OIL 5 Metals	PEL # 9709032		INV # 27932
SAMPLE ID	DATE	TIME	MATRIX												
W.O. - A	09/15/97	16:20	SOIL						X	X	X	X	Composite to 1 sample please		1
W.O. - B	09/15/97	16:20	SOIL						X	X	X	X			1
				Per Mr. William 9/18/97											
PROJECT INFORMATION				SAMPLE RECEIPT				RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
PROJECT NAME: <i>Quality Sea Lounge</i> PROJECT NUMBER:				TOTAL # OF CONTAINERS: <i>2</i> RECD. GOOD COND./COLD:				SIGNATURE: <i>Ronald William</i>		SIGNATURE: <i>DAVID DUTTE</i> <i>Dutte</i>		SIGNATURE:		SIGNATURE:	
INSTRUCTIONS & COMMENTS:				Date: <i>09/16/97</i> Time: <i>16:26</i>		Date: <i>09/16/97</i> Time: <i>16:26</i>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____			
				COMPANY:		COMPANY: <i>PEL</i>		COMPANY:		COMPANY:		COMPANY:			

SENT BY: HEGEMAN-AGUIR, INC. : 9-23-97 5:52PM : FAX NO. 4089469633
 SEP-19-97 FRI 12:35 PRIORITY LABS
 5102841664- 510 5773295: # 3 P. 06

PRIORITY ENVIRONMENTAL LABS

Chain of Custody

1764 Horeat Ct. Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 09/16/97 PAGE: 1 OF 1

510 5773295: H 4
 P. 02
 5102841-547
 FAX NO. 408 488 4883
 9-23-97 5:53PM
 .111 LHD3
 .111 LHD3
 SENT BY: HOGEMAN-AGUIAR, INC.
 FAX NO. 408 488 4883

PROJECT INFO:				ANALYSIS REPORT														
COMPANY: <u>Hogeman - Aguiar</u>				PEL # 9709031 INV # 27931														
ADDRESS:																		
PHONE: _____ SIGNATURE: <u>Ronald Wilson</u>																		
SAMPLE #	DATE	TIME	MATRIX	TPH - Oils/Grease (EPA 8030.8015)	TPH - Oils/Grease + PCBs (EPA 8030.8015) + BTEX (EPA 821.8010)	TPH - Diesel (EPA 3510.1050.8015)	PURIFIABLE AROMATICS BTEX (EPA 802.8020)	TOTAL OIL & GREASE (EPA 8130 C.D.M.F)	PCB'S (EPA 808.8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 811.1)	CHLORINATED HYDROCARBONS (EPA 801.8010)							
Exc-B	09/16/97	12:19	Soil		X													
Exc-C	09/16/97	12:24	Soil		X													
Exc-D	09/16/97	12:28	Soil		X													
Exc-E	09/16/97	12:32	Soil		X													
Exc-F	09/16/97	12:35	Soil		X													
Exc-G	09/16/97	12:37	Soil		X													
Exc-H	09/16/97	12:49	Soil		X													
Exc-J	09/16/97	12:55	Soil		X													
<u>Blank RW</u>																		

PROJECT INFORMATION		SAMPLE RECEIPT		RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
PROJECT NAME: <u>Quality Sea Levee</u>		TOTAL # OF CONTAINERS: <u>8</u>		SIGNATURE: <u>Ronald Wilson</u>		SIGNATURE: <u>DAVID WONG</u>		SIGNATURE:		SIGNATURE:	
PROJECT NUMBER:		REC'D. GOOD COND./COLD		DATE: <u>09/16/97 16:26</u>		DATE: <u>09/16/97 4:56 PM</u>		DATE:		DATE:	
INSTRUCTIONS & COMMENTS:				COMPANY: <u>TEL</u>		COMPANY:		COMPANY:		COMPANY:	

SEP-18-97 FRI 15:01

PRIORITY LABS

FAX NO. 408-966-3663

P.01



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709033

HAGEMAN - AGUIAR, INC.

Attn: Randal Wilson

Re: Three composited soil samples for Gasoline/BTEX with MTBE analysis.

Project name: Quality - San Leandro

Date sampled: Sep 15, 1997

Date submitted: Sep 16, 1997


Date extracted: Sep 17-18, 1997

Date analyzed: Sep 17-18, 1997

RESULTS

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
Tanks-A, B, C, D	3.5	N.D.	N.D.	N.D.	N.D.	16
Tanks-E, F, G, H	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tanks-J, K, L, M	4.9	N.D.	N.D.	N.D.	8.5	12
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	81.9%	---	83.7%	82.3%	90.7%	94.9%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030/ 8015	8020	8020	8020	8020	8020

Spill File Results


David Duong
Laboratory Director



Underground Contamination Investigations, Groundwater Consultants, Environmental Engineering

September 24, 1997

Mike Bakaldin/Karl Busche
City of San Leandro Fire Department
Hazardous Materials Division
Civic Center, 835 E. 14th Street
San Leandro, CA 94577
FAX # (510) 577-3295

RE: Laboratory Results - Soil Samples
Tank Removal - Quality Tune-Up
14901 E. 14th Street, San Leandro, CA

Dear Mike\Karl

Please find copies of the laboratory results on the soil samples at the Quality Tune-Up Shop a 150th and E. 14th Street, San Leandro, CA.

Mike, as you know we reviewed them Monday 9/22/97 at least the samples taken from the excavation and the spoils pile. I received the results on the Waste Oil Tank today, and I have included them in this package.

The sample ID # follows this description:
TANKS - ABCD, EFGH, JKLM ARE THE SPOILS PILE SAMPLES
EXC-B, EXC-C, EXC-D, EXC-E, EXC-F, EXC-G, EXC-H, EXC-J
ARE THE RESULTS FROM THE SIDEWALL SAMPLES TAKEN IN THE
TANK EXCAVATION.

THE WASTE OIL SAMPLES ARE IDENTIFIED AS:
W.O. BOTTOM - SAMPLE FROM THE BOTTOM OF THE TANK EXCAVATION
W.O.-SPP SPOILS PILE
I HAVE ALSO INCLUDED REACTIVITY-CORRESIVITY-IGNITABILITY AND

EPA METHOD 8010, THE WASTE OIL SCREEN FOR CHLORINATED SOLVENTS, AND THE FIVE LUFT METALS.

I have also included a sample site plan indicating the location and depth of each sample.

We Plan to start backfilling the excavation on Thursday A.M. using the spoils materials as we discussed on Monday.

Should you have any Questions please give me a call or stop by Quality Tune-Up Shop, I will be on site.

Thanks for all your Help.

Sincerely,
HAGEMAN-AGUIAR, INC.


Bruce Hageman
attachments

City of San Leandro
Civic Center, 835 E. 14th Street
San Leandro, California 94577



November 22, 1996

Ms. Diana Pagano
6912 Broadway Terrace
Oakland, CA 94611

Dear Ms. Pagano:

Approval of Additional Subsurface Investigation Workplan for 14901 East 14th

The City of San Leandro's Hazardous Materials Division has reviewed Hageman-Aguiar's proposed workplan, dated November 4, 1996. The workplan is approved subject to the following conditions:

1. That this office be notified at least 48 hours prior to start of field work.
2. That at least one groundwater sample be collected from the area surrounding each former island.
3. That the soil sampling depths be specified and approved by this office.
4. That at each island one boring be punched through the former island and the second be punched immediately adjacent to a piping run.

The City of San Leandro's Hazardous Materials Division will oversee all remedial activities at your site. A check for \$480 must be submitted to this office to pay for staff time associated with review of reports and oversight of this project. Please make the check payable to the City of San Leandro Hazardous Materials Division. The deposit will be placed into an account from which money will be drawn at the rate of \$60 per hour for time spent on this project. At the end of this project all unused funds will be returned to you.

Financial assistance to pay for the cost of investigating, remediating, and monitoring your leaking underground storage tank site is available through the state underground storage tank cleanup fund. For more information on the fund and to obtain an application package please refer to the enclosed brochure.

If you have any questions, please call me at 577-3331.

Sincerely,

Michael Bakaldin
Hazardous Materials Coordinator

attachment

cc: Kevin Graves, SFBRWQCB
Gary Aguiar, Hageman-Aguiar

Ellen M. Corbett, Mayor

City Council: Gordon A. Galvan; Bob Glaze; Garry A. Loeffler;
Joanne M. Lothrop; Julian P. Polvorosa; Shelia Young;

City of San Leandro
Civic Center, 835 E. 14th Street
San Leandro, California 94577



November 19, 1993

Ms. Diana Pagano
6912 Broadway Terrace
Oakland, CA 94611

Dear Ms. Pagano:

Underground Tank Closure at 14901 East 14th Street

After reviewing the data obtained during the recent soil investigation at your property at 14901 East 14th it appears that there is at least some soil and groundwater contamination underneath your property. Although it appears that closure in place is still a possibility I would like to discuss the closure with you prior to approving any workplan. I would also like to discuss the existing contamination problems surrounding your property and how they may affect your property.

By way of copy of this letter I am inviting Scott Seery of Alameda County to this meeting since he is actively working on the surrounding contamination problems. Also, I would encourage you to bring your consultants and Mr. Larry Armstrong to this meeting and I will forward them a copy of this letter.

Please let me know as soon as possible which of the following meeting dates will work for you so that we may set a firm meeting date:

December 7 10:00 a.m. or 2:00 p.m.

December 16 10:00 a.m. or 2:00 p.m.

The meeting will be held at the San Leandro Fire Department offices at 901 East 14th Street. Please call me at 577-3331 to confirm the meeting date and time.

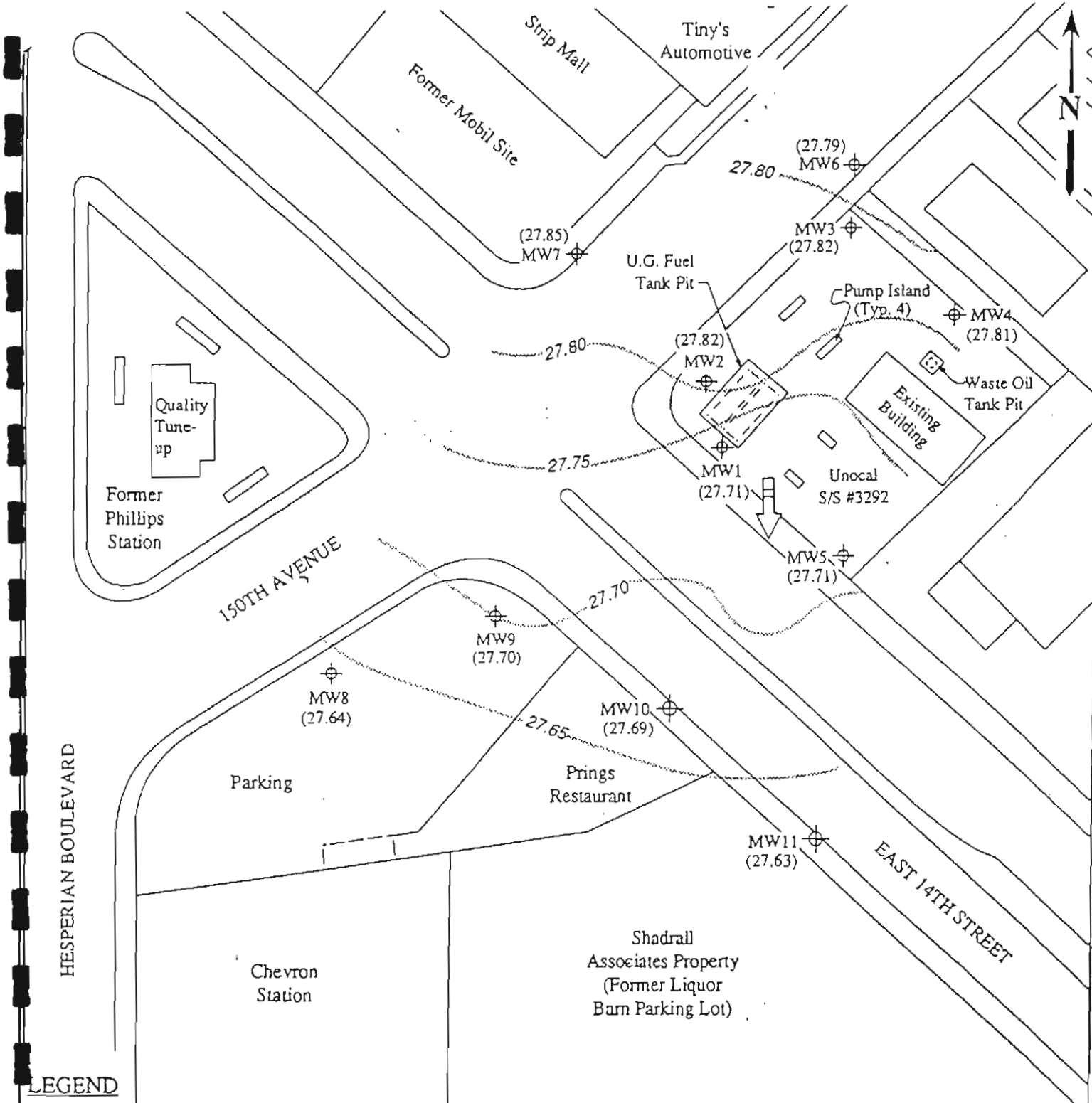
Sincerely,

Michael Bakaldin
Hazardous Materials Coordinator
San Leandro Fire Department




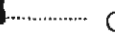
cc: Scott Seery, Alameda County
 Larry Armstrong, Quality Tune-Up
 Gary Aguiar, Hageman-Aguiar

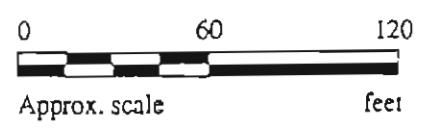
Dave Karp, Mayor

City Council: Ellen M. Corbett; John E. Faria; Howard W. Kerr;
 Kent W. Myers; Linda Perry; Julian P. Polvorosa; Mike Oliver, City Manager



LEGEND

-  Monitoring well
-  Ground water elevation in feet above Mean Sea Level
-  Direction of ground water flow
-  Contours of ground water elevation



POTENTIOMETRIC SURFACE MAP FOR FEBRUARY 20, 1993 MONITORING EVENT



**KAPREALIAN ENGINEERING
INCORPORATED**

**UNOCAL SERVICE STATION #3292
15008 E. 14TH STREET
SAN LEANDRO, CA**

FIGURE


Diana Pagano
6912 Broadway Terrace
Oakland, Ca. 94611-1924

November 26, 1996

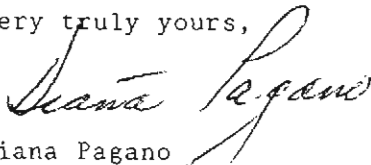
City of San Leandro
Civic Center
835 E. 14th Street
San Leandro, Ca. 94577

Attention: Mike Bakaldin
Hazardous Material Division

Gentlemen:

Per your letter of November 22, 1996 enclosed herewith is my deposit check #4343 dated November 26, 1996 in the amount of \$480.00 for the additional subsurface investigation at 14901 East 14th Street San Leandro, California.

Very truly yours,



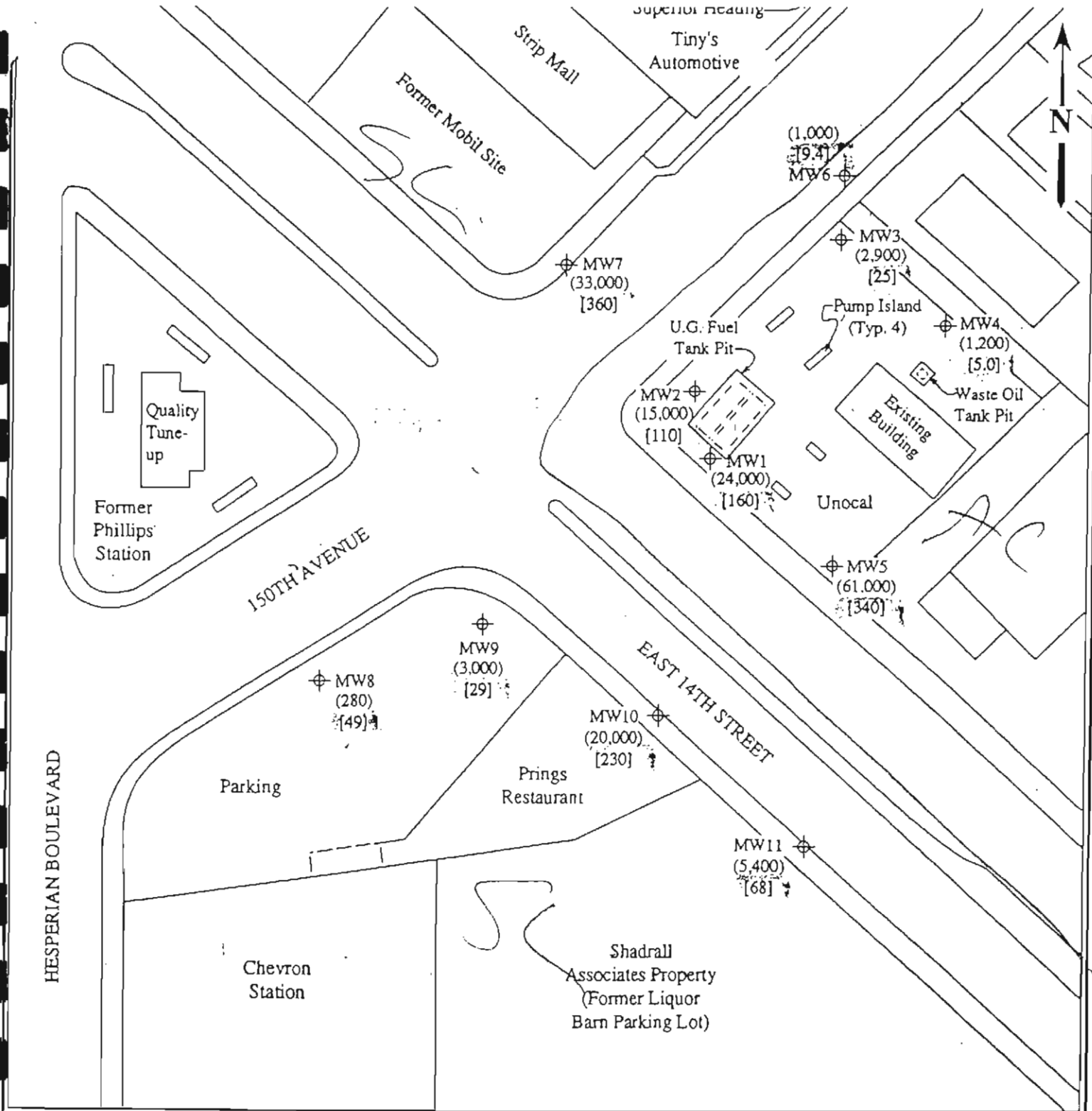
Diana Pagano

dp
encl.

KEI-P91-0102.QR7
September 22, 1993

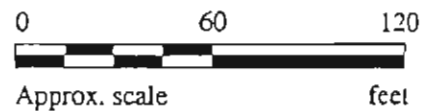
TABLE 2
SUMMARY OF LABORATORY ANALYSES
WATER

<u>Date</u>	<u>Sample Well #</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethylbenzene</u>	<u>Xylenes</u>
8/23/93	MW1	24,000	160	110	840	810
	MW2	15,000	110	ND	590	64
	MW3	2,900	25	ND	50	18
	MW4	1,200	5.0	ND	16	ND
	MW5	61,000	340	380	3,600	14,000
	MW6	1,000	9.4	2.3	5.0	2.3
	MW7	33,000	360	ND	2,500	4,300
	MW8	280*	49	4.5	ND	ND
	MW9	3,000	29	ND	ND	ND
	MW10	20,000	230	13	3,200	140
	MW11	5,400	68	ND	230	43
5/21/93	MW1	27,000	150	200	1,200	950
	MW2	9,500	37	ND	470	62
	MW3	2,600	42	ND	43	15
	MW4	1,900	31	ND	20	4.5
	MW5	55,000	ND	160	3,500	12,000
	MW6	940	18	1.0	7.1	2.7
	MW7	22,000	330	37	2,100	2,900
	MW8	2,500	44	ND	ND	ND
	MW9	3,200	32	ND	8.1	ND
	MW10	23,000	250	ND	3,000	240
	MW11	7,100	64	ND	340	120
2/20/93	MW1	19,000	190	ND	880	620
	MW2	1,500	2.9	3.8	9.1	ND
	MW3	1,600	12	18	8.9	12
	MW4	2,400	40	2.1	33	ND
	MW5	17,000	75	ND	1,000	620
	MW6	2,400	43	ND	33	2.0
	MW7	1,800	37	4.6	11	7.7
	MW8	2,200	32	ND	42	5.0
	MW9	2,300	47	ND	32	ND
	MW10	17,000	74	ND	1,000	620
	MW11	18,000	76	ND	1,000	630



LEGEND

- ⊕ Monitoring well
- () Concentration of TPH as gasoline in ppb
- [] Concentration of benzene in ppb

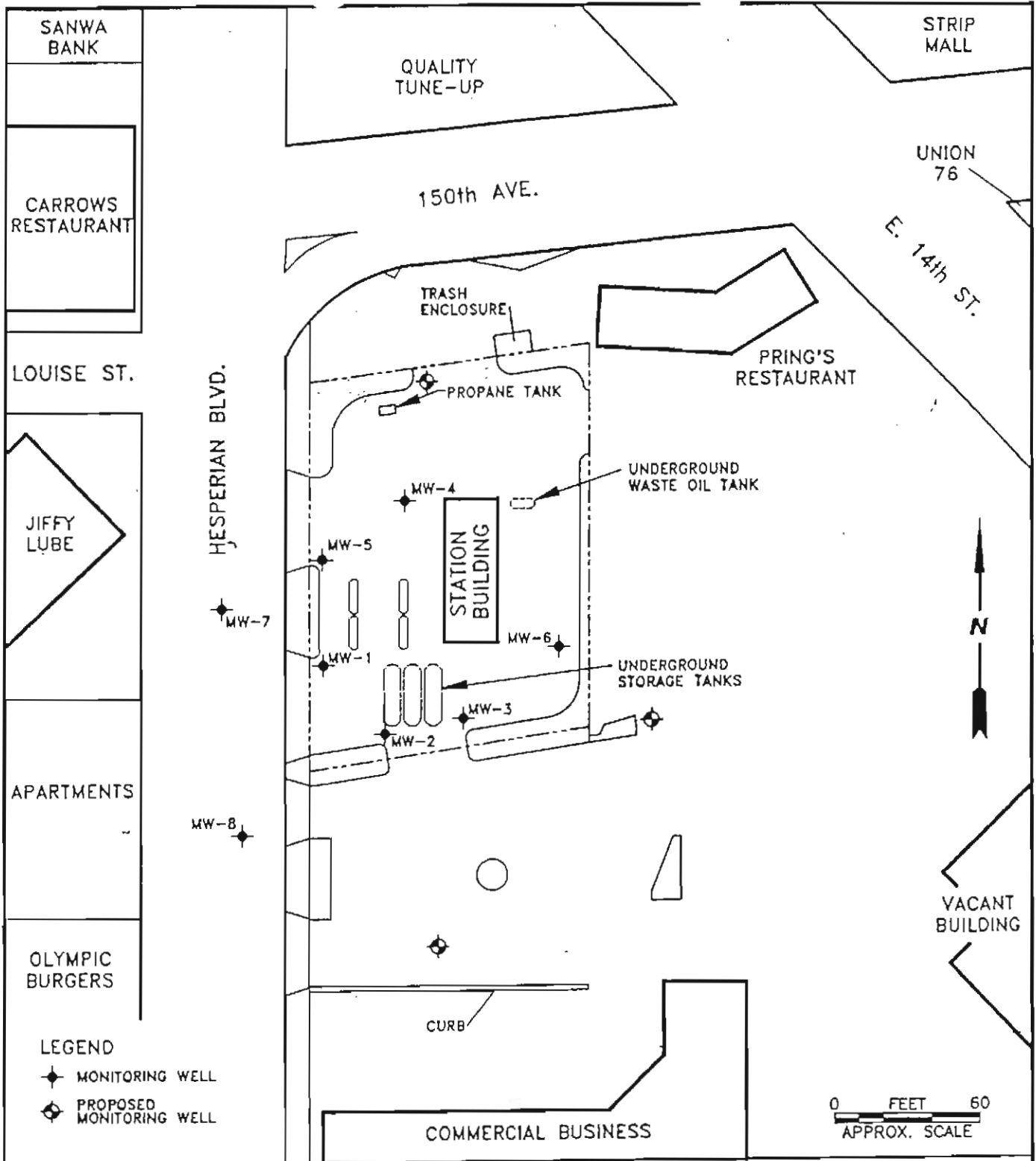


PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON AUGUST 23, 1993

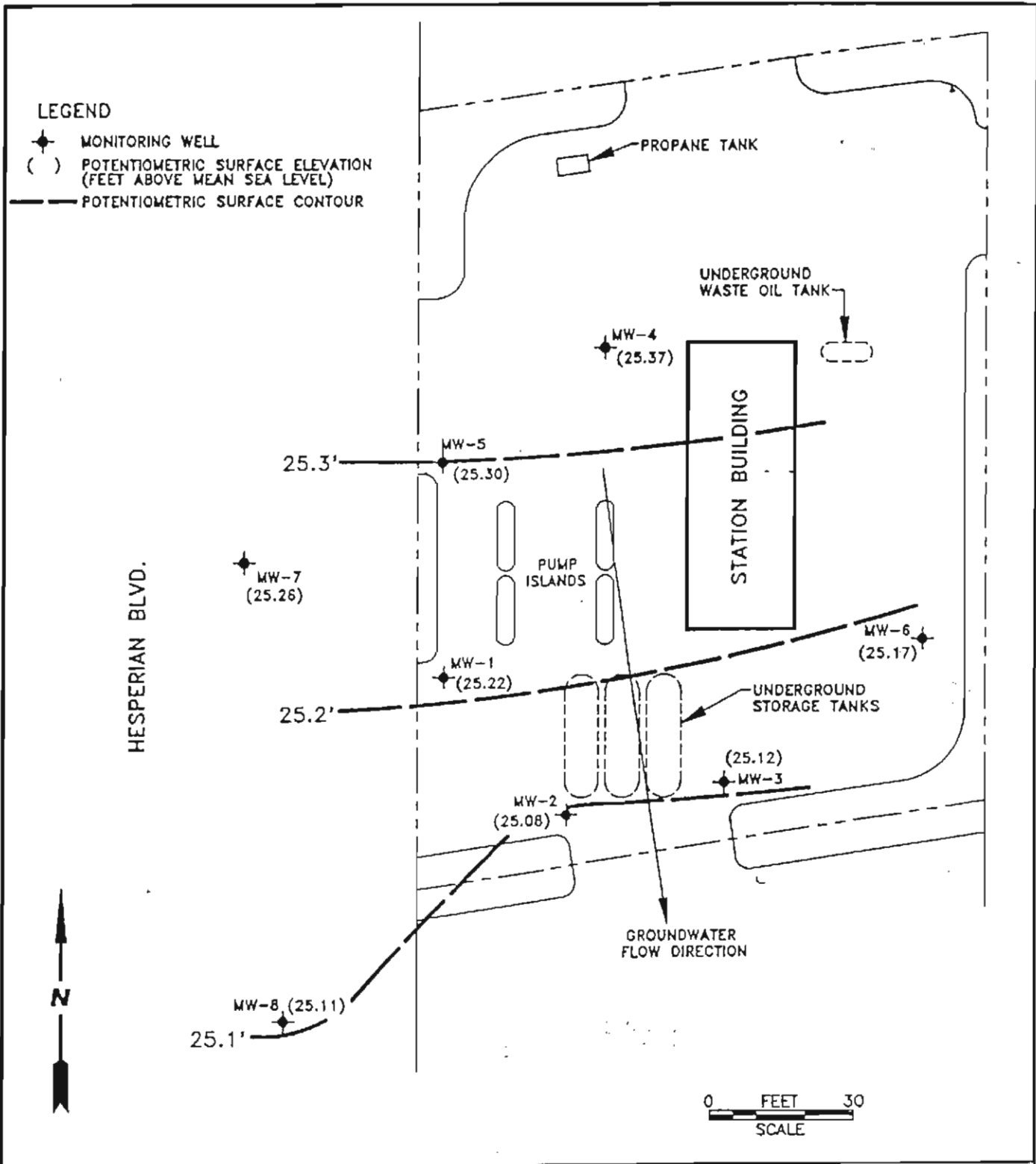
**KAPREALIAN ENGINEERING
INCORPORATED**

**UNOCAL SERVICE STATION #3292
15008 E. 14TH STREET
SAN LEANDRO, CA**

**FIGURE
4**



		GROUNDWATER TECHNOLOGY 4057 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 671-2387		<h2>PROPOSED MONITORING WELL LOCATION MAP</h2>			
CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-2013			LOCATION: 15002 HESPERIAN BLVD. SAN LEANDRO, CALIFORNIA		REV. NO.: 0	DATE: 9/24/93	
PM *	PE/RG	DESIGNED CH	DETAILED ML	ACAD FILE: PWELLLOC/SP993	PROJECT NO.: 020204468	FIGURE: 2	



		GROUNDWATER TECHNOLOGY 4057 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 671-2387		POTENTIOMETRIC SURFACE MAP (7/1/93)			
CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-2013			LOCATION: 15002 HESPERIAN BLVD. SAN LEANDRO, CALIFORNIA			REV. NO.: 0	DATE: 8/30/93
PM <i>JAW</i>	PE/RG ORK	DESIGNED SCH	DETAILED ML	ACAD FILE: PSM7193/SP693	PROJECT NO.: 020204115	FIGURE: 1	

TABLE 1
 HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
 Chevron Service Station No. 9-2013
 15002 Hesperian Boulevard, San Leandro, California

Well/ID Elev	Date	TPH-G	Benzene	Toluene	Ethyl- benzene	Xylenes	EDC	EDB	DTW (ft)	SPT (ft)	WTE (ft)
MW-4 36.05	12/08/87	—	—	—	—	—	—	—	11.72	—	24.33
	05/23/88	—	—	—	—	—	—	—	11.61	—	24.44
	06/08/88	<1,000	<0.5	31	1.0	1.1	—	—	11.94	—	24.11
	08/05/88	—	—	—	—	—	—	—	12.80	—	23.25
	09/08/88	1,300	<0.1	<1	<1	<1	<0.1	<0.1	13.19	—	22.86
	12/06/88	100	<1	<1	<1	<1	—	—	13.31	—	22.74
	03/14/89	<500	<0.5	<0.5	<0.5	<0.5	—	—	11.88	—	24.17
	06/13/89	<500	<0.5	<0.5	<0.5	<0.5	—	—	12.19	—	23.86
	09/13/89	<500	<0.5	<0.5	<0.5	<0.5	—	—	13.49	—	22.56
	12/13/89	140	<0.3	<0.3	<0.3	<0.6	—	—	13.33	—	22.72
	03/13/90	210	<0.3	<0.3	<0.3	<0.6	—	—	11.49	—	24.56
	10/11/90	370	<0.5	2.8	1.9	3.9	—	—	13.93	—	22.12
	04/05/91	790	<0.5	1.6	1.6	2.3	—	—	11.42	—	24.63
	10/30/91	**510	<0.5	0.5	<0.5	<0.5	—	—	14.43	—	21.62
	04/23/92	880	6.6	7.0	5.9	11	—	—	10.93	—	25.12
	07/20/92	500	<0.5	1.2	0.6	2.2	—	—	12.14	—	23.91
	10/30/92	750	<0.5	1.4	6.0	21	—	—	13.45	—	22.60
	01/20/93	280	<0.5	<0.5	<0.5	<0.5	—	—	9.76	—	26.29
	04/30/93	<50	<0.5	<0.5	<0.5	<1.5	—	—	9.19	0.00	26.86
	08/06/93	580	<1.0	12	<1.0	<3.0	—	—	10.68	0.00	25.37

TABLE 1
 HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
 Chevron Service Station No. 9-2013
 15002 Hesperian Boulevard, San Leandro, California

Well/ID Elev	Date	TPH-G	Benzene	Toluene	Ethyl- benzene	Xylenes	ELC	EDB	DTW (ft)	SPT (ft)	WTE (ft)
MW-5 35.65	12/08/87	—	—	—	—	—	—	—	12.04	—	23.61
	05/23/88	—	—	—	—	—	—	—	11.39	—	24.26
	06/08/88	<1,000	<0.5	5.0	2.0	5.5	—	—	11.48	—	24.17
	08/05/88	—	—	—	—	—	—	—	12.42	—	23.23
	09/08/88	340	<0.1	<1	<1	<1	0.2	<0.1	12.79	—	22.86
	12/06/88	<100	<1	<1	<1	<1	<1	<1	12.96	—	22.69
	03/14/89	<500	<0.5	<0.5	<0.5	<0.5	—	—	11.58	—	24.07
	06/13/89	<500	<0.5	<0.5	<0.5	<0.5	—	—	11.80	—	23.85
	09/13/89	<500	<0.5	<0.5	<0.5	<0.5	—	—	13.11	—	22.54
	12/13/89	<50	<0.3	<0.3	<0.3	<0.6	—	—	13.30	—	22.35
	03/13/90	<50	<0.3	<0.3	<0.3	<0.6	—	—	12.12	—	23.53
	10/11/90	<50	<0.5	<0.5	<0.5	1.0	—	—	13.56	—	22.09
	04/05/91	<50	<0.5	<0.5	<0.5	<0.5	—	—	11.09	—	24.56
	10/30/91	<50	<0.5	<0.5	<0.5	<0.5	—	—	14.12	—	21.53
	04/23/92	<50	<0.5	<0.5	<0.5	<0.5	—	—	10.58	—	25.07
	07/20/92	<50	<0.5	<0.5	<0.5	0.7	—	—	11.78	—	23.87
	10/30/92	<50	<0.5	<0.5	<0.5	<0.5	—	—	13.08	—	22.57
01/20/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	8.44	—	27.21	
04/30/93	<50	<0.5	<0.5	<0.5	<1.5	—	—	8.85	0.00	26.80	
08/06/93	<50	<0.5	<0.5	<0.5	<1.5	—	—	10.35	0.00	25.30	



HAGEMAN-AGUIAR, INC.

Underground Contamination Investigations, Groundwater Consultants, Environmental Engineering

FIRE DEPARTMENT
AUG 12 1993
CITY OF SAN LEANDRO

July 30, 1993

Mr. Mike Bakaldin
Hazardous Materials Coordinator
San Leandro Fire Department
835 E. 14th Street
San Leandro, CA

Re: Ms. Diana Pagano
6912 Broadway Terrace
Oakland, CA 94611

Application for Abandonment
of Underground Storage Tanks
located at 14901 East 14th
San Leandro, CA

Dear Mr. Bakaldin:

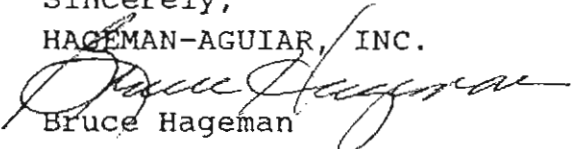
Please find enclosed an application for Abandonment in Place for the underground storage tanks located at 14901 East 14th Street, San Leandro, CA.

This application is submitted for approval based on discussions Ms. Pagano and I had with you concerning this project.

Prior to the actual abandonment, we will do soil borings around and between the underground tanks and take soil samples for analysis of Total Petroleum Hydrocarbons, as gasoline. Based on the results of the soil analysis, the tank abandonment will be completed.

Should you have any questions concerning this project please call our office and I will be happy to discuss them with you.

Sincerely,
HAGEMAN-AGUIAR, INC.


Bruce Hageman
attachments

Reviewed By _____

San Leandro Fire Department
Hazardous Materials Division
835 East 14th Street
San Leandro, CA 94577
(415) 577-3331

Rev 4/91

Approval Date _____

Date Received 8/4/93

Rejection Date _____

Fees Paid \$416

UNDERGROUND STORAGE TANK CLOSURE PLAN/PERMIT
A BANDONMENT IN PLACE

1. Facility Name: QUALITY TUNE UP Address: 14901 E. 14th St.
SAN LEANDRO, CA
Contact Person: MS DIANA PAGANO Phone No.: _____
Generator's U.S. EPA Number: 921-632-642

2. Contractor: HAGEMAN-AGUIAR INC License Type & No.: RCE 34262
Address: 3732 MT. DIABLO BLVD SUITE 372, LAFAYETTE, CA
Contact Person: BRUCE HAGEMAN Phone No.: (510) 284-1661

3. Sampling to be performed by: HAGEMAN-AGUIAR, INC. Phone No.: (510) 284-1661

4. Laboratory services to be provided by: PRIORITY ENVIRONMENTAL LAB
DOHS Certificate No.: _____ Phone No.: (408) 946-9636

5. Tank Hauler: _____ EPA ID No.: _____
Address: _____ Phone No.: _____

Destination of Tank(s): _____

6. Method of inerting tank(s): _____

7. Type of explosimeter or combustible gas meter to be provided: _____

8. Tanks to be removed:

	Size	Content	Material of Construction	Age	Sample Analysis Method
Tank 1	<u>8000</u>	<u>GASOLINE</u>	<u>STEEL</u>	<u>UNKNOWN</u>	<u>5030/8015</u> <u>8020</u>
Tank 2	<u>10000</u>	<u>UNLEADED GASOLINE</u>	<u>STEEL</u>	<u>UNKNOWN</u>	<u>5030/8015</u> <u>8070</u>
Tank 3	<u>10000</u>	<u>PREMI UNLEADED</u>	<u>STEEL</u>	<u>UNKNOWN</u>	<u>5030/8015</u> <u>8020</u>
Tank 4					
Piping					

I acknowledge receipt and agree to comply with the San Leandro Fire Department Underground Storage Tank Closure Requirements. I declare under penalty of perjury that the aforementioned information is true and correct, to the best of my knowledge.

Company Name: HAGEMAN-AGUIAR, INC. Address: 3732 MT. DIABLO BLVD.
Diana Pagano SR# 372

Applicant's Signature _____ Date 7-30-93

Number of Tanks Removed _____ Inspector _____ Date _____

City of San Leandro
Civic Center, 835 E. 14th Street
San Leandro, California 94577



May 25, 1993

Ms. Diana Pagano
6912 Broadway Terrace
Oakland, CA 94611

Dear Ms. Pagano:

Underground Storage Tanks at 14901 East 14th

A recent fire inspection at your property revealed the presence of at least one underground storage tank. A review of our records indicate the tanks have not been removed. Since 1983, California state law has required owners of underground storage tanks to register and permit their underground storage tanks. Our records indicate that your tanks have never been registered or permitted.

Since the tanks have never been permitted or monitored for leakage they are considered abandoned and must be removed from the ground under the oversight of the San Leandro Fire Department. An underground storage tank closure package, containing all pertinent forms and instructions is enclosed.

In the event the underground tanks have already been removed, please send the pertinent documentation to this office so that we may update our files. Once it has been determined that the underground tanks have been removed it would be advisable to remove any remaining vent pipes and former pump islands.

Please be advised that this a formal request for tank closure under California Health and Safety Code Section 25298. The tank closure permit application must be submitted to this office by July 31, 1993. If you have any questions, please call me at (510) 577-3331.

Sincerely,

Michael Bakaldin
Hazardous Materials Coordinator
San Leandro Fire Department

Enclosure

Dave Karp, Mayor

City Council: Ellen M. Corbett; John E. Farra; Howard W. Kerr;
Kent W. Myers; Linda Perry; Julian P. Polvorosa; Mike Oliver, City Manager

Facility Name: _____

Date: _____

Standard Industrial and Commercial Business Inspection Report

III. Conclusion (to be completed by inspector)

For each area of activity, indicate a code to describe 1) the level of potential discharge to the storm drains, 2) the type of potential discharge found and 3) the type of material exposed.

Level of Potential Discharge:

- 0 - not applicable for facility
- 1 - no pollutant exposure
- 2 - little potential for pollutant discharge to storm drains
- 3 - some potential for pollutant discharge to storm drains
- 4 - great potential for pollutant discharge to storm drains
- 5 - pollutant discharge to storm drains imminent

Type of Potential Discharge:

- A - illicit connection
- B - where drain discharges unknown
- C - activity area and/or material exposed to storm water
- D - other (please specify)

Type of Material Exposed:

- i - Raw materials
- ii - Finished materials
- iii - Hazardous materials
- iv - Metals (solids or solutions)
- v - Waste products
- vi - Other

Areas of Activity:

- Outdoor Material/Manufacturing Areas
- Waste Disposal Areas
- Roofed Equipment
- Vehicle and Heavy Equipment Storage and Maintenance Areas
 - parking areas and access roads
 - repair and maintenance areas
 - wash areas
- Other Areas _____

Level of Potential Discharge	Type of Potential Discharge	Type of Material Exposed
0	—	—
2	C	iii, iv, C
0	—	—
2	C	C
1	D covered or enclosed	—
0	—	—

- 1 Follow-up Inspection
 Follow-up inspection is necessary. Tentative date for re-inspection: _____
 Follow-up inspection will be scheduled at a later date.
 Follow-up inspection is not necessary.

- 2 Enforcement Activities
 (1) None (4) Formal Violation
 (2) Warning Notice (5) Legal Action
 (3) Informal Violation

- 4 Describe outreach performed by inspector to promote ACURCWP
 ACURCWP outreach brochure Industrial or BMP brochure (describe below)
 informed facility operator that a storm water permit may be required
 verbal other, please describe _____

5 Time to perform inspection: _____ hrs

3 Comments/Recommendations

This Fenced Drum Storage Area, no roof, Housekeeping Much Better
 Cleaned out extra junk, all lids & bins in place waste drums clean on
 outside, no signs of recent spillage. Filler neck for waste oil UST. Filled in
 neck gap and installed a fill funnel, much better spill control now. Insp
 Enclosed shop bays, Floors clean raw oil tanks good Housekeeping good
 Insp outside areas over

and good coverage and many outdoor activities with
good views, brought down and there changing machine
which appears to have eliminated incidental fans. I
saw a couple of women and some spots which are
covered up with bags. All those things and
the central looks much better.

**CITY of SAN LEANDRO
ENVIRONMENTAL COMPLIANCE SECTION
INSPECTION REPORT**

DATE: 9/14/95 TIME: 1000 INSPECTOR: A. Gung
 BUSINESS NAME: Quality Tune-up Shop #32
 CONTACT: FRANK JACOVO TITLE: MANAGER
 BUSINESS ADDRESS: 14901 East 14th St. PHONE: 276-0727

REASON FOR INSPECTION: Annual Prepermit Violation Other SUPP
 CATEGORY 1 2 3 4

INSPECTION REVIEW:

Inspected Manufacturing Facilities	YES	NO	N/A
Inspected Process Used	<u>YES</u>	NO	N/A
Inspected Pretreatment Facilities	<u>YES</u>	NO	N/A
Inspected Substances Discharged <u>5 gal. HANU only</u>	<u>YES</u>	NO	N/A
Inspected Chemical Storage	<u>YES</u>	NO	N/A
Inspected Drainage	<u>YES</u>	NO	N/A
Inspected Waste Manifests	<u>YES</u>	NO	N/A
Copies of all MSDS on file	<u>YES</u>	NO	N/A
Inspector has copy of all MSDS in file	<u>YES</u>	NO	N/A
Inspected Spill Prevention/Procedures	<u>YES</u>	NO	N/A
Inspected Self Monitoring Procedures	<u>YES</u>	NO	N/A
Inspected Laboratory Procedures	<u>YES</u>	NO	N/A
Follow-up Required	<u>YES</u>	<u>NO</u>	N/A

NOTES AND COMMENTS

No change in operation from last year. House keep.
Spill Prevention much improved. Shop Area very clean.
Saw materials storage good. Fixed filter on
waste oil UST, filled in recessed area and installed
a funnel on neck, no current signs of spillage
neck. Drums storage pad, cleaned out and is clean now.
All drums sealed. Pad shows no signs of spills. HAZ.
Out of work under awning, saw only 4 drums, a
 circle as appropriate

RCRA Information Distributed and Discussed

Water: City Well Both Industrial Waste Discharged: Yes No
 Water/Wastewater Use Metered: Yes No
 Haz Mats: Yes No
 Sample Site: - Manhole - Sump - Cleanout - Sample Port - Pretreatment Unit
 Other (Specify)

GH

was out of order. Purchased new coolant drain and
re-charge machine. We have eliminated spillage seen
all year by eliminating use of drain pans.

Keep all spill control and house keeping logs
work better. Golden State still picking up
auto oil + filters. Mesady Recycling Service
supplying anti-freeze on site for re-use.



Alameda County Urban Runoff Clean Water Program

A Consortium of Local Agencies

Municipality: SAN LEANDRO

Agency Conducting Inspection: SLWRP

Inspector: J. Camp

Date of inspection: 9/19/94

Date of last inspection: NONE

Standard Industrial and Commercial Business Inspection Report

I. Background Information (as reported by Facility Contact)

1. Name of Facility: Quality Tune-up Shop #32 ACURID: 3973

2. Site Address: 14901 E. 14th St. San Leandro CA 94577

3. Name of Contact: FRANK JACINTO 4. Phone No. of Contact: 276-0727

5. Mailing Address: SAME

6. Business Type or Activity: Automotive tune-up, lube and smog check

7. Standard Industrial Classification (SIC): 7538

8. Is property owner different from facility owner? yes no
 If yes, complete the following:
 Name of Property Owner: PIANE PAGANO Phone No.: 547-0581
 Mailing Address of Property Owner: 6912 Broadway Terrace Oakland CA 94601

9. Is the facility covered under any other permits? HMP-FO DTSC
 none air quality sanitary sewer underground storage tanks

10. Does the facility have a spill prevention plan? yes no

11. Have there been any prior complaints or reports of illicit discharge regarding the facility? yes no

II. General Industrial Activity Storm Water NPDES Permit

1. Describe the facility's status for coverage under a storm water permit:
 Facility is not covered and does not appear to need coverage.
 Facility is not covered but should be. (Send copy of inspection report to Regional Board staff.)
 Facility is not covered but may require coverage. Additional clarification is required from the Regional Board.
 Facility is covered. Circle one: general or individual

2. If the facility/mobile operation is covered under the General Industrial Activity Storm Water NPDES permit, answer the following:

a. Does the facility have a Storm Water Pollution Prevention Plan (SWPPP)? yes no
 If yes: Does the SWPPP identify potential pollutants? yes no
 Does the SWPPP identify BMPs? yes no
 Does the SWPPP certify that there are no illicit discharges? yes no
 Is the SWPPP being implemented? yes no

b. Describe the facility's status for conducting storm water monitoring.
 Facility has self-certified no exposure.
 Facility has or is in the process of obtaining municipal-certification and is exempt from conducting monitoring.
 Facility is part of a group monitoring plan.
 Facility is implementing a monitoring plan and is waiting for the wet season to conduct sampling.
 Facility is not implementing a monitoring plan.

3. Comments/Follow-up to the Regional Board
CONVERTED GAS STATION; FUEL ISLAND, COVERED, AREAS USED FOR SERVICE AS WELL AS TWO BAY GARAGE.

Facility Name: Quality inc - up
 Date: 9/19/94

Standard Industrial and Commercial Business Inspection Report

III. Conclusion (to be completed by inspector)

1. For each area of activity, indicate a code to describe 1) the level of potential discharge to the storm drains, 2) the type of potential discharge found and 3) the type of material exposed.

Level of Potential Discharge:

- 0 - not applicable for facility
- 1 - no pollutant exposure
- 2 - little potential for pollutant discharge to storm drains
- 3 - some potential for pollutant discharge to storm drains
- 4 - great potential for pollutant discharge to storm drains
- 5 - pollutant discharge to storm drains imminent

Type of Potential Discharge:

- A - illicit connection
- B - where drain discharges unknown
- C - activity area and/or material exposed to storm water
- D - other (please specify)

Type of Material Exposed:

- i - Raw materials
- ii - Finished materials
- iii - Hazardous materials
- iv - Metals (solids or solutions)
- v - Waste products
- vi - Other

Areas of Activity:

- Outdoor Material/Manufacturing Areas
- Waste Disposal Areas
- Rooftop Equipment
- Vehicle and Heavy Equipment Storage and Maintenance Areas
 - parking areas and access roads
 - repair and maintenance areas
 - wash areas
- Other Areas _____

Level of Potential Discharge	Type of Potential Discharge	Type of Material Exposed
0		
3	C	ii
0		
2	C	vi
3	C	ii
0		

2. Follow-up Inspection

- Follow-up inspection is necessary. Tentative date for re-inspection: _____
- Follow-up inspection will be scheduled at a later date.
- Follow-up inspection is not necessary.

3. Enforcement Activities

- (1) None (4) Formal Violation
- (2) Warning Notice (5) Legal Action
- (3) Informal Violation

4. Describe outreach performed by inspector to promote ACURCWP.

- ACURCWP outreach brochure industrial or BMP brochure (describe below) Automatic R
- Informed facility operator that a storm water permit may be required.
- verbal other, please describe _____

5. Time to perform inspection: 1 hrs

6. Comments/Recommendations

Spilled coolant from hanging vehicle. Ant-freeze on pad under old fuel island cover. Waste oil under ground storage tank standing in waste oil. Fenced in drum storage area has no roof, oil stains on pad, drums not sealed.

CITY of SAN LEANDRO
ENVIRONMENTAL COMPLIANCE SECTION
INSPECTION REPORT

DATE: 9/19/94 TIME: 1000 INSPECTOR: J. Camp
 BUSINESS NAME: Quality Tune-up Shop # 32
 CONTACT: Frank Jacinto TITLE: MANAGER
 BUSINESS ADDRESS: 14901 E. 14th St. PHONE: 276-0727

REASON FOR INSPECTION: Annual Prepermit Violation Other SW-PP
 CATEGORY 1 2 3 4 6

INSPECTION REVIEW:

	1	2	3	4
Inspected Manufacturing Facilities				<u>N/A</u>
Inspected Process Used	<u>YES</u>			<u>N/A</u>
Inspected Pretreatment Facilities	<u>YES</u>			<u>N/A</u>
Inspected Substances Discharged	<u>YES</u>			<u>N/A</u>
Inspected Chemical Storage	<u>YES</u>			<u>N/A</u>
Inspected Drainage	<u>YES</u>			<u>N/A</u>
Inspected Waste Manifests	<u>YES</u>			<u>N/A</u>
Copies of all MSDS on file	<u>YES</u>			<u>N/A</u>
Inspector has copy of all MSDS in file	<u>YES</u>			<u>N/A</u>
Inspected Spill Prevention/Procedures	<u>YES</u>			<u>N/A</u>
Inspected Self Monitoring Procedures	<u>YES</u>			<u>N/A</u>
Inspected Laboratory Procedures	<u>YES</u>			<u>N/A</u>
Follow-up Required	<u>YES</u>		<u>NO</u>	<u>N/A</u>

NOTES AND COMMENTS

Sanitary discharge to ORA LOMA S.D.
 MAIN OFC. 286 E. HAMILTON AVE, STE. A LARRY ARMSTRONG
 CAMPBELL CA 95008 (408) 374-2001
 Golden State oil does waste oil, ANTIFREEZE & FILTERS.
 Cintas has RAB & uniform contract. Old CORNER GAS STATION
 Building. UST still in place. Two Bay GARAGE AREA ALSO USE
 COVERED FUEL ISLANDS. NO FLOOR DRAINS, NO STORM DRAINS EXCEPT
 curb gutter. RAW OIL STORAGE OK, WASTE OIL POURED INTO
 circle as appropriate OVER

RCRA Information Distributed and Discussed

Water: City Well Both Industrial Waste Discharged: Yes No
 Water/Wastewater Use Metered: Yes No ? Haz Mats: Yes No
 Sample Site: - Manhole - Sump - Cleanout - Sample Port - Pretreatment Unit
 Other (Specify) N/A

Existing UST. Below GRADE. Filler neck standing in
oil. DRAINED FILTER DRUMS AND USED RAGS STORED ON
RAISED PAD WITH FENCE, NO ROOF. PAD HAS OIL STAINS
AND FILTER DRAIN NOT FITTED DUE TO OVER FILLING DRAIN.

INSIDE SHOP FLOOR CLEAN, WET MOPPED OCCASIONALLY.

ALSO DO TUNE UPS AND LUBE CHANGES UNDER OLD ROOFED
FUEL ISLANDS. FOUND SPILLED WASTE ANTI-FREEZE ON FUEL
ISLAND PAD. TOLD MR. TACINTO TO CLEAN IT UP AND NOT
LET FLUIDS GET TO STREET.

Hazardous Waste Inventory Statement

Business Name:			Business Address:			206 Trade Secret yes no		202 Chemical Location Confidential yes no			200 Add <input type="checkbox"/> Revise <input type="checkbox"/> Delete <input type="checkbox"/>					
210 Haz Class	201 203 204 CL	208 EHS	205, 207, 226, 227, 228 Chemical & Common Name Chemical Names of Hazardous Components and % Weight	209 229 CAS #	220 CA Waste Code	211, 214 Physical State	219 Annual Waste Amount	215, 217, 218 Quantity Stored			221 Units	222 Days On Site	223, 224, 225 Storage Codes			216 SARA Hazard Class(es)
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Lgst. Cont.	Average	Max.	gal. lbs. cu.ft.		Cont. Type(s)	Pressure	Temp.	
FL	STORAGE #1713	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	USED ENGINE OIL PETROLCON HYDROCA 100%	NA	221	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	240	100	400	500		365	AGT	<input checked="" type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input checked="" type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input checked="" type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input type="checkbox"/> delayed
MISC	STORAGE 1-3	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	USED ANTIFREEZE ETHYLENE GLYCOL 50% WATER 50%	107-21-1 NA	3743	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	55	25	40	55		365	SD	<input checked="" type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input checked="" type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input checked="" type="checkbox"/> del.
COR	BATH 1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	WASTE LEAD BATTERY SULFURIC ACID 75 LEAD 25% NEW	7664-93-5 7431-92-1	712	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas	NA	NA	NA	NA		365	BX	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input checked="" type="checkbox"/> delayed
		<input type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas						365		<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input type="checkbox"/> delayed
		<input type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas						365		<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input type="checkbox"/> delayed
		<input type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas						365		<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input type="checkbox"/> delayed
		<input type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas						365		<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input type="checkbox"/> delayed

223 Container Codes: AGT - Above ground tank; B - Bag; BX - Box; C - Carboy; CYL - Cylinder; FD - Fiber Drum; GB - Glass Bottle; PB - Plastic Bottle; PD - Plastic/Nonmetallic Drum; SD - Steel Drum; S - Silo; TB - Tote Bin; TW - Tank Wagon; UST - Underground Tank; O - Other

210 Hazard Classes: CL - Combustible Liquid; COR - Corrosive; EXP - Explosive; FG - Flammable Gas; FL - Flammable Liquid; FS - Flammable Solid; OPX - Organic Peroxide; OXY - Oxidizer; PG - Poisonous Gas; MISC - Miscellaneous Hazardous Materials; NFG - Nonflammable Gas; PM - Poisonous Material; RAD - Radioactive Material

Date: 8-21-00

Page 1 of 1

Rev. 5/00

Non-Waste Hazardous Materials Inventory Statement

3 Business Name: <u>QUALITY TUNE-UP</u>			Business Address: <u>14901 E 14TH ST</u>			206 Trade Secret <input checked="" type="checkbox"/> Yes	202 Chemical Location Confidential <input checked="" type="checkbox"/> Yes	200 Add <input type="checkbox"/>	Revise <input checked="" type="checkbox"/>	Delete <input type="checkbox"/>					
210 Haz Class	201 203 204 CL	208 EHS	205, 207, 226, 227, 228 Chemical Names of Hazardous Components and % Weight	209 229 CAS #	212 213 RAD	211, 214 Physical State	215, 217, 218 Quantity Stored			221 Units	222 Days On Site	223 224 Storage Codes		225	216 SARA Hazard Class(es)
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	Lgst. Cont.	Average	Max.	gal. lbs. cu.ft.	<input checked="" type="checkbox"/> 365	Cont. Type(s)	Pressure	Temp.	
FL PM COR	#123		ANTIFREEZE ETHYLENE GLYCOL 50% WATER 50%	107-21-1 N/A			30	40	55			SD	<input checked="" type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input checked="" type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input checked="" type="checkbox"/> delayed
MISC	INSIDE ROOM (2)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MOTOR OIL 10-40 18-30 PETROLEUM 5-30 HYDROCARBON 30 100% 20-50	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input checked="" type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	200	300	575	<input checked="" type="checkbox"/> gal. <input type="checkbox"/> lbs. <input type="checkbox"/> cu.ft.	<input type="checkbox"/> 365	AGT	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input checked="" type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input checked="" type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input type="checkbox"/> delayed
		<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas				<input type="checkbox"/> gal. <input type="checkbox"/> lbs. <input type="checkbox"/> cu.ft.	<input type="checkbox"/> 365		<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input type="checkbox"/> delayed
		<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas				<input type="checkbox"/> gal. <input type="checkbox"/> lbs. <input type="checkbox"/> cu.ft.	<input type="checkbox"/> 365		<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input type="checkbox"/> delayed
		<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas				<input type="checkbox"/> gal. <input type="checkbox"/> lbs. <input type="checkbox"/> cu.ft.	<input type="checkbox"/> 365		<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input type="checkbox"/> delayed
		<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas				<input type="checkbox"/> gal. <input type="checkbox"/> lbs. <input type="checkbox"/> cu.ft.	<input type="checkbox"/> 365		<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb.	<input type="checkbox"/> amb. <input type="checkbox"/> >amb. <input type="checkbox"/> <amb. <input type="checkbox"/> cryo.	<input type="checkbox"/> fire <input type="checkbox"/> pressure <input type="checkbox"/> reactive <input type="checkbox"/> immediate <input type="checkbox"/> delayed

223 Container Codes: AGT - Above ground tank; B - Bag; BX - Box; C - Carboy; CYL - Cylinder; FD - Fiber Drum; GB - Glass Bottle; PB - Plastic Bottle; PD - Plastic/Nonmetallic Drum; SD - Steel Drum; S - Silo; TB - Tote Bin;
 TW - Tank Wagon; UST - Underground Tank; O - Other
210 Hazard Classes: CL - Combustible Liquid; COR - Corrosive; EXP - Explosive; FG - Flammable Gas; FL - Flammable Liquid; FS - Flammable Solid; OPX - Organic Peroxide; OXY - Oxidizer; PG - Poisonous Gas;
 MISC - Miscellaneous Hazardous Materials; NFG - Nonflammable Gas; PM - Poisonous Material; RAD - Radioactive Material

Alameda Countywide Clean Water Program Standard Stormwater Facility Inspection Form

Municipality: San Leandro
 Date: 8/21/02
 Inspector: Wagner
 Facility has closed or info has changed

Facility Name Quality Tune-up Shops #32 and address: 14901 E 14th St San Leandro, CA 94578	Contact: Robert Barbero Phone: 276-0727 SIC Code: 7538	Insp. Type: Routine Inspection Business Type: Auto Tune-Up, Lube & Smog Work
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Other Applicable Programs:

<input type="checkbox"/> Air Quality	<input checked="" type="checkbox"/> HMBP	<input type="checkbox"/> UST	<input type="checkbox"/> Sanitary Sewer	<input type="checkbox"/> Retail Food Facility
<input checked="" type="checkbox"/> Fire Dept.	<input checked="" type="checkbox"/> Haz Waste Generator	<input type="checkbox"/> AST	<input type="checkbox"/> Others <u>LAND COVERED, AREAS USED FOR</u>	

Is the facility covered under a storm water permit?

<input checked="" type="checkbox"/> Does not need coverage	<input type="checkbox"/> Individual	Facility has an SWPPP: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> No, but may need to be (Refer to Regional Board)	<input type="checkbox"/> General	

N/A = Not Applicable (blank = N/A, checked = A), PTNTL = Potential for Pollutant Discharge; 1 = low; 2 = medium; 3 = high; 9 = unknown; ACTUAL Discharge Type: BMP: 0 = Effective; 1 = fairly/almost effective; 2 = not effective; 3 = no BMPs implemented; 9 = unknown; PEX = Pollutant Exposure, NSW = Non-Stormwater Discharge

AREAS OF ACTIVITY	N/A	PTNTL	Actual			Remarks	Required Corrective Action
			BMP	PEX	NSW		
A. Outdoor Processes/Manufacturing Areas	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
B. Outdoor Material Storage Areas	<input checked="" type="checkbox"/>	1	1	<input type="checkbox"/>	<input type="checkbox"/>	see comments below	<input type="checkbox"/>
C. Outdoor Waste Storage/Disp. Areas	<input checked="" type="checkbox"/>	1	1	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
D. Outdoor Veh/Hvy. Eq. Storage, Maint.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
E. Outdoor Parking Area Access & Roads	<input checked="" type="checkbox"/>	2	1	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
F. Outdoor Wash Areas	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
G. Rooftop Equipment Areas	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
H. Outdoor Drainage from Indoor Areas	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
I. Other (Describe)	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

Additional Comments/Remarks: Maintenance required in Storm Drain System? Yes No

Outdoor storage area contained used oil filter drum, 85 overpack with used oil/coolant solution, and empty lube containers. As part of the CUPA inspection, they must properly recycle empty containers and dispose of used oil/coolant solution as hazardous waste. There were visible stains from spills, etc. Overall, the housekeeping was very poor and needs improvement.

Outdoor trash bin was covered.

Drip pans are available for leaking cars parked outside, however, during the inspection there was a car leaking several gallons of water/coolant which was flowing toward the sidewalk. Advised service manager to clean it up immediately.

Some work is done outdoors since the shop is quite small (2-3 car capacity). There are several awnings where most of the outdoor work is performed. There was also evidence of many previous oil leaks in the outdoor work areas.

The majority of used auto fluids are stored indoors except for drums mentioned above in outdoor storage area.

Priority for Re-Inspection: <input type="checkbox"/> First <input type="checkbox"/> Second <input type="checkbox"/> Third	Enforcement:	<input type="checkbox"/> Informal Violation	<input type="checkbox"/> Administrative Action	
	<input type="checkbox"/> Verbal Notice	<input type="checkbox"/> Formal Violation	<input type="checkbox"/> Administrative Penalty	
	<input type="checkbox"/> Warning Notice	<input type="checkbox"/> Legal Action		

Alameda Countywide Clean Water Program
Standard Stormwater Facility Inspection Report Form

Municipality: SAN LEANDRO
 Date: 09/20/2000
 Inspector: Michael Balliet
 Facility has closed or info has changed

First Inspection Routine Inspection Response to Complaint Follow-up Follow-up date: / /

Facility name: QUALITY TUNE-UP SHOP #32

Address: 14901 E. 14TH ST. Suite:
 City: SAN LEANDRO State: CA Zip Code: 94578

Contact: Robert Barbero Phone: 510-276-0727
 Business type: AUTO TUNE-UP, LUBE, & SMOG WORK SIC Code: 7538

Is the facility covered under any other programs or permits? (check all that apply) Retail food facility
 Air quality Hazmat business plan Underground storage tanks Sanitary sewer
 Fire Dept. Hazmat waste generator Above ground storage tanks Others

Is the facility covered under a storm water permit?
 Does not need coverage No, but may need to be (Refer to Regional Board)
 Individual General: Does the facility have a SWPPP? Yes No

N/A=Not Applicable; PTNTL=Potential for Pollutant Discharge; 1=low; 2=medium; 3=high; 9=unknown;
 ACTUAL Discharge Type: BMP: 0=effective; 1=fairly/almost effective; 2=not effective; 3=no BMPs implemented; 9=unknown
 PEX=Pollutant Exposure, NSW=Non-Stormwater Discharge

AREAS OF ACTIVITY	N/A	PTNTL	ACTUAL			REMARKS
			BMP	PEX	NSW	
A. Outdoor Process/Manufacturing Areas	X					
B. Outdoor Material Storage Areas		1	1			Fenced storage area with used antifreeze drum and *
C. Outdoor Waste Storage/Disposal Areas		1	1			Outdoor trash bin with closed lid. Also see above.
D. Outdoor Veh/Heavy Eq. Storage, Maint.		1	1			Some work is done outside. It is usually done under awnings *
E. Outdoor Parking Area Access and Roads		1	1			The lot was pretty clean. There were no major stains.
F. Outdoor Wash Areas	X					
G. Rooftop Equipment Areas	X					
H. Outdoor Drainage from Indoor Areas	X					
I. Other (describe):	X					

Additional Comments/Remarks: Maintenance Required in Storm Drain System ? Yes No
 B) inside overpack. Also were several empty 20 gallon drums of motor oil, some without tops. There was excess spillage from the drums on the ground. This looked very messy. It needs to be cleaned up.
 D) There were some stains from older spills. They use absorbant and rags to clean up spills.

Priority for Re-inspection: First Second Third

Enforcement: Administration Action Administration Penalty
 Verbal Notice Warning Notice Informal Violation Formal Violation Legal Action



Alameda Countywide
Clean Water Program
Standard Stormwater Facility Inspection Report Form

Municipality: City of San Leandro
Date: 9-25-98

Reason for Inspection: First Inspection Routine Inspection Response to Complaint Facility has closed or Facility Information has changed

NAME OF FACILITY: Quality Tune-Up Shop #32 SITE ADDRESS: 14901 E 14th Street

CONTACT NAME: Frank Jacinto PHONE: (510) 276-0727 BUSINESS TYPE/ACTIVITY: General Automotive and Lube SIC: 7538

Is the property owner different than the facility owner? yes no If yes, complete the following:
NAME: Diana Pagano PHONE: (510) 547-0581
MAILING ADDRESS: 6912 Broadway Terrace, Oakland, CA 94611

Is the facility covered under any other programs or permits? (Check all that apply.)
 Air quality Hazmat business plan None Sanitary sewer
 Fire department (hazmat storage) Hazmat waste generator Underground storage tanks Aboveground storage tanks
 Other

Is the facility covered under a storm water permit? Does not need Coverage No, but may need to be (Refer to Regional Board)
 Individual General: Does the facility have a SWPPP? yes no

N/A = Not Applicable; PTNL = POTENTIAL for Pollutant Discharge: 1 = low potential, 2 = medium potential, 3 = high potential
ACTUAL Type of Discharge: BMP: 0 = BMPs are effective, 1 = BMPs are fairly/almost effective, 2 = BMPs are not effective, 3 = No BMPs are implemented
PEX = Pollutant Exposure, NSW = Non-Stormwater Discharge

AREAS OF ACTIVITY	N/A	PTNL	ACTUAL Type of Discharge			REMARKS: Describe recommendations, requirements, and time to implement. Check box if remark is a requirement.
			BMP	PEX	NSW	
A. Outdoor Process/Manufacturing Areas	X					<input type="checkbox"/>
B. Outdoor Material Storage Areas		1	1			<input type="checkbox"/> Fenced storage area containing used oil filter drum with lid and a 55 gallon -
C. Outdoor Waste Storage/Disposal Areas		1	0			<input type="checkbox"/> trash bin with lid in place.
D. Outdoor Vehicle and Heavy Equipment Storage, Maintenance Areas		1	1			<input type="checkbox"/> Some work done outside under an awning. Saw no spills.
E. Outdoor Parking Areas and Access Roads		1	0			<input type="checkbox"/> Parking area for customer cars. It was very clean. They have -
F. Outdoor Wash Areas	X					<input type="checkbox"/>
G. Rooftop Equipment	X					<input type="checkbox"/>
H. Outdoor Drainage from Indoor Areas	X					<input type="checkbox"/>
I. Other (describe):						<input type="checkbox"/>

ADDITIONAL COMMENTS/REMARKS: (B) poly drum of antifreeze inside an 85 gallon overpack drum (overpack drum is serving as secondary containment).
(E) an aggressive policy of cleaning up spills immediately with rags and absorbent.
 See attached for more comments.

FIRST Follow-up Inspection (Date & Findings): _____ SECOND Follow-up Inspection (Date & Findings): _____

PRIORITY FOR RE-INSPECTION: 1; First 2; Second 3; Third

ENFORCEMENT: None Verbal Notice Administrative Action Administrative Action w/ Penalty &/or Cost Recovery Legal Action

Facility Representative Signature: _____ Date: 9-25-98

Print Name of Facility Representative: Frank Jacinto Inspector's Signature: Will P. Davis

CITY of SAN LEANDRO
ENVIRONMENTAL COMPLIANCE SECTION
INSPECTION REPORT

DATE: September 25, 1998 TIME: 1300 INSPECTOR: David R. Denis
 BUSINESS NAME: Quality Tune Up, Shop #32
 CONTACT: Frank Jacinto TITLE: Owner
 BUSINESS ADDRESS: 14901 E 14th Street PHONE: (510) 276-0727

REASON FOR INSPECTION: Routine Inspection

CATEGORY 6

INSPECTION REVIEW:

Inspected Manufacturing Facilities	Yes
Inspected Process Used	Yes
Inspected Pretreatment Facilities	N/A
Inspected Substances Discharged	Yes
Inspected Chemical Storage	Yes
Inspected Drainage	Yes
Inspected Waste Manifest	No
Copies of all MSDS on file	Yes
Inspector has copy of all MSDS in file	No
Inspected Spill Prevention Procedures	Yes
Inspected Self-Monitoring Procedures	N/A
Inspected Laboratory Procedures	N/A
Follow-up Required	No

NOTES AND COMMENTS:

This was a routine inspection of *Quality Tune Up*. There has been no change in business in the past year. It occupies an entire small block, and it was formerly a service station. The vast majority of the work is done inside in the service bay, although a small amount of work is done outside under an awning. The service bay was very clean, and there were no spill stains under the awning. Waste oil is stored in drums inside. Drums were very clean. *Evergreen* picks up their waste oil. They have a fenced outside area where they store their used antifreeze and used oil filters. The antifreeze drum is in a 55-gallon poly drum stored inside an 85-gallon steel drum. The 85-gallon drum is serving as secondary containment. The oil filters are drummed in a 55-gallon open top drum with the lid in place. The antifreeze is hauled by *Evergreen*, and *Golden State* hauls the oil filters. The parking lot had numerous cars in it, but I did not see any signs of oil spills. They keep a large amount of both rags and absorbent for spills. They keep both manifest copies and MSDS's in their files. We discussed spill containment and storm water issues. Overall, this facility was extremely clean.

RCRA Information Distributed and Discussed:

Water: City Well Both

Water/Wastewater Use Metered: Yes No

Sample Site: - Manhole - Sump - Cleanout - Sample Port - Pretreatment Unit

Other (specify) N/A

Industrial Waste Discharged: Yes

Hazardous Materials: Yes No

No

DR

Alameda Countywide
Clean Water Program
Standard Stormwater Facility Inspection Report Form

Municipality: San Leandro
Date: 10/6/97

Reason for Inspection: First Inspection Routine Inspection Response to Complaint Facility has closed or Facility Information has changed

NAME OF FACILITY: Quality Tune-Up Shop # 32 SITE ADDRESS: 14901 E. 14th Street

CONTACT NAME: Frank Jacinto PHONE: 276-0727 BUSINESS TYPE/ACTIVITY: General Automotive & Lube SIC: 7538

Is the property owner different than the facility owner? yes no If yes, complete the following:
NAME: Diana Pagano PHONE: 547-0581
MAILING ADDRESS: 6912 Broadway Terrace Oakland CA 94611

Is the facility covered under any other programs or permits? (Check all that apply.)
 Air quality Hazmat business plan None Sanitary sewer
 Fire department (hazmat storage) Hazmat waste generator Underground storage tanks Aboveground storage tanks
 Other

Is the facility covered under a storm water permit? Does not need Coverage No, but may need to be (Refer to Regional Board)
 Individual General: Does the facility have a SWPPP? yes no

N/A = Not Applicable; PTNL = POTENTIAL for Pollutant Discharge: 1 = low potential, 2 = medium potential, 3 = high potential
ACTUAL Type of Discharge: BMP: 0 = BMPs are effective, 1 = BMPs are fairly/almost effective, 2 = BMPs are not effective, 3 = No BMPs are implemented
PEX = Pollutant Exposure, NSW = Non-Stormwater Discharge

AREAS OF ACTIVITY	N/A	PTNL	ACTUAL Type of Discharge			REMARKS: Describe recommendations, requirements, and time to implement. Check box if remark is a requirement.
			BMP	PEX	NSW	
A. Outdoor Process/Manufacturing Areas	X					<input type="checkbox"/>
B. Outdoor Material Storage Areas		1	1			<input type="checkbox"/> Fenced storage area full. Need to throw away excess. No new spills
C. Outdoor Waste Storage/Disposal Areas		1	1			<input type="checkbox"/> Trash bin lid open because broken. Told Frank to fix it ASAP. & keep it closed.
D. Outdoor Vehicle and Heavy Equipment Storage, Maintenance Areas		1	1			<input type="checkbox"/> Work under the awning & roofed areas. Saw no spills.
E. Outdoor Parking Areas and Access Roads		1	1			<input type="checkbox"/> Small amounts of debris & litter. Wind is blowing litter around site.
F. Outdoor Wash Areas	X					<input type="checkbox"/>
G. Rooftop Equipment	X					<input type="checkbox"/>
H. Outdoor Drainage from Indoor Areas	X					<input type="checkbox"/>
I. Other (describe):						<input type="checkbox"/>

ADDITIONAL COMMENTS/REMARKS:
UST taken out & not in service.
 See attached for more comments.

FIRST Follow-up Inspection (Date & Findings): _____ SECOND Follow-up Inspection (Date & Findings): _____

PRIORITY FOR RE-INSPECTION: 1; First 2; Second 3; Third

ENFORCEMENT: None Verbal Notice Warning Notice Informal Violation Formal Violation Legal Action

Facility Representative Signature: _____ Date: 10/6/97
Name of Facility Representative: _____ Inspector's Signature: Alexander Paredes
EOA, Inc. (FAAL49-10A2INSP.RPT; September 1995)

**CITY of SAN LEANDRO
ENVIRONMENTAL COMPLIANCE SECTION
INSPECTION REPORT**

DATE: 9/24/96 TIME: 1240 INSPECTOR: J. Camp
 BUSINESS NAME: Quality Tune-up Shop #32
 CONTACT: FRANK JACINTO, MANAGER TITLE: _____
 BUSINESS ADDRESS: 14901 E. 14th St. PHONE: 276-0727

REASON FOR INSPECTION: Annual Prepermit Violation Other
 CATEGORY 1 2 3 4 6

INSPECTION REVIEW:

Inspected Manufacturing Facilities	YES	NO	<u>N/A</u>
Inspected Process Used	<u>YES</u>	NO	<u>N/A</u>
Inspected Pretreatment Facilities	YES	NO	<u>N/A</u>
Inspected Substances Discharged	<u>YES</u>	NO	<u>N/A</u>
Inspected Chemical Storage	<u>YES</u>	NO	<u>N/A</u>
Inspected Drainage	<u>YES</u>	NO	<u>N/A</u>
Inspected Waste Manifests	<u>YES</u>	NO	<u>N/A</u>
Copies of all MSDS on file	<u>YES</u>	NO	<u>N/A</u>
Inspector has copy of all MSDS in file	YES	NO	<u>N/A</u>
Inspected Spill Prevention/Procedures	<u>YES</u>	NO	<u>N/A</u>
Inspected Self Monitoring Procedures	YES	NO	<u>N/A</u>
Inspected Laboratory Procedures	YES	NO	<u>N/A</u>
Follow-up Required	YES	<u>NO</u>	<u>N/A</u>

NOTES AND COMMENTS

No change in Business since last year. Insp shop Pays, orderly and clean. Some spillage around Bulk Raw Cube tanks inside shop. Insp maint area under awning, some spillage which should have been cleaned up when vehicle working on was moved out. Also saw some spillage around ~~oil~~ neck. Insp Trash Drop Box, ok. Insp Fenced Storage Area, House Keeping Behind, Have a lot of old stuff which is not used and could be disposed of. Also some trash which needs picking up.
 circle as appropriate over

RCRA Information Distributed and Discussed

Water: City Well Both

Industrial Waste Discharged:

Yes No
 Haz Mats Yes No

Water/Wastewater Use Metered: Yes No

Sample Site: - Manhole - Sump - Cleanout - Sample Port - Pretreatment Unit

Other (Specify) N/A

J. Camp

Alameda Countywide
Clean Water Program
Standard Stormwater Facility Inspection Report Form

Municipality: SAN LEANDRO

Date: 9/24/96

Reason for Inspection: First Inspection Routine Inspection Response to Complaint Facility has closed or Facility Information has changed

NAME OF FACILITY: QUALITY Tune-up Shop #32 SITE ADDRESS: 14901 E 14th St. SAN LEANDRO CA 94578

CONTACT NAME: FRANK JACINTO PHONE: 276-0727 BUSINESS TYPE/ACTIVITY: Auto Tune-up, Lube + Smog Work SIC: 7538

Is the property owner different than the facility owner? yes no If yes, complete the following:

NAME: DIANA PAGANO PHONE: 547-0581

MAILING ADDRESS: 6912 BROADWAY TERRACE OAKLAND CA 94611

Is the facility covered under any other programs or permits? (Check all that apply.)
 Air quality Hazmat business plan Underground storage tanks Sanitary sewer
 Fire department(hazmat storage) Hazmat waste generator Other Aboveground storage tanks

Is the facility covered under a storm water permit? Does not need Coverage No, but may need to be (Refer to Regional Board)
 Individual General: Does the facility have a SWPPP? yes no

N/A = Not Applicable; PTNL = POTENTIAL for Pollutant Discharge: 1 = low potential, 2 = medium potential, 3 = high potential
 ACTUAL Type of Discharge: BMP: 0 = BMPs are effective, 1 = BMPs are fairly/almost effective, 2 = BMPs are not effective, 3 = No BMPs are implemented
 PEX = Pollutant Exposure, NSW = Non-Stormwater Discharge

AREAS OF ACTIVITY	N/A	PTNL	ACTUAL Type of Discharge			REMARKS: Describe recommendations, requirements, and time to implement. Check box if remark is a requirement.
			BMP	PEX	NSW	
A. Outdoor Process/Manufacturing Areas	<input checked="" type="checkbox"/>					<input type="checkbox"/>
B. Outdoor Material Storage Areas		1	1			<input type="checkbox"/> FENCED STORAGE AREA JUNKY, NEED TO GET RID OF EXCESS AND KEEP UP WITH HOUSEKEEPING.
C. Outdoor Waste Storage/Disposal Areas		1	1			<input type="checkbox"/> TRASH BOX LIDS IN PLACE. SOME SPILLAGE AROUND. OIL TANK FULLER NECK
D. Outdoor Vehicle and Heavy Equipment Storage, Maintenance Areas		1	1			<input type="checkbox"/> UNDER AWNINGS BUT NEED TO STAY UP ON SPILL CLEAN UP
E. Outdoor Parking Areas and Access Roads		1	1			<input type="checkbox"/> A FEW DRIPS + STAINS. SAW NO TRASH OR DEBRIS.
F. Outdoor Wash Areas	<input checked="" type="checkbox"/>					<input type="checkbox"/>
G. Rooftop Equipment	<input checked="" type="checkbox"/>					<input type="checkbox"/>
H. Outdoor Drainage from Indoor Areas	<input checked="" type="checkbox"/>					<input type="checkbox"/>
I. Other (describe):						<input type="checkbox"/>

ADDITIONAL COMMENTS/REMARKS: HOUSE KEEPING AND SPILLAGE CLEAN UP A LITTLE SLACK. NEED TO WIPE UP SPILLS WHEN THEY OCCUR.

See attached for more comments.

FIRST Follow-up Inspection (Date & Findings): _____ SECOND Follow-up Inspection (Date & Findings): _____

PRIORITY FOR RE-INSPECTION: 1; First 2; Second 3; Third

ENFORCEMENT: None Verbal Notice Warning Notice Informal Violation Formal Violation Legal Action

Facility Representative Signature: _____ Date: 9/25/96

Print Name of Facility Representative: _____ Inspector's Signature: Jahua Lopez

204X



Alameda County Urban Runoff Clean Water Program

A Consortium of Local Agencies

Municipality: SAN LEANDRO

Agency Conducting Inspection: SLWPCP

Inspector: J. Camp

Date of inspection: 9/19/95

Date of last inspection: 9/19/94

Standard Industrial and Commercial Business Inspection Report

I. Background Information (as reported by Facility Contact)

1. Name of Facility: QUALITY TUNE-UP SHOP #32 ACURID: 3973

2. Site Address: 14901 E. 14th St. SAN LEANDRO CA 94578

3. Name of Contact: FRANK TACINTO, MANAGER 4. Phone No. of Contact: 276-0727

5. Mailing Address: SAME

6. Business Type or Activity: AUTOMOTIVE TUNE-UP, CUBE AND SMOG CHECK

7. Standard Industrial Classification (SIC): 7538

8. Is property owner different from facility owner? yes no
 If yes, complete the following:
 Name of Property Owner: DIANE PASARO Phone No.: 547-0581
 Mailing Address of Property Owner: 6912 BROADWAY TERRACE OAKLAND CA 94611

9. Is the facility covered under any other permits? HMAP DTSC
 none air quality sanitary sewer underground storage tanks

10. Does the facility have a spill prevention plan? yes no

11. Have there been any prior complaints or reports of illicit discharge regarding the facility? yes no

II. General Industrial Activity Storm Water NPDES Permit

1. Describe the facility's status for coverage under a storm water permit:
 Facility is not covered and does not appear to need coverage.
 Facility is not covered but should be. (Send copy of inspection report to Regional Board staff.)
 Facility is not covered but may require coverage. Additional clarification is required from the Regional Board.
 Facility is covered. Circle one: general or individual

2. If the facility/mobile operation is covered under the General Industrial Activity Storm Water NPDES permit, answer the following:

a. Does the facility have a Storm Water Pollution Prevention Plan (SWPPP)? yes no
 If yes: Does the SWPPP identify potential pollutants? yes no
 Does the SWPPP identify BMPs? yes no
 Does the SWPPP certify that there are no illicit discharges? yes no
 Is the SWPPP being implemented? yes no

b. Describe the facility's status for conducting storm water monitoring.
 Facility has self-certified no exposure.
 Facility has or is in the process of obtaining municipal-certification and is exempt from conducting monitoring.
 Facility is part of a group monitoring plan.
 Facility is implementing a monitoring plan and is waiting for the wet season to conduct sampling.
 Facility is not implementing a monitoring plan.

3. Comments/Follow-up to the Regional Board

INSPECTION REPORT

Facility Name QUALITY TUNE-UP # 32	Facility Address 14901 EAST 14th ST.
Facility Contact/Signature Bob BARBERO / X 12m Barbero	Phone Number 276-0727
Inspector LW	Date of Inspection 8/21/02

CAL 921632642

Description of Violation	
1. Hazardous Materials Reporting	
<input type="checkbox"/> a.	Submit a Hazardous Materials Business Plan (HMBP)
<input type="checkbox"/> b.	Revise existing HMBP: _____
<input type="checkbox"/> c.	Submit a SQ Hazardous Materials and Waste Registration
<input type="checkbox"/> d.	Submit a CUPA Programs Registration
<input type="checkbox"/> e.	Submit permit/registration fees of \$ _____
<input type="checkbox"/> f.	Submit Material Safety Data Sheets (MSDS)
2. Storage Requirements	
<input type="checkbox"/> a.	Relocate hazardous materials/waste storage area
<input type="checkbox"/> b.	Separate incompatible materials by 20 feet/noncombustible partition/separate storage cabinets
<input type="checkbox"/> c.	Provide secondary containment for _____
<input checked="" type="checkbox"/> d.	Properly label/store/recycle empty containers
<input type="checkbox"/> e.	Provide approved flammable liquids storage cabinet
<input type="checkbox"/> f.	Store unused chemicals in approved storage cabinets
<input type="checkbox"/> g.	Properly secure compressed gas cylinders
<input type="checkbox"/> h.	Reduce volume of regulated materials in storage area
<input checked="" type="checkbox"/> i.	Secure hazardous materials/waste storage area
<input type="checkbox"/> j.	Store contaminated rags in approved container with lid
<input type="checkbox"/> k.	Containers in poor condition/transfer contents
<input type="checkbox"/> l.	Hazardous material/waste incompatible with container
<input type="checkbox"/> m.	Maintain clearance from combustibles
<input type="checkbox"/> n.	Label tanks with chemical name and hazards
3. Dispensing, Use and Mixing Requirements	
<input type="checkbox"/> a.	Provide approved dispensing system
<input type="checkbox"/> b.	Provide bonding and grounding for containers
<input type="checkbox"/> c.	Relocate dispensing, mixing area
<input type="checkbox"/> d.	Containers must be closed or sealed except during transfer
4. General Facility Requirements	
<input type="checkbox"/> a.	Clean secondary containment/maintain in dry state
<input type="checkbox"/> b.	Discontinue discharge of hazardous materials/wastes
<input type="checkbox"/> c.	Provide/maintain spill control supplies
<input type="checkbox"/> d.	Clean up spills and leaks immediately
<input type="checkbox"/> e.	Post NFPA 704 (diamond) placards at required locations

Description of Violation	
<input type="checkbox"/> f.	Provide _____ extinguisher(s) with a min. rating of _____
<input type="checkbox"/> g.	Service fire extinguishers (annual service required)
<input type="checkbox"/> h.	Post "No Smoking" signs
<input type="checkbox"/> i.	Maintain adequate aisle space in _____
5. Hazardous Waste Requirements	
<input type="checkbox"/> a.	Obtain an EPA ID number for your facility
<input type="checkbox"/> b.	File an On-site Hazardous Waste Treatment Notification
<input type="checkbox"/> c.	Discontinue illegal treatment/recycling
<input type="checkbox"/> d.	HW transporter and TSDF must have EPA ID number
<input type="checkbox"/> e.	Determine if _____ is hazardous waste
<input type="checkbox"/> f.	Properly label hazardous waste containers
<input checked="" type="checkbox"/> g.	Hazardous waste must be disposed of within <u>30</u> days of the accumulation start date
<input type="checkbox"/> h.	Inspect container storage area weekly
<input type="checkbox"/> i.	Inspect tank system and surrounding area daily
<input type="checkbox"/> j.	Contaminated rags must be sent to an approved laundry
<input checked="" type="checkbox"/> k.	Properly label and manage used oil filters (Label provided)
<input type="checkbox"/> l.	Properly label and manage damaged batteries
<input type="checkbox"/> m.	Hazardous waste may be transported to HHW facility
6. Emergency Response Plan and Procedures	
<input type="checkbox"/> a.	Prepare/revise emergency response plan/contingency plan
<input type="checkbox"/> b.	Maintain copy of plan on-site
<input type="checkbox"/> c.	Emergency Coordinator must be familiar with plan
7. Recordkeeping	
<input type="checkbox"/> a.	Inadequate hazardous waste manifesting procedures
<input type="checkbox"/> b.	Retain hazardous waste manifests for 3 years
<input type="checkbox"/> c.	Retain Land Disposal Restriction certificates for 3 years
<input type="checkbox"/> d.	Retain hazardous waste analyses for 3 years
<input checked="" type="checkbox"/> e.	Retain milkrun receipts for 3 years
<input type="checkbox"/> f.	Retain training records for 3 years
8. Personnel Training	
<input type="checkbox"/> a.	Provide emergency response training annually
<input type="checkbox"/> b.	Train new employees within 6 months of hire
<input type="checkbox"/> c.	Maintain adequate training documentation on-site

Comments: 2d - REMOVE/RECYCLE EMPTY LUBE DRUMS LOCATED IN OUTDOOR LOCKED STORAGE AREA.
2i - RELOCATE NEW ANTIFREEZE DRUM (DO NOT STORE ON EDGE OF OIL TANK.) ALSO, LABEL DRUM TO IDENTIFY CONTENTS AS ANTIFREEZE.
2k - LABEL USED OIL FILTER DRUM (Label provided)

Keep copies of receipts / B/L of loading for 3 years
 All minor violations listed above must be corrected within 30 days. Within 5 days of correcting all violations, sign below and return a signed copy to this office. Additional comments or other violations are listed in the attached inspection reports. The facility is subject to reinspection at any time.

I have corrected all of the minor violations noted above.

PERMIT TO OPERATE
UNDERGROUND STORAGE TANK
SAN LEANDRO FIRE DEPARTMENT

PERMIT NO. 53911

FACILITY NAME Quality Tuneup
ADDRESS 14901 East 14th St

ISSUED 2/14/91
EXPIRES JULY 1, 1995

	TANK 1	TANK 2	TANK 3	TANK 4	TANK 5	TANK 6	TANK 7	TANK 8	TANK 9	TANK 10
CAPACITY (GAL)	200									
CONTENT	W0									
DATE INSTALLED	UNK									
MONITORING OPT	5									

POST IN A CONSPICUOUS LOCATION

ISSUED BY *Michael Babell*
Hazardous Materials Coordinator



FORM 'B'
TANK

UNDERGROUND STORAGE TANK PROGRAM
TANK PERMIT APPLICATION INFORMATION

COMPLETE A SEPARATE FORM WITH THE FOLLOWING INFORMATION FOR EACH TANK.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED TANK
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input checked="" type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

FACILITY/SITE NAME WHERE TANK IS INSTALLED: _____ FARM TANK - YES NO

I. TANK DESCRIPTION COMPLETE ALL ITEMS - IF UNKNOWN -- SO SPECIFY

A. OWNERS TANK ID #	B. MANUFACTURED BY:
C. YEAR INSTALLED	D. TANK CAPACITY IN GALLONS: 200

II. TANK CONTENTS IF (A.1), IS MARKED, COMPLETE ITEM C. IF (A.1), IS NOT MARKED, COMPLETE ITEM D.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 2 PETROLEUM	B. <input type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1 UNLEADED	<input type="checkbox"/> 2 LEADED	<input type="checkbox"/> 3 DIESEL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input checked="" type="checkbox"/> 4 OIL	<input checked="" type="checkbox"/> 2 WASTE	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 5 HAZARDOUS	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 7 METHANOL	<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)	

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF HAZARDOUS SUBSTANCE STORED & C.A.S. # _____ C.A.S. #: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM	<input type="checkbox"/> 1 DOUBLE WALLED	<input type="checkbox"/> 3 SINGLE WALLED WITH EXTERIOR LINER	<input type="checkbox"/> 95 UNKNOWN
	<input checked="" type="checkbox"/> 2 SINGLE WALLED	<input type="checkbox"/> 4 SECONDARY CONTAINMENT	<input type="checkbox"/> 99 OTHER
B. TANK MATERIAL	<input type="checkbox"/> 1 STEEL/IRON	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input checked="" type="checkbox"/> 95 UNKNOWN
C. INTERIOR LINING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYD UNING	<input type="checkbox"/> 3 EPDYX UNING
	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN
	<input type="checkbox"/> IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? <input type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> 4 PHENOLIC UNING
D. CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 TAR OR ASPHALT	<input type="checkbox"/> 3 VINYL WRAP
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND, U IF UNDERGROUND, BOTH IF APPLICABLE.

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	<input checked="" type="checkbox"/> A U 91 NONE	A U 95 UNKNOWN	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALLED	A U 2 DOUBLE WALLED	A U 3 LINED TRENCH	<input checked="" type="checkbox"/> A U 91 NONE	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL	A U 1 STEEL/IRON	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	<input checked="" type="checkbox"/> A U 91 NONE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL CLAD W/FRP	A U 8 100% METHANOL COMPATIBLE FRP		
	A U 9 GALVANIZED STEEL	A U 95 UNKNOWN	A U 99 OTHER			

V. LEAK DETECTION SYSTEM CIRCLE P FOR PRIMARY, OR S FOR SECONDARY, A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.

<input checked="" type="checkbox"/> P S 1 VISUAL CHECK	<input type="checkbox"/> P S 2 INVENTORY RECONCILIATION	<input type="checkbox"/> P S 3 VADOSE WELLS	<input type="checkbox"/> P S 4 ELECTRONIC MONITOR	<input type="checkbox"/> P S 5 GROUND WATER MONITORING WELLS
<input checked="" type="checkbox"/> P S 6 PRECISION TESTING	<input type="checkbox"/> P S 7 PRESSURE TESTING	<input type="checkbox"/> P S 91 NONE	<input type="checkbox"/> P S 95 UNKNOWN	<input checked="" type="checkbox"/> P S 99 OTHER Tank Sealing

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? <input type="checkbox"/> YES <input type="checkbox"/> NO
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THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE) FRANKLIN A JACOBO	DATE 9-26-90
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LOCAL AGENCY USE ONLY

COUNTY # 01	JURISDICTION # 007	AGENCY #	FACILITY ID # 53911	TANK ID # 1
CURRENT LOCAL AGENCY FACILITY ID # 53911		APPROVED BY NAME M. Subalchi		PHONE # WITH AREA CODE (415) 577-3331
PERMIT NUMBER 53911	PERMIT APPROVAL DATE 2/14/91	PERMIT EXPIRATION DATE 7/1/95		
CHECK #	PERMIT AMOUNT	SURCHARGE AMT.	FEE CODE	RECEIPT #

STATE OF CALIFORNIA

WATER RESOURCES CONTROL BOARD



FORM 'A': SITE

UNDERGROUND STORAGE TANK PROGRAM FACILITY/SITE, INFORMATION and/or PERMIT APPLICATION

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input checked="" type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS — (MUST BE COMPLETED)

FACILITY/SITE NAME Quality Tune Up		CARE OF ADDRESS INFORMATION Frank Jacinto		
ADDRESS 14901 E. 14th St.		NEAREST CROSS STREET 150th	<input checked="" type="checkbox"/> Box to indicate <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> STATE AGENCY <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> FEDERAL AGENCY <input type="checkbox"/> COUNTY AGENCY	
CITY NAME San Leandro, CA		STATE CA	ZIP CODE 94577	SITE PHONE #, WITH AREA CODE (415) 276-0727
TYPE OF BUSINESS: <input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER		<input checked="" type="checkbox"/> Box if INDIAN RESERVATION or TRUST LANDS <input type="checkbox"/>		EPA ID # # of TANKs AT THIS SITE 1
EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY)		
DAYS: NAME (LAST, FIRST) Jacinto, Frank		PHONE # WITH AREA CODE (415) 276-0727		DAYS: NAME (LAST, FIRST) Barbevo, Robert
NIGHTS: NAME (LAST, FIRST) Jacinto, Frank		PHONE # WITH AREA CODE (415) 651-4396		NIGHTS: NAME (LAST, FIRST) Barberoy, Robert
		PHONE # WITH AREA CODE (408) 262-5301		

II. PROPERTY OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME Diana Pagano		CARE OF ADDRESS INFORMATION		
MAILING or STREET ADDRESS 6912 Broadway Terrace		<input checked="" type="checkbox"/> Box to indicate <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> STATE AGENCY <input checked="" type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> FEDERAL AGENCY <input type="checkbox"/> COUNTY AGENCY		
CITY NAME Oakland		STATE CA	ZIP CODE 94611	PHONE #, WITH AREA CODE

III. TANK OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME Diana Pagano		CARE OF ADDRESS INFORMATION		
MAILING or STREET ADDRESS 6912 Broadway Terrace		<input checked="" type="checkbox"/> Box to indicate <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> STATE AGENCY <input checked="" type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> FEDERAL AGENCY <input type="checkbox"/> COUNTY AGENCY		
CITY NAME Oakland		STATE CA	ZIP CODE 94611	PHONE #, WITH AREA CODE

IV. LEGAL NOTIFICATION AND BILLING ADDRESS

CHECK ONE (1) BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR BOTH LEGAL NOTIFICATION AND BILLING: I. II. III.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE) Francis A Jacinto	DATE 9-26-90
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LOCAL AGENCY USE ONLY

COUNTY # 01	JURISDICTION # 007	AGENCY #	FACILITY ID # 53911	# of TANKS at SITE 1
CURRENT LOCAL AGENCY FACILITY ID # 53911		APPROVED BY NAME M. Bahaldin		PHONE # WITH AREA CODE (415) 577-3331
PERMIT NUMBER 53911	PERMIT APPROVAL DATE 2/14/91	PERMIT EXPIRATION DATE 7/1/95		
LOCATION CODE	CENSUS TRACT #	SUPERVISOR-DISTRICT CODE	BUSINESS PLAN FILED YES <input type="checkbox"/> NO <input type="checkbox"/>	DATE FILED
CHECK #	PERMIT AMOUNT	SURCHARGE AMOUNT	FEE CODE	RECEIPT #
				BY:

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE TANK PERMIT FORM 'B' APPLICATION(S), UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
FORM A (3-2-88)

1 DATA PROCESSING COPY 2 LOCAL AGENCY COPY 3 FILE COPY

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input checked="" type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME <i>Quality Tune Up Shop</i>	NAME OF OPERATOR <i>FRANK JACINTO</i>			
ADDRESS <i>14901 - East 14th Street</i>	NEAREST CROSS STREET <i>150th</i>	PARCEL # (OPTIONAL)		
CITY NAME <i>San Leandro</i>	STATE <i>CA</i>	ZIP CODE <i>94577</i>	SITE PHONE # WITH AREA CODE <i>(510) 276-0727</i>	
<input checked="" type="checkbox"/> BOX TO INDICATE <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS* <input type="checkbox"/> COUNTY-AGENCY* <input type="checkbox"/> STATE-AGENCY* <input type="checkbox"/> FEDERAL-AGENCY*				
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST _____				
TYPE OF BUSINESS <input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE <i>ONE</i>	E. P. A. I. D. # (optional) <i>CAL-921632642</i>

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) <i>JACINTO, Frank</i>	PHONE # WITH AREA CODE <i>(510) 276-0727</i>	DAYS: NAME (LAST, FIRST) <i>BARBERO, Robert</i>	PHONE # WITH AREA CODE <i>(510) 276-0727</i>
NIGHTS: NAME (LAST, FIRST) <i>JACINTO, Frank</i>	PHONE # WITH AREA CODE <i>(510) 651-4396</i>	NIGHTS: NAME (LAST, FIRST) <i>BARBERO, Robert</i>	PHONE # WITH AREA CODE <i>(408) 262-5301</i>

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME <i>DIANA PAGANO</i>	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <i>6912 Broadway Terrace</i>	<input checked="" type="checkbox"/> box to indicate <input checked="" type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME <i>Oakland</i>	STATE <i>CA</i>	ZIP CODE <i>94611-1924</i>	PHONE # WITH AREA CODE <i>(510) 547-0581</i>

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER <i>DIANA PAGANO</i>	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <i>6912 Broadway Terrace</i>	<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME <i>Oakland</i>	STATE <i>CA</i>	ZIP CODE <i>94611-1924</i>	PHONE # WITH AREA CODE <i>(510) 547-0581</i>

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44-036980

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 99 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING:	I. <input checked="" type="checkbox"/>	II. <input type="checkbox"/>	III. <input type="checkbox"/>
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THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) <i>Diana Pagano Diana Pagano</i>	OWNER'S TITLE <i>-</i>	DATE MONTH/DAY/YEAR <i>6-06-95</i>
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LOCAL AGENCY USE ONLY *Note - Above information provided by Tenant DWP*

COUNTY # <input type="text"/>	JURISDICTION # <input type="text"/>	FACILITY # <input type="text"/>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input checked="" type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Quality Tune Up Shop

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # <u>unknown</u>	B. MANUFACTURED BY: <u>unknown</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>unknown</u>	D. TANK CAPACITY IN GALLONS: <u>200</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input checked="" type="checkbox"/> 4 OIL	B. <input type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 2 LEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C. A. S. # : _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	B. TANK MATERIAL (Primary Tank)	C. INTERIOR LINING
<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 1 RUBBER LINED
<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 2 ALKYD LINING
<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 3 FIBERGLASS	<input type="checkbox"/> 3 EPOXY LINING
<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC	<input type="checkbox"/> 4 PHENOLIC LINING
<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 UNLINED
<input type="checkbox"/> 99 OTHER _____	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input checked="" type="checkbox"/> 95 UNKNOWN
	<input type="checkbox"/> 7 ALUMINUM	<input type="checkbox"/> 99 OTHER _____
	<input type="checkbox"/> 8 GALVANIZED STEEL	<input type="checkbox"/> 99 OTHER _____
	<input checked="" type="checkbox"/> 95 UNKNOWN	
	<input type="checkbox"/> 99 OTHER _____	

D. CORROSION PROTECTION

<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER _____

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	B. CONSTRUCTION	C. MATERIAL AND CORROSION PROTECTION	D. LEAK DETECTION
A U 1 SUCTION	A U 1 SINGLE WALL	A U 1 BARE STEEL	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR
A U 2 PRESSURE	A U 2 DOUBLE WALL	A U 2 STAINLESS STEEL	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING
A U 3 GRAVITY	A U 3 LINED TRENCH	A U 3 POLYVINYL CHLORIDE (PVC)	<input type="checkbox"/> 3 INTERSTITIAL MONITORING
A U 99 OTHER <u>NONE</u>	A U 95 UNKNOWN	A U 4 FIBERGLASS PIPE	<input type="checkbox"/> 99 OTHER _____
	A U 99 OTHER <u>NONE</u>	A U 5 ALUMINUM	
		A U 6 CONCRETE	
		A U 7 STEEL W/ COATING	
		A U 8 100% METHANOL COMPATIBLE W/FRP	
		A U 9 GALVANIZED STEEL	
		A U 10 CATHODIC PROTECTION	
		A U 95 UNKNOWN	
		A U 99 OTHER <u>NONE</u>	

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input checked="" type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER <u>TANK GAUGING</u>

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/>
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>DIANA PAGANO Diana Pagano</u>	DATE <u>6-06-95</u>
---	---------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW *NOTE: Above information provided by Tenant Dept*

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

**INITIAL SITE ASSESSMENT
QUALITY TUNE UP
14901 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA
VOLUME 2 OF 2**

PREPARED FOR:
City of San Leandro
835 East 14th Street
San Leandro, California 94577

PREPARED BY:
Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612

September 27, 2004
Project No. 401007001

APPENDIX D
ENVIRONMENTAL DATABASE SEARCH REPORT

TRACK ► INFO SERVICES, LLC

Environmental FirstSearch™ Report

TARGET PROPERTY:

14091 EAST 14TH ST

SAN LEANDRO CA 94578

Job Number: 401007001

PREPARED FOR:

Ninyo & Moore

1956 Webster St Suite 400

Oakland, CA 94612

07-14-04



Tel: (323) 664-9981

Fax: (323) 664-9982

**Environmental FirstSearch
Search Summary Report**

**Target Site: 14091 EAST 14TH ST
SAN LEANDRO CA 94578**

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	04-08-04	1.00	0	0	0	0	0	0	0
CERCLIS	Y	02-09-04	0.50	0	0	0	0	-	0	0
NFRAP	Y	02-09-04	0.12	0	0	-	-	-	0	0
RCRA TSD	Y	02-09-04	0.50	0	0	0	0	-	0	0
RCRA COR	Y	02-09-04	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	02-09-04	0.25	0	0	5	-	-	0	5
RCRA NLR	Y	02-09-04	0.25	0	0	1	-	-	0	1
ERNS	Y	12-31-03	0.12	0	2	-	-	-	0	2
State Sites	Y	03-02-04	1.00	0	0	0	0	2	1	3
Spills-1990	Y	07-01-03	0.12	0	0	-	-	-	0	0
SWL	Y	07-07-04	0.50	0	0	0	0	-	0	0
Permits	Y	02-11-04	0.12	0	0	-	-	-	0	0
Other	Y	03-02-04	0.12	0	0	-	-	-	0	0
REG UST/AST	Y	06-02-04	0.25	1	6	3	-	-	0	10
Leaking UST	Y	05-26-04	0.50	1	4	1	8	-	0	14
- TOTALS -				2	12	10	8	2	1	35

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

**Environmental FirstSearch
Site Information Report**

Request Date: 07-14-04
Requestor Name: ninyoaka
Standard: ASTM

Search Type: COORD
Job Number: 401007001
Filtered Report

TARGET ADDRESS: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

Demographics

Sites: 35	Non-Geocoded: 1	Population: NA
Radon: 0.7 - 1.4 PCI/L		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
Longitude:	-122.12942	-122:7:46	Easting:	576741.808
Latitude:	37.705595	37:42:20	Northing:	4173302.626
			Zone:	10

Comment

Comment:DAMIEN DB FIX FOR NINYO

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)				Services:		
<u>ZIP Code</u>	<u>City Name</u>	<u>ST</u>	<u>Dist/Dir</u>	<u>Sel</u>	<u>Requested?</u>	<u>Date</u>
94577	SAN LEANDRO	CA	0.63	NW Y	Sanborns	No
					Aerial Photographs	No
					Topographical Maps	No
					City Directories	No
					Title Search	No
					Municipal Reports	No
					Online Topos	No

Environmental FirstSearch Sites Summary Report

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

TOTAL: 35 **GEOCODED:** 34 **NON GEOCODED:** 1 **SELECTED:** 35

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
19	UST	QUALITY TUNE UP TISID-STATE12463/ACTIVE	14901 14TH SAN LEANDRO CA 94577	0.00 -	15
30	LUST	QUALITY TUNE UP T0600102165/POLLUTION CHARACTERI	14901 14TH ST E SAN LEANDRO CA 94578	0.00 -	15
28	LUST	MOBIL T0600100912/POST REMEDIAL ACTION	14994 14TH ST E SAN LEANDRO CA 94578	0.02 NE	21
27	LUST	MOBIL T0600100235/PRELIM. SITE ASSES.	14994 14TH ST E SAN LEANDRO CA 94578	0.02 NE	21
7	ERNS	PACIFIC GAS AND ELECTRIC 189962/PIPELINE RELATED	14966 E. 14 TH SAN LEANDRO CA 94578	0.02 NE	7
8	ERNS	PG&E 466225/FIXED FACILITY	14966 E. 14TH ST. SAN LEANDRO CA 94578	0.02 NE	7
14	UST	CHAU S BAYFAIR UNION 76 ALAMEDACO_TISID35	15008 E 14TH ST SAN LEANDRO CA 94578	0.04 SE	11
33	LUST	UNOCAL T0600101450/POLLUTION CHARACTERI	15008 14TH ST E SAN LEANDRO CA 94578	0.04 SE	11
12	UST	BAYFAIR CHEVRON SANLEANDRO_08434/NO OF UST S 3	15002 HESPERIAN SAN LEANDRO CA	0.06 SW	10
13	UST	BAYFAIR CHEVRON SANLEANDRO_08470/NO OF UST S 3	15002 HESPERIAN SAN LEANDRO CA	0.06 SW	10
23	LUST	CHEVRON T0600100299/CASE CLOSED	15002 HESPERIAN BLVD SAN LEANDRO CA 94578	0.06 SW	10
15	UST	CHEVRON STATION #2013 TISID-STATE12472/ACTIVE	15002 HESPERIAN SAN LEANDRO CA 94578	0.06 SW	10
17	UST	JIFFY LUBE #1158 AST982/AST SWRCB REG.2	15015 HESPERIAN BLVD SAN LEANDRO CA 94578	0.07 SW	13
18	UST	PREMIER GAS AND SNACKS SANLEANDRO_TIS6/NO OF UST S 3	15018 HESPERIAN BLVD SAN LEANDRO CA	0.07 SW	14
4	RCRAGN	SWISS CLEANERS CAD983671710/SGN	14883 E 14TH ST SAN LEANDRO CA 94578	0.14 NW	4
1	RCRAGN	CHERRYBROOKE ESTATES CAR000148916/LGN	15041 HESPERIAN BLVD SAN LEANDRO CA 94577	0.14 SW	1
29	LUST	NELLA OIL SITE T0600132763/PRELIM. SITE ASSES.	14880 E. 14TH STREET SAN LEANDRO CA 94568	0.16 NW	22
11	UST	BAY FAIR MALL TISID-STATE1181/INACTIVE	248 BAY FAIR MALL SAN LEANDRO CA 94578	0.18 SE	2
2	RCRAGN	KITS CAMERAS 1 HOUR NO 92 CAD983647066/SGN	90 BAYFAIR MALL SAN LEANDRO CA 94578	0.18 SE	2
3	RCRAGN	QUALITY ONE HOUR PHOTO CAD983633504/SGN	278 BAYFAIR MALL SAN LEANDRO CA 94578	0.18 SE	2
20	UST	SAN LEANDRO TISID-STATE1138/INACTIVE	300 BAYFAIR MALL SAN LEANDRO CA 94578	0.18 SE	2

**Environmental FirstSearch
Sites Summary Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

TOTAL: 35 **GEOCODED:** 34 **NON GEOCODED:** 1 **SELECTED:** 35

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
5	RCRAGN	TARGET CAR000095281/SGN	300 BAY FAIR MALL SAN LEANDRO CA 94578	0.18 SE	2
16	UST	GOODYEAR AUTO SERVICE CENTER TISID-STATE1142/INACTIVE	14598 14TH SAN LEANDRO CA 94546	0.23 NW	12
6	RCRANLR	PACIFIC BELL CAT080019243/NLR	1381 LILLIAN ST SAN LEANDRO CA 94578	0.25 NW	5
25	LUST	MASKELL OIL COMPANY T0600100055/POLLUTION CHARACTERI	14500 14TH ST E SAN LEANDRO CA 94578	0.31 NW	20
26	LUST	MASKELL OIL COMPANY T0600191550/LEAK BEING CONFIRMED	14500 14TH ST E SAN LEANDRO CA 94578	0.31 NW	20
32	LUST	SHELL T0600101230/PRELIM. SITE ASSES.	1784 150TH AVE SAN LEANDRO CA 94578	0.34 NE	17
34	LUST	USA PETROLEUM T0600101501/CASE CLOSED	15120 HESPERIAN BLVD SAN LEANDRO CA 94578	0.35 SW	16
31	LUST	SBC T0600156445/LEAK BEING CONFIRMED	15125 HESPERIAN BLVD SAN LEANDRO CA 94578	0.36 SW	3
21	LUST	ARCO # 02162 T0600100084/POLLUTION CHARACTERI	15135 HESPERIAN BLVD SAN LEANDRO CA 94578	0.37 SW	6
24	LUST	FREEDOM ARCO T0600191157/PRELIM. SITE ASSES.	15101 FREEDOM AVE SAN LEANDRO CA 94578	0.39 NE	19
22	LUST	CAR STORE THE T0600101784/CASE CLOSED	14285 14TH ST E SAN LEANDRO CA 94578	0.47 NW	18
9	STATE	CENTURY PLATING COMPANY INC CAL01340040/CERTIFIED	1124 139TH AVENUE SAN LEANDRO CA 94578	0.82 NW	8
10	STATE	CINTAS CORPORATION CAL01890017/ANNUAL WORKPLAN - AC	777 139TH AVENUE SAN LEANDRO CA 94578	0.86 NW	9

*Environmental FirstSearch
Sites Summary Report*

TARGET SITE: 1409I EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

TOTAL: 35 **GEOCODED:** 34 **NON GEOCODED:** 1 **SELECTED:** 35

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
35	STATE	SAN LEANDRO REGIONAL PLUME CAL01990002/ANNUAL WORKPLAN - AC	SAN LEANDRO (GROUNDWATER CONTA NON GC SAN LEANDRO CA 94578		

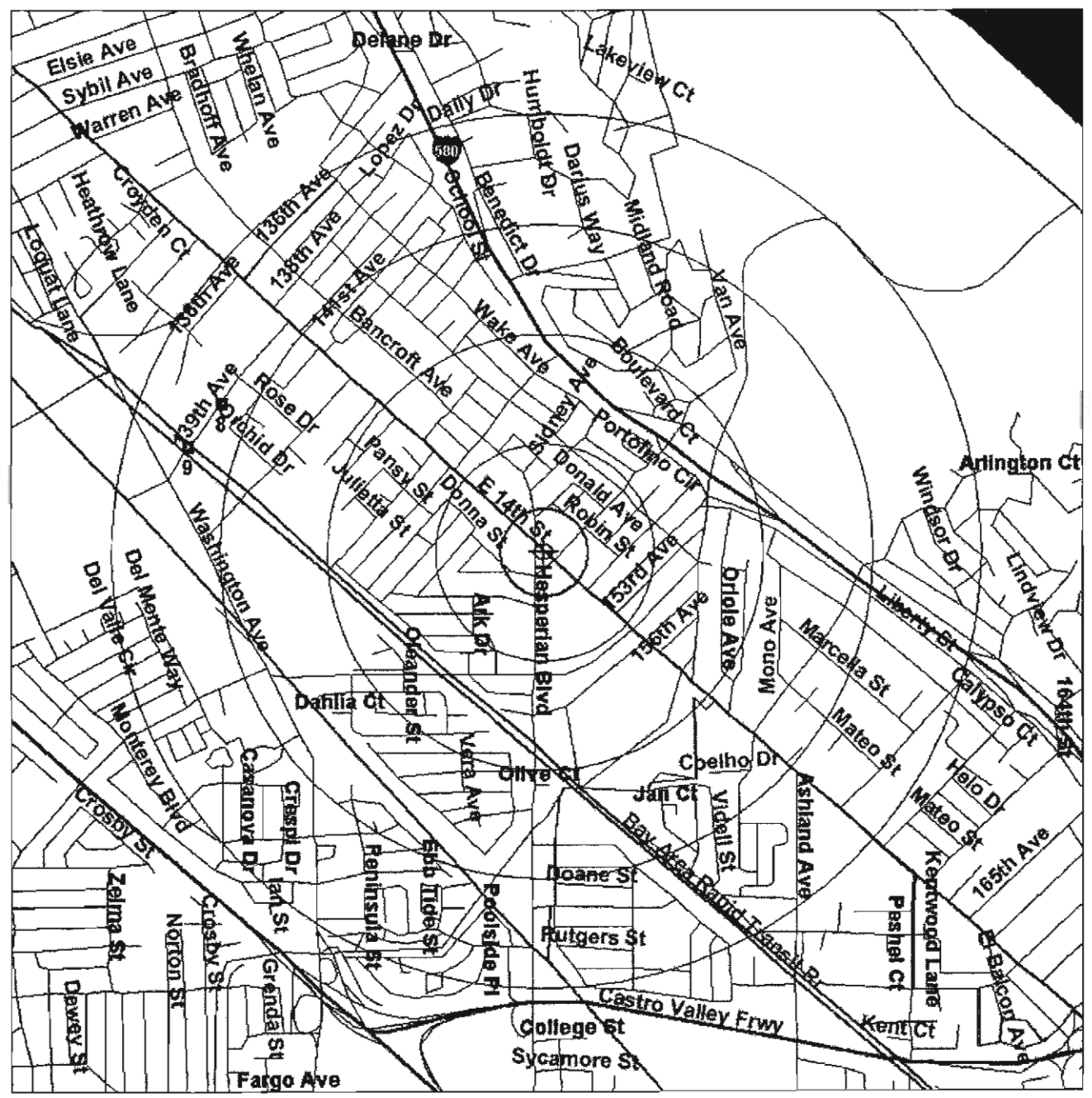


Environmental FirstSearch

1 Mile Radius
ASTM Map: NPL, RCRACOR, STATE Sites



14091 EAST 14TH ST, SAN LEANDRO CA 94578



Source: 1999 U.S. Census TIGER Files

- Target Site (Latitude: 37.705595 Longitude: -122.12942)
 - Identified Site, Multiple Sites, Receptor
 - NPL, Solid Waste Landfill (SWL) or Hazardous Waste
 - Railroads
- Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius



Environmental FirstSearch

5 Mile Radius

ASTM Map: CERCLIS, RCRATSD, LUST, SWL



14091 EAST 14TH ST, SAN LEANDRO CA 94578



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 37.705595 Longitude: -122.12942)

Identified Site, Multiple Sites, Receptor

NPL, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius





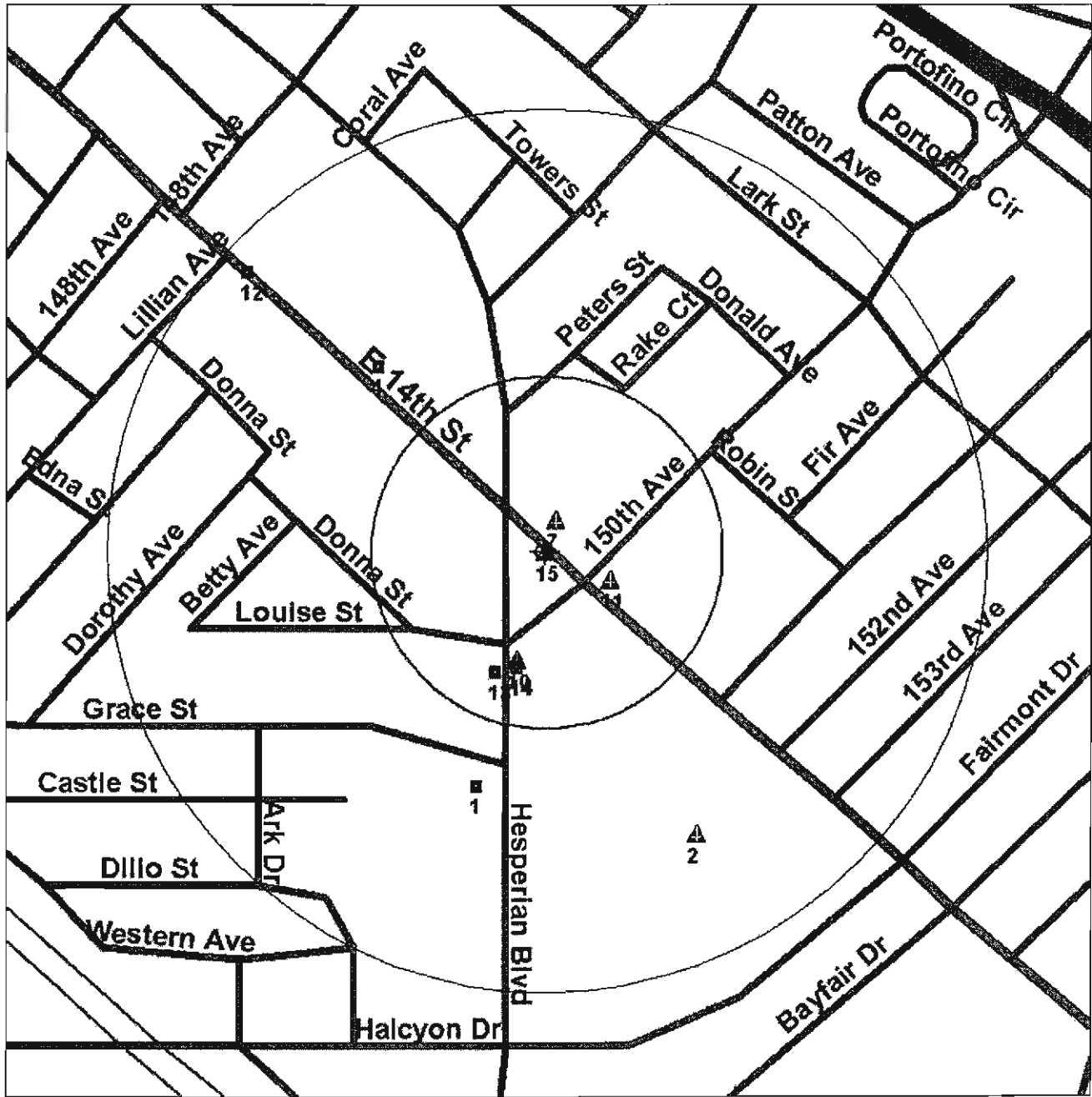
Environmental FirstSearch

.25 Mile Radius

ASTM Map: RCRA GEN, ERNS, UST



14091 EAST 14TH ST, SAN LEANDRO CA 94578



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 37.705595 Longitude: -122.12942)

Identified Site, Multiple Sites, Receptor

NPL, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



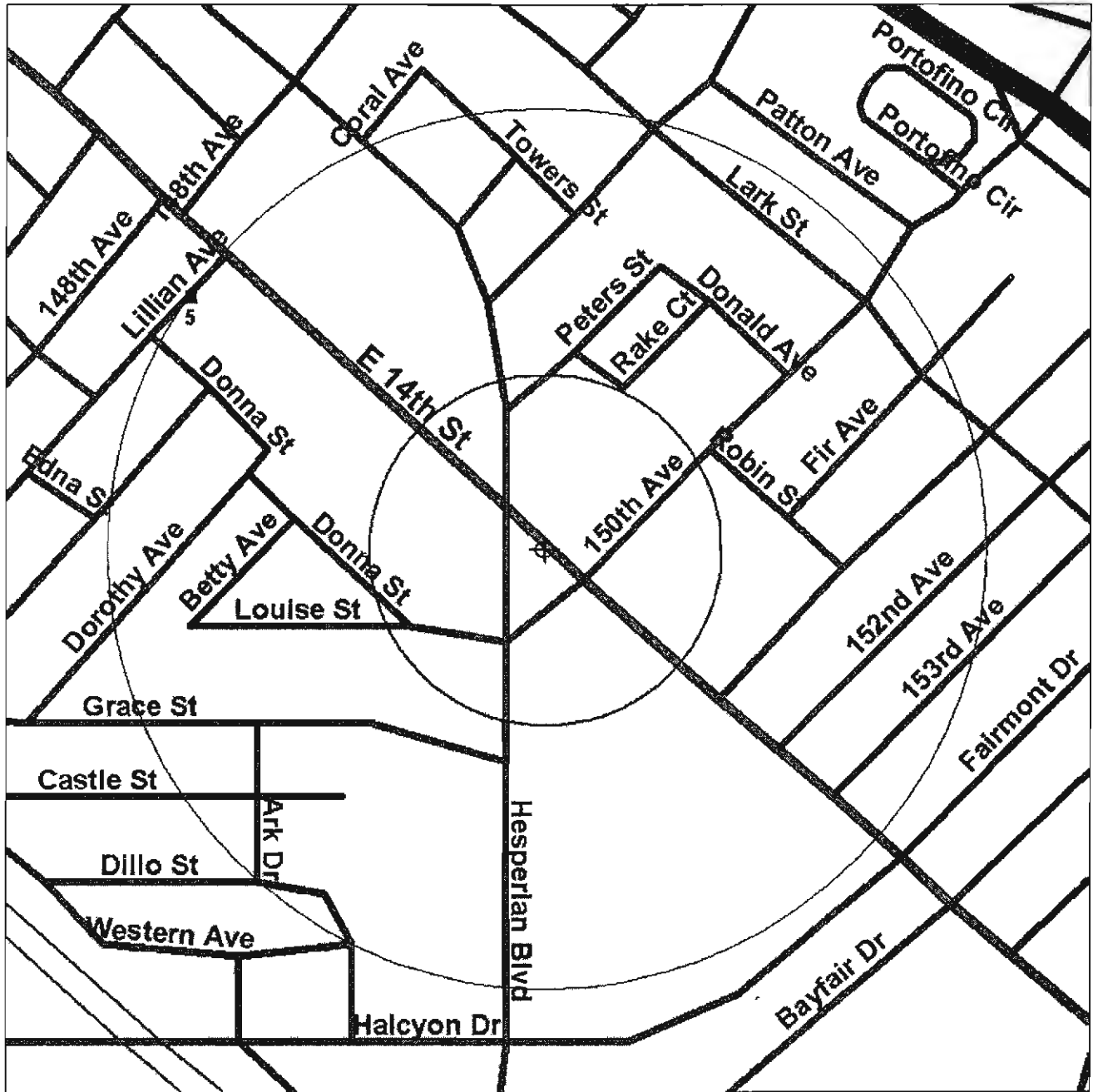


Environmental FirstSearch

.25 Mile Radius
Non-ASTM Map: RCRANLR



14091 EAST 14TH ST, SAN LEANDRO CA 94578



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 37.705595 Longitude: -122.12942)

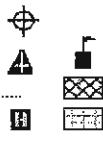
Identified Site, Multiple Sites, Receptor

NPL, Solid Waste Landfill (SWL) or Hazardous Waste

National Historic Sites and Landmark Sites

Railroads

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius



**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 19

DIST/DIR: 0.00 --

MAP ID: 15

NAME: QUALITY TUNE UP
ADDRESS: 14901 14TH
SAN LEANDRO CA 94577
Alameda

REV: 01/01/94
ID1: TISID-STATE12463
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names & locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

Environmental FirstSearch Site Detail Report

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 33

DIST/DIR: 0.04 SE

MAP ID: 11

NAME:	UNOCAL	REV:	05/26/04
ADDRESS:	15008 14TH ST E SAN LEANDRO CA 94578 ALAMEDA	ID1:	T0600101450
CONTACT:		ID2:	
		STATUS:	POLLUTION CHARACTERIZATION
		PHONE:	

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred dating after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: LOCAL AGENCY
REGIONAL BOARD: 02
LOCAL CASE NUMBER: 2400
RESPONSIBLE PARTY: BLANK RP
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER: 01-1575
CASE TYPE: OTHER
SUBSTANCE LEAKED: GASOLINE
SUBSTANCE QUANTITY:
LEAK CAUSE: STRUCTURE FAILURE
LEAK SOURCE: TANK
HOW LEAK WAS DISCOVERED: TANK CLOSURE
DATE DISCOVERED (blank if not reported): 1991-03-19 00:00:00
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported): 1991-03-19 00:00:00
STATUS: POLLUTION CHARACTERIZATION

ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency): EXCAVATE AND DISPOSE- REMOVE CONTAMINATED SOIL AND DISPOSE IN APPROVED SITE. ENHANCED BIODEGRADATION
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):

ENTER DATE (blank if not reported): 1991-04-26 00:00:00
REVIEW DATE (blank if not reported): 2001-08-02 00:00:00
DATE OF LEAK CONFIRMATION (blank if not reported): 1991-04-26 00:00:00
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported): 1991-03-19 00:00:00
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported): 1991-05-04 00:00:00
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported): 1992-07-24 00:00:00
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported):
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):
REPORT DATE (blank if not reported): 1991-03-19 00:00:00

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE(Date of historical maximum MTBE concentration): 1965-01-02 00:00:00
MTBE GROUNDWATER CONCENTRATION: 3630
MTBE SOIL CONCENTRATION:
MTBE CNTS: 1
MTBE FUEL: 1
MTBE TESTED: YES
MTBE CLASS: C

Environmental FirstSearch Site Detail Report

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 23 **DIST/DIR:** 0.06 SW **MAP ID:** 10

NAME: CHEVRON	REV: 05/26/04
ADDRESS: 15002 HESPERIAN BLVD	ID1: T0600100299
SAN LEANDRO CA 94578	ID2:
ALAMEDA	STATUS: CASE CLOSED
CONTACT:	PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred dating after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: LOCAL AGENCY
REGIONAL BOARD: 02
LOCAL CASE NUMBER: 770
RESPONSIBLE PARTY: BLANK RP
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER: 01-0326
CASE TYPE: OTHER
SUBSTANCE LEAKED: GASOLINE
SUBSTANCE QUANTITY:
LEAK CAUSE: STRUCTURE FAILURE
LEAK SOURCE: TANK
HOW LEAK WAS DISCOVERED: TANK CLOSURE
DATE DISCOVERED (blank if not reported): 1984-04-17 00:00:00
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported): 1984-04-17 00:00:00
STATUS: CASE CLOSED

ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency): NO ACTION TAKEN- NO ACTION HAS YET BEEN TAKEN AT THE SITE
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency): EF
DATE OF ENFORCEMENT (blank if not reported): 1993-02-05 00:00:00

ENTER DATE (blank if not reported): 1993-02-05 00:00:00
REVIEW DATE (blank if not reported): 1999-10-01 00:00:00
DATE OF LEAK CONFIRMATION (blank if not reported): 1993-02-05 00:00:00
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported): 1987-12-08 00:00:00
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported): 1983-11-07 00:00:00
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported): 1988-05-25 00:00:00
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported):
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported): 1999-07-27 00:00:00
REPORT DATE (blank if not reported): 1984-04-17 00:00:00

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration): 1998-08-12 00:00:00
MTBE GROUNDWATER CONCENTRATION: 64
MTBE SOIL CONCENTRATION:
MTBE CNTS: 1
MTBE FUEL: 1
MTBE TESTED: YES
MTBE CLASS:

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 15

DIST/DIR: 0.06 SW

MAP ID: 10

NAME: CHEVRON STATION #2013
ADDRESS: 15002 HESPERIAN
SAN LEANDRO CA 94578
Alameda

REV: 01/01/94
ID1: TISID-STATE12472
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names & locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

Environmental FirstSearch
Site Detail Report

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

RCRA GENERATOR SITE

SEARCH ID: 4 **DIST/DIR:** 0.14 NW **MAP ID:** 4

NAME: SWISS CLEANERS	REV: 5/10/04
ADDRESS: 14883 E 14TH ST	ID1: CAD983671710
SAN LEANDRO CA 94578	ID2:
ALAMEDA	STATUS: SGN
CONTACT: JAE CHO	PHONE: 5104837116

SITE INFORMATION

UNIVERSE TYPE:

SQG - SMALL QUANTITY GENERATOR. GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

SIC INFORMATION:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

RCRA GENERATOR SITE

SEARCH ID: 1 **DIST/DIR:** 0.14 SW **MAP ID:** 1

NAME: CHERRYBROOKE ESTATES
ADDRESS: 15041 HESPERIAN BLVD
SAN LEANDRO CA 94577
ALAMEDA
CONTACT: JOHN FORD

REV: 5/10/04
ID1: CAR000148916
ID2:
STATUS: LGN
PHONE: 925-833-8022

DETAILS NOT AVAILABLE

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 29 **DIST/DIR:** 0.16 NW **MAP ID:** 22

NAME: NELLA OIL SITE	REV: 05/26/04
ADDRESS: 14880 E. 14TH STREET	ID1: T0600132763
SAN LEANDRO CA 94568	ID2:
ALAMEDA	STATUS: PRELIM. SITE ASSES. UNDERWAY
CONTACT:	PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred dating after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: LOCAL AGENCY
REGIONAL BOARD: 02
LOCAL CASE NUMBER:
RESPONSIBLE PARTY: SHELL OIL PRODUCTS US
ADDRESS OF RESPONSIBLE PARTY: P.O. BOX 7869
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER:
CASE TYPE: OTHER
SUBSTANCE LEAKED: GASOLINE
SUBSTANCE QUANTITY:
LEAK CAUSE:
LEAK SOURCE: UNK
HOW LEAK WAS DISCOVERED: SAS
DATE DISCOVERED (blank if not reported): 2001-07-10 00:00:00
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: PRELIM. SITE ASSES. UNDERWAY
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):

ENTER DATE (blank if not reported):
REVIEW DATE (blank if not reported):
DATE OF LEAK CONFIRMATION (blank if not reported): 2004-07-18 00:00:00
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported): 2004-07-18 00:00:00
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported):
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):
REPORT DATE (blank if not reported): 2001-07-10 00:00:00

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION:
MTBE SOIL CONCENTRATION:
MTBE CNTS: 0
MTBE FUEL: 1
MTBE TESTED: SITE NOT TESTED FOR MTBE. INCLUDES UNKNOWN AND NOT ANALYZED
MTBE CLASS: *

Environmental FirstSearch
Site Detail Report

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 11

DIST/DIR: 0.18 SE

MAP ID: 2

NAME: BAY FAIR MALL
ADDRESS: 248 BAY FAIR MALL
SAN LEANDRO CA 94578
Alameda

REV: 01/01/94
ID1: TISID-STATE1181
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names & locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

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**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

RCRA GENERATOR SITE

SEARCH ID: 3

DIST/DIR: 0.18 SE

MAP ID: 2

NAME: QUALITY ONE HOUR PHOTO
ADDRESS: 278 BAYFAIR MALL
SAN LEANDRO CA 94578
ALAMEDA
CONTACT: DAGNU BEZU

REV: 5/10/04
ID1: CAD983633504
ID2:
STATUS: SGN
PHONE: 5104810481

SITE INFORMATION

UNIVERSE TYPE:

SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

SIC INFORMATION:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 20

DIST/DIR: 0.18 SE

MAP ID: 2

NAME: SAN LEANDRO
ADDRESS: 300 BAYFAIR MALL
SAN LEANDRO CA 94578
Alameda

REV: 01/01/94
ID1: TISID-STATE1138
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names & locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

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Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 16 **DIST/DIR:** 0.23 NW **MAP ID:** 12

NAME: GOODYEAR AUTO SERVICE CENTER ADDRESS: 14598 14TH SAN LEANDRO CA 94546 Alameda CONTACT:	REV: 01/01/94 ID1: TISID-STATE1142 ID2: STATUS: INACTIVE PHONE:
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UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names & locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

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Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

RCRA NLR SITE

SEARCH ID: 6

DIST/DIR: 0.25 NW

MAP ID: 5

NAME: PACIFIC BELL
ADDRESS: 1381 LILLIAN ST
SAN LEANDRO CA 94578
ALAMEDA
CONTACT: ENVIRONMENTAL MANAGER

REV: 5/10/04
ID1: CAT080019243
ID2:
STATUS: NLR
PHONE: 4159549836

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
ENVIRO MANAGER
1381 LILLIAN ST
SAN LEANDRO CA 94578

PHONE: 4159549836

UNIVERSE TYPE:

SIC INFORMATION:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch Site Detail Report

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 25 **DIST/DIR:** 0.31 NW **MAP ID:** 20

<p>NAME: MASKELL OIL COMPANY ADDRESS: 14500 14TH ST E SAN LEANDRO CA 94578 ALAMEDA CONTACT:</p>	<p>REV: 05/26/04 IDI: T0600100055 ID2: STATUS: POLLUTION CHARACTERIZATION PHONE:</p>
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RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

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LEAD AGENCY: LOCAL AGENCY
REGIONAL BOARD: 02
LOCAL CASE NUMBER: 3571
RESPONSIBLE PARTY: BLANK RP
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER: 01-0061
CASE TYPE: OTHER
SUBSTANCE LEAKED: DIESEL
SUBSTANCE QUANTITY:
LEAK CAUSE: STRUCTURE FAILURE
LEAK SOURCE: TANK
HOW LEAK WAS DISCOVERED: TANK CLOSURE
DATE DISCOVERED (blank if not reported): 1988-12-23 00:00:00
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported): 1988-12-23 00:00:00
STATUS: POLLUTION CHARACTERIZATION
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency): NO ACTION TAKEN- NO ACTION HAS YET BEEN TAKEN AT THE SITE
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):

ENTER DATE (blank if not reported): 1989-06-20 00:00:00
REVIEW DATE (blank if not reported): 2000-06-06 00:00:00
DATE OF LEAK CONFIRMATION (blank if not reported): 1989-06-20 00:00:00
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported): 1988-12-12 00:00:00
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported): 1989-09-29 00:00:00
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported):
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):
REPORT DATE (blank if not reported): 1988-12-23 00:00:00

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration): 1965-01-02 00:00:00
MTBE GROUNDWATER CONCENTRATION: 0
MTBE SOIL CONCENTRATION:
MTBE CNTS: 1
MTBE FUEL: 0
MTBE TESTED: YES
MTBE CLASS: D

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 26 **DIST/DIR:** 0.31 NW **MAP ID:** 20

NAME: MASKELL OIL COMPANY **REV:** 05/26/04
ADDRESS: 14500 14TH ST E **ID1:** T0600191550
SAN LEANDRO CA 94578 **ID2:**
ALAMEDA **STATUS:** LEAK BEING CONFIRMED
CONTACT: **PHONE:**

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

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LEAD AGENCY: REGIONAL BOARD
REGIONAL BOARD: 02
LOCAL CASE NUMBER:
RESPONSIBLE PARTY: BLANK RP
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER: 01S0533
CASE TYPE: UNDEFINED
SUBSTANCE LEAKED: SOLVENTS
SUBSTANCE QUANTITY: 0
LEAK CAUSE: UNK
LEAK SOURCE: UNK
HOW LEAK WAS DISCOVERED: TANK CLOSURE
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: LEAK BEING CONFIRMED
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):

ENTER DATE (blank if not reported):
REVIEW DATE (blank if not reported):
DATE OF LEAK CONFIRMATION (blank if not reported): 1985-01-01 00:00:00
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported):
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):
REPORT DATE (blank if not reported): 1983-01-01 00:00:00

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION:
MTBE SOIL CONCENTRATION:
MTBE CNTS: 0
MTBE FUEL: 0
MTBE TESTED: NOT REQUIRED TO BE TESTED
MTBE CLASS: *

Environmental FirstSearch Site Detail Report

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 21 **DIST/DIR:** 0.37 SW **MAP ID:** 6

NAME: ARCO # 02162	REV: 05/26/04
ADDRESS: 15135 HESPERIAN BLVD	ID1: T0600100084
SAN LEANDRO CA 94578	ID2:
ALAMEDA	STATUS: POLLUTION CHARACTERIZATION
CONTACT:	PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

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LEAD AGENCY: LOCAL AGENCY
REGIONAL BOARD: 02
LOCAL CASE NUMBER: 1259
RESPONSIBLE PARTY: BLANK RP
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER: 01-0091
CASE TYPE: OTHER
SUBSTANCE LEAKED: GASOLINE
SUBSTANCE QUANTITY:
LEAK CAUSE: STRUCTURE FAILURE
LEAK SOURCE: TANK
HOW LEAK WAS DISCOVERED: TANK CLOSURE
DATE DISCOVERED (blank if not reported): 1991-09-03 00:00:00
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported): 1991-09-03 00:00:00
STATUS: POLLUTION CHARACTERIZATION
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency): EXCAVATE AND DISPOSE-REMOVE CONTAMINATED SOIL AND DISPOSE IN APPROVED SITE
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency): EF
DATE OF ENFORCEMENT (blank if not reported): 1993-02-26 00:00:00

ENTER DATE (blank if not reported): 1991-10-01 00:00:00
REVIEW DATE (blank if not reported): 2001-07-13 00:00:00
DATE OF LEAK CONFIRMATION (blank if not reported): 1991-10-01 00:00:00
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported): 1993-05-10 00:00:00
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported): 1965-01-02 00:00:00
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported):
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):
REPORT DATE (blank if not reported): 1991-09-03 00:00:00

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration): 2001-06-20 00:00:00
MTBE GROUNDWATER CONCENTRATION: EQUAL TO 30
MTBE SOIL CONCENTRATION:
MTBE CNTS: 3
MTBE FUEL: 1
MTBE TESTED: YES
MTBE CLASS: C

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 22 **DIST/DIR:** 0.47 NW **MAP ID:** 18

NAME: CAR STORE THE **REV:** 05/26/04
ADDRESS: 14285 14TH ST E **ID1:** T0600101784
SAN LEANDRO CA 94578 **ID2:**
ALAMEDA **STATUS:** CASE CLOSED
CONTACT: **PHONE:**

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE
Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred dating after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: LOCAL AGENCY
REGIONAL BOARD: 02
LOCAL CASE NUMBER: 01-1924
RESPONSIBLE PARTY: BLANK RP
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER: 01-1924
CASE TYPE: SOIL ONLY
SUBSTANCE LEAKED: WASTE OIL
SUBSTANCE QUANTITY:
LEAK CAUSE: UNK
LEAK SOURCE: UNK
HOW LEAK WAS DISCOVERED: TANK CLOSURE
DATE DISCOVERED (blank if not reported): 1994-04-28 00:00:00
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported): 1994-04-28 00:00:00
STATUS: CASE CLOSED
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):

ENTER DATE (blank if not reported): 1994-07-03 00:00:00
REVIEW DATE (blank if not reported): 1994-07-03 00:00:00
DATE OF LEAK CONFIRMATION (blank if not reported): 1994-04-28 00:00:00
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported):
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported): 1996-05-21 00:00:00
REPORT DATE (blank if not reported): 1994-04-28 00:00:00

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE
MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION:
MTBE SOIL CONCENTRATION:
MTBE CNTS: 0
MTBE FUEL: 0
MTBE TESTED: NOT REQUIRED TO BE TESTED
MTBE CLASS: *

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

STATE SITE

SEARCH ID: 9 **DIST/DIR:** 0.82 NW **MAP ID:** 8

NAME: CENTURY PLATING COMPANY INC	REV: 03/02/04
ADDRESS: 1124 139TH AVENUE	ID1: CAL01340040
SAN LEANDRO CA 94578	ID2:
ALAMEDA	STATUS: CERTIFIED
CONTACT:	PHONE:

OTHER SITE NAMES (blank below = not reported by agency)

CENTURY PLATING COMPANY INC

PADDY O CHROME

GENERAL SITE INFORMATION

File Name (if different than site name):

Status:	CERTIFIED
AWP Site Type:	STATE FUNDED SITE
NPL Site:	N
Fund:	
Status Date:	06/13/1997
Lead:	DEPT OF TOXIC SUBSTANCES CONTROL
Staff:	JSOTO
DTSC Region & RWQCB #:	BERKELEY
Branch:	NORTH COAST
RWQCB:	SAN FRANCISCO BAY
Site Access:	Controlled
On Cortese List:	
Groundwater Contamination:	
Haz Ranking Score:	
Haz Ranking Score:	
Number of Sources Contributing to Contamination at the Site:	0

OTHER AGENCY ID NUMBERS (blank below = not reported by agency)

ID SOURCE NAME, & VALUE: CALSTARS CODE 200650

BACKGROUND INFORMATION (blank below = not reported by agency)

Century Plating Company, Inc. operated a plating and machine shop at 1124 139th Avenue from about 1973 until October 1991. Prior to Century Plating, Inc., Paddy O Chrome operated a plating shop at this location for approximately 8 years. At that time, Century was shut down by local authorities for noncompliance with fire and building codes and for unpermitted discharges to the sanitary sewer. Subsequently, U.S. EPA removed drums of chemicals, contaminated equipment, and debris from the building and adjoining yard. Six inches of surface soil, contaminated primarily with metals, was removed from the yard and a private well was closed. Soil under the building was contaminated with solvents and metals and was believed to be the source of groundwater contamination in the area. Groundwater samples had detected perchloroethene and trichloroethene above the drinking water standards. The plume migrating from this Site is part of the commingled plume which has been named San Leandro Plume. The Removal Action Workplan approved in February 1996 required soil hotspots to be excavated and disposed off-site, installation of a vapor barrier layer under the building, and paving in the Yard Area. A soil vapor extraction system was installed to treat the soil which can not be removed safely. The system operated for approximately 5 months before confirmation samples were taken which showed residual levels below the cleanup levels. The groundwater investigation of this site will be carried out as part of the investigation of the San Leandro Plume. Please also review that profile report for further information.

INFORMATION ON SPECIAL PROGRAMS THE SITE IS ASSOCIATED WITH (blank below = not reported by agency)

- Continued on next page -

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

STATE SITE

SEARCH ID: 10

DIST/DIR: 0.86 NW

MAP ID: 9

NAME: CINTAS CORPORATION
ADDRESS: 777 139TH AVENUE
SAN LEANDRO CA 94578
ALAMEDA

REV: 03/02/04
ID1: CAL01890017
ID2:
STATUS: ANNUAL WORKPLAN - ACTIVE SITE
PHONE:

CONTACT:

PROJECTED ACTIVITIES (blank below = not reported by agency)

Activity: *DISCOVERY*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 03301985
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *CERTIFICATION*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date: 07012004
Revised Completion Due Date:
Date Activity Actually Completed:
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *CEQA INCLUDING NEGATIVE DECS*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 06261997
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *REMEDIAL INVESTIGATION / FEASIBILITY STUDY*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 04282003
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *REMOVAL ACTION WORKPLAN*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date: 02282004
Revised Completion Due Date: 04302004
Date Activity Actually Completed:
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

- Continued on next page -

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

STATE SITE

SEARCH ID: 10

DIST/DIR: 0.86 NW

MAP ID: 9

NAME: CINTAS CORPORATION
ADDRESS: 777 139TH AVENUE
SAN LEANDRO CA 94578
ALAMEDA

REV: 03/02/04
ID1: CAL01890017
ID2:
STATUS: ANNUAL WORKPLAN - ACTIVE SITE
PHONE:

CONTACT:

Activity: *REMOVAL ACTION*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date: 03282004
Revised Completion Due Date: 06302004
Date Activity Actually Completed:
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *PUBLIC PARTICIPATION PLAN*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 11301986
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *I/SE, IORSE, FFA, FFSRA, VCA, EA*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 12221992
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *PUBLIC PARTICIPATION PLAN*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 02281995
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *REMEDIAL INVESTIGATION / FEASIBILITY STUDY*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 05221997
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *REMOVAL ACTION WORKPLAN*

- Continued on next page -

Environmental FirstSearch Site Detail Report

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

STATE SITE

SEARCH ID: 10

DIST/DIR: 0.86 NW

MAP ID: 9

NAME: CINTAS CORPORATION
ADDRESS: 777 139TH AVENUE
SAN LEANDRO CA 94578
ALAMEDA

REV: 03/02/04
ID1: CAL01890017
ID2:
STATUS: ANNUAL WORKPLAN - ACTIVE SITE
PHONE:

CONTACT:

Activity Status: ANNUAL WORKPLAN - ACTIVE SITE

Completion Due Date:

Revised Completion Due Date:

Date Activity Actually Completed: 06261997

Yards of Solids Removed: 0

Yards of Solids Treated: 0

Gallons of Liquid Removed: 0

Gallons of Liquid Treated: 0

Activity:

REMOVAL ACTION

Activity Status: ANNUAL WORKPLAN - ACTIVE SITE

Completion Due Date:

Revised Completion Due Date:

Date Activity Actually Completed: 06291998

Yards of Solids Removed: 22

Yards of Solids Treated: 0

Gallons of Liquid Removed: 0

Gallons of Liquid Treated: 0

DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Comments Date:

: Public Participation Plan Update. Subsurface Investigation Report for the Cintas Site. Tetra-chloroethylene was detected at up to 14,000 parts-per billion. Trichloroethylene and cis-1,2 dichloroethylene were also detected at lower concentrations. Closure of the SVE system approved. The confirmation soil sampling results indicated that operation of the SVE system reduced VOC concentrations in soil below the site cleanup level in all tested locations. Estimated 187 pounds of VOCs were removed during the 19 months period of operation. 750 139TH ave site discovered during property transfer evaluation. Identified as the 139 Avenue Plume. Remedial investigation report identifies PCE contamination under the building and near sewer line outside building. Sample results confirmed earlier tests and identified two areas one near the sewer line outside the building and under the building which have high 14 parts per million (ppm) tetrachloroethylene. Groundwater contamination in 139th Avenue area reported to RWQCB. Removal Action Workplan approved which requires installation of two horizontal soil vapor extraction wells under the building and excavation of contaminated soil near sewer line outside of the building. A negative declaration was prepared for this project. 750 139th Avenue Site (139th Ave, Plume) is Hazard Ranked with a score of 35.34. Removal Action Implementation Report approved. Soil Vapor Extraction System working well. 21 cubic yards of excavated soil containing tetrachloroethylene were disposed offsite. Soil vapor extraction system operating at 140 standard cubic feet per minute. Soil-gas and soil survey for the site. Hydrogeology of San Leandro Data Report which identifies regional groundwater contamination including the 139th Avenue area. 750 139th Avenue Site (139th Ave, Plume) placed on the State Priority Ranking List. Phase II RI conducted to locate and identify potential sources of groundwater contamination in the vicinity of 750 139th Avenue in San Leandro. Soil Gas Report showing tetrachloroethylene, trichloroethylene and trichloroethane. Public Participation Plan approved for 139th Avenue Plume. DTSC issued and Imminent and Substantial Endangerment Order to the 139th Avenue sites.

Environmental FirstSearch Site Detail Report

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

STATE SITE

SEARCH ID: 35

DIST/DIR: NON GC

MAP ID:

NAME: SAN LEANDRO REGIONAL PLUME
ADDRESS: SAN LEANDRO (GROUNDWATER CONTAMINATION)
SAN LEANDRO CA 94578
ALAMEDA

REV: 03/02/04
ID1: CAL01990002
ID2:
STATUS: ANNUAL WORKPLAN - ACTIVE SITE
PHONE:

CONTACT:

OTHER SITE NAMES (blank below = not reported by agency)

SAN LEANDRO REGIONAL PLUME

SINGER-FRIDEN (OFF-SITE)

750 139TH SITE (OFF-SITE)

1465 FACTOR AVENUE SITE (OFF-SITE)

DWA PLUME

GENERAL SITE INFORMATION

File Name (if different than site name):

Status: ANNUAL WORKPLAN - ACTIVE SITE
AWP Site Type: STATE FUNDED SITE
NPL Site: N
Fund: C
Status Date: 12311999
Lead: DEPT OF TOXIC SUBSTANCES CONTROL
Staff: JRANDENI
DTSC Region & RWQCB #: BERKELEY
Branch: NORTH COAST
RWQCB: SAN FRANCISCO BAY
Site Access: Uncontrolled
On Cortese List:
Groundwater Contamination: Confirmed
Haz Ranking Score:
Haz Ranking Score:
Number of Sources Contributing to Contamination at the Site: 5

OTHER AGENCY ID NUMBERS (blank below = not reported by agency)

ID SOURCE NAME, & VALUE: CALSTARS CODE 200327

BACKGROUND INFORMATION (blank below = not reported by agency)

DTSC was conducting six site specific investigations in San Leandro. Investigations at these sites indicated that a regional shallow groundwater contamination exist. On May 29, 1992 DTSC issued an IS&E Determination for the regional plume. A Public Health Advisory was issued, advising residents not to use private wells for domestic purposes unless tested regularly. Contaminants of primary concern are trichloroethylene(TCE), perchloroethylene(PCE), dichloroethylene and related compounds. They as well as metals and nitrate have all been found above the state drinking water standards. Domestic water is supplied by East Bay Municipal Utility District. However, up to 2000 private wells may exist in San Leandro. In 1993 and 1995 DTSC conducted a series of investigations and determined the extent of the plume to be 1 mile wide and 2 miles long. In March 2002, DTSC approved a Removal Action Workplan for the contamination located next to 2481 San Leandro Blvd. The removal action consisted of the excavation and offsite disposal of 850 tons of soil contaminated with TCE and PCE. The completion report was approved in November 2002. DTSC is conducting a number of in-situ pilot studies to evaluate techniques to treat the underlying groundwater. For site specific information see 1465 Factor Avenue, Hudson I.C.S., 750 139th Avenue Site, Singer Friden, Staefa, U.S. Can Company, Former Transcon Lines Site, Simmons Site, Dana Corporation Site, Cintas Corporation Site and Century Plating.

- Continued on next page -

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

STATE SITE

SEARCH ID: 35

DIST/DIR: NON GC

MAP ID:

NAME: SAN LEANDRO REGIONAL PLUME
ADDRESS: SAN LEANDRO (GROUNDWATER CONTAMINATION)
SAN LEANDRO CA 94578
ALAMEDA

REV: 03/02/04
ID1: CAL01990002
ID2:
STATUS: ANNUAL WORKPLAN - ACTIVE SITE
PHONE:

CONTACT:

INFORMATION ON SPECIAL PROGRAMS THE SITE IS ASSOCIATED WITH (blank below = not reported by agency)

PROJECTED ACTIVITIES (blank below = not reported by agency)

Activity: *ISE, IORSE, FFA, FFSRA, VCA, EA*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 05291992
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *REMOVAL ACTION*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 11122002
Yards of Solids Removed: 500
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *REMOVAL ACTION WORKPLAN*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 03132002
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *REMEDIAL INVESTIGATION / FEASIBILITY STUDY*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date: 09302004
Revised Completion Due Date:
Date Activity Actually Completed:
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: *REMEDIAL ACTION PLAN / RECORD OF DECISION*
Activity Status: *ANNUAL WORKPLAN - ACTIVE SITE*
Completion Due Date: 06302005
Revised Completion Due Date:
Date Activity Actually Completed:

- Continued on next page -

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

STATE SITE

SEARCH ID: 35

DIST/DIR: NON GC

MAP ID:

NAME: SAN LEANDRO REGIONAL PLUME
ADDRESS: SAN LEANDRO (GROUNDWATER CONTAMINATION)
SAN LEANDRO CA 94578
ALAMEDA

REV: 03/02/04
ID1: CAL01990002
ID2:
STATUS: ANNUAL WORKPLAN - ACTIVE SITE
PHONE:

CONTACT:

Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: DESIGN
Activity Status: ANNUAL WORKPLAN - ACTIVE SITE
Completion Due Date: 12302005
Revised Completion Due Date:
Date Activity Actually Completed:
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: REMEDIAL ACTION (RAP REQUIRED)
Activity Status: ANNUAL WORKPLAN - ACTIVE SITE
Completion Due Date: 07312006
Revised Completion Due Date:
Date Activity Actually Completed:
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: POTENTIAL RESPONSIBLE PARTY SEARCH
Activity Status: ANNUAL WORKPLAN - ACTIVE SITE
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 01201993
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: CERTIFICATION
Activity Status: ANNUAL WORKPLAN - ACTIVE SITE
Completion Due Date: 07312007
Revised Completion Due Date:
Date Activity Actually Completed:
Yards of Solids Removed: 0
Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

Activity: CEQA INCLUDING NEGATIVE DECS
Activity Status: ANNUAL WORKPLAN - ACTIVE SITE
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: 03132002
Yards of Solids Removed: 0

- Continued on next page -

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

STATE SITE

SEARCH ID: 35	DIST/DIR: NON GC	MAP ID:
NAME: SAN LEANDRO REGIONAL PLUME	REV: 03/02/04	
ADDRESS: SAN LEANDRO (GROUNDWATER CONTAMINATION) SAN LEANDRO CA 94578 ALAMEDA	ID1: CAL01990002	
CONTACT:	ID2:	STATUS: ANNUAL WORKPLAN - ACTIVE SITE
	PHONE:	

Yards of Solids Treated: 0
Gallons of Liquid Removed: 0
Gallons of Liquid Treated: 0

DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Comments Date:

: *Interim Groundwater Contamination Report for Central San Leandra. Data Report: Remedial Investigation of Soil Contamination, Century Plating Site (3 Volumes). A Removal Action Workplan was approved which requires the excavation and offsite disposal of soil from under San Leandro Blvd. which is contaminated with TCE and PCE. Imminent and Substantial Endangerment Determination issued. Data Report, Remedial Investigation of Regional Groundwater Contamination. Between August 1 and August 26, 2002, DTSC's contractor conducted a removal action using state funds at the San Leandro Source Area. Approx. 500 cubic yards of soil contaminated with volatile organic compounds (VOCs) primarily trichloroethene (TCE) and tetrachloethene (PCE) was excavated from the following locations: 1) the 1600 square foot area adjacent to San Leandro Boulevard (to a depth of 7 feet), and 2) the 100 square foot area extending into San Leandro Boulevard (to a depth of 15 feet). Hydrogeology of Central San Leandro Remedial Investigation of the Regional Groundwater Contamination, San Leandro Plume.*

**Environmental FirstSearch
Federal Databases and Sources**

ASTM Databases:

CERCLIS: Comprehensive Environmental Response Compensation and Liability Information System. The EPA's database of current and potential Superfund sites currently or previously under investigation. Source: Environmental Protection Agency.

Updated quarterly.

CERCLIS-NFRAP (Archive): Comprehensive Environmental Response Compensation and Liability Information System Archived Sites. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Updated quarterly.

ERNS: Emergency Response Notification System. The EPA's database of emergency response actions. Source: Environmental Protection Agency. Data since January, 2001, has been received from the National Response Center as the EPA no longer maintains this data.

Updated quarterly.

FINDS: The Facility Index System. The EPA's Index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. Source: Environmental Protection Agency.

Updated semi-annually.

NPL: National Priority List. The EPA's list of confirmed or proposed Superfund sites. Source: Environmental Protection Agency.

Updated quarterly.

RCRIS: Resource Conservation and Recovery Information System. The EPA's database of registered hazardous waste generators and treatment, storage and disposal facilities. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List). Source: Environmental Protection Agency.

RCRA TSD: Resource Conservation and Recovery Information System Treatment, Storage, and Disposal Facilities. The EPA's database of RCRIS sites which treat, store, dispose, or incinerate hazardous waste. This information is also reported in the standard RCRIS detailed data.

ASTM Databases (continued):

RCRA COR: *Resource Conservation and Recovery Information System Corrective Action Sites.* The EPA's database of RCRIS sites with reported corrective action. This information is also reported in the standard RCRIS detailed data.

RCRA GEN: *Resource Conservation and Recovery Information System Large and Small Quantity Generators.* The EPA's database of RCRIS sites that create more than 100kg of hazardous waste per month or meet other RCRA requirements. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List).

RCRA NLR: *Resource Conservation and Recovery Information System sites No Longer Regulated.* The EPA's database of RCRIS sites that create less than 100kg of hazardous waste per month or do not meet other RCRA requirements.

All RCRA databases are Updated quarterly

Environmental FirstSearch Federal Databases and Sources

Non-ASTM Databases:

HMIRS: Hazardous Materials Incident Response System. This database contains information from the US Department of Transportation regarding materials, packaging, and a description of events for tracked incidents.

Updated quarterly.

NCDB: National Compliance Database. The National Compliance Data Base System (NCDB) tracks regional compliance and enforcement activity and manages the Pesticides and Toxic Substances Compliance and Enforcement program at a national level. The system tracks all compliance monitoring and enforcement activities from the time an inspector conducts and inspection until the time the inspector closes or the case settles the enforcement action. NCDB is the national repository of the 10 regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of regional programs.

Updated quarterly

NPDES: National Pollution Discharge Elimination System. The EPA's database of all permitted facilities receiving and discharging effluents. Source: Environmental Protection Agency.

Updated semi-annually.

NRDB: National Radon Database. The NRDB was created by the EPA to distribute information regarding the EPA/State Residential Radon Surveys and the National Residential Radon Survey. The data is presented by zipcode in Environmental FirstSearch Reports. Source: National Technical Information Service (NTIS)

Updated Periodically

Nuclear: The Nuclear Regulatory Commission's (NRC) list of permitted nuclear facilities.

Updated Periodically

PADS: PCB Activity Database System

The EPA's database PCB handlers (generators, transporters, storers and/or disposers) that are required to notify the EPA, the rules being similar to RCRA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

Updated semi-annually.

Receptors: 1995 TIGER census listing of schools and hospitals that may house individuals deemed sensitive to environmental discharges due to their fragile immune systems.

Updated Periodically

Non-ASTM Databases (continued):

RELEASES: *Air and Surface Water Releases.* A subset of the EPA's ERNS database which have impacted only air or surface water.

Updated semi-annually.

Soils: This database includes the State Soil Geographic (STATSGO) data for the conterminous United States. It contains information regarding soil characteristics such as water capacity, percent clay, organic material, permeability, thickness of layers, hydrological characteristics, quality of drainage, surface, slope, liquid limit, and the annual frequency of flooding. Source: United States Geographical Survey (USGS).

Updated quarterly

TRIS: *Toxic Release Inventory System.* The EPA's database of all facilities that have had or may be prone to toxic material releases. Source: Environmental Protection Agency.

Updated semi-annually.

**ENVIRONMENTAL FIRST SEARCH
CALIFORNIA DATABASES (DB) AND SOURCES**

CAL SITES: DB TYPE = ST (STATE SITES)

Source: The CAL EPA, Depart. Of Toxic Substances Control
Phone: (916) 323-3400

The CAL EPA Department of Toxic Substances Control (DTSC) maintains a database of information on properties (or sites) in California where hazardous substances have been released, or where the potential for such release exists. The types of properties in the CALSITES database are categorized as: Annual Work Plan, Backlogged Properties, Certified / De-listed Sites, No Further Action, Preliminary Endangerment Assessment in Progress, Preliminary Endangerment Assessment Required, Removal Action Required, Expedited Remedial Action Program, Voluntary Cleanup Program, Deed Restricted Properties, and Referred Properties. For more information on individual sites call the number listed above.

CORTESE: DB TYPE = ST (STATE SITES)

Source: The CAL EPA, Department of Toxic Substances Control
Phone: (916) 445-6532

Pursuant to Government Code Section 65962.5, the Hazardous Waste and Substances Sites List has been compiled by Cal/EPA, Hazardous Materials Data Management Program. The CAL EPA Dept. of Toxic Substances Control compiles information from subsets of the following databases to make up the CORTESE list:

1. The Dept. of Toxic Substances Control; contaminated or potentially contaminated hazardous waste sites listed in the CAL Sites database. Formerly known as ASPIS are included (CALSITES formerly known as ASPIS).
2. The California State Water Resources Control Board; listing of Leaking Underground Storage Tanks are included (LTANK)
3. The California Integrated Waste Management Board; Sanitary Landfills which have evidence of groundwater contamination or known migration of hazardous materials (formerly WB-LF, now AB 3750).

Note: Track Info Services collects each of the above data sets individually and lists them separately in the following First Search categories in order to provide more current and comprehensive information: CALSITES: SPL, LTANK: LUST, WB-LF: SWL

**SWIS SOLID WASTE INFORMATION SYSTEM: DB TYPE = SW
(SOLID WASTE RELATED SITES)**

Source: The Integrated Waste Management Board
Phone: (916) 255-2331

The California Integrated Waste Management Board maintains a database on solid waste facilities, operations, and disposal sites throughout the state of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites. For more information on individual sites call the number listed above.

Note: This database contains poor site location information for many sites in the First Search reports; therefore, it may not be possible to locate or plot some sites in First Search reports.

WMUDS: DB TYPE = SW (SOLID WASTE RELATED SITES)

Source: The State Water Resources Control Board

Phone: (916) 227-4365

The State Water Resources Control Board maintained the Waste Management Unit Database System (WMUDS). It is no longer updated. It tracked management units for several regulatory programs related to waste management and its potential impact on groundwater. Two of these programs (SWAT & TPCA) are no longer on-going regulatory programs as described below. Chapter 15 (SC15) is still an on-going regulatory program and information is updated periodically but not to the WMUDS database. The WMUDS System contains information from the following agency databases: Facility, Waste Management Unit (WMU), Waste Discharger System (WDS), SWAT, Chapter 15, TPCA, RCRA, Inspections, Violations, and Enforcement's.

Note: This database contains poor site location information for many sites in the First Search reports; therefore, it may not be possible to locate or plot some sites in First Search reports.

ORANGE COUNTY LANDFILLS: DB TYPE = SW (SOLID WASTE RELATED SITES)

Source: Orange County Health Dept.

Phone: (714) 834-3536

LUSTIS: DB TYPE = LU (LEAKING UNDERGROUND STORAGE TANKS)

Source: The State Water Resources Control Board

Phone: (916) 227-4416

The State Water Resources Control Board maintains a database of sites with confirmed or unconfirmed leaking underground storage tanks. Information for this database is collected from the states regional boards quarterly and integrated with this database.

SAN DIEGO COUNTY LEAKING TANKS: DB TYPE = LU

(LEAKING UNDERGROUND STORAGE TANKS)

Source: San Diego County Dept. of Environmental Health

Phone: (619) 338-2242

Maintains a database of sites with confirmed or unconfirmed leaking underground storage tanks within its HE17/58 database. For more information on a specific file call the HazMat Duty Specialist at phone number listed above.

SLIC REGIONS 1 - 9: DB TYPE = SP (SPILLS-90)

Source: The CAL EPA Regional Water Quality Control Boards 1 - 9

The California Regional Water Quality Control Boards maintain report of sites that have records of spills, leaks, investigation, and cleanups. For phone number listings of departments within each region visit their web sites at: <http://www.swrcb.ca.gov/regions.html>

SAN DIEGO COUNTY HE17 PERMITS: DB TYPE = PE (PERMITS)

Source: The San Diego County Depart. Of Environmental Health

Phone: (619) 338-2211

The HE17/58 database tracks establishments issued permits and the status of their permits in relation to compliance with federal, state, and local regulations that the County oversees. It tracks if a site is a hazardous waste generator, TSD, gas station, has underground tanks, violations, or unauthorized releases. For more information on a specific file call the HazMat Duty Specialist at the phone number listed above.

**SAN BERNARDINO COUNTY HAZARDOUS MATERIALS PERMITS: DB TYPE = PE
(PERMITS)**

Source: San Bernardino County Fire Dept.
Phone: (909) 387-3080

Handlers and Generators Permit Information Maintained by the Hazardous Materials Div.

**LA COUNTY SITE MITIGATION COMPLAINT CONTROL LOG: DB TYPE = OT
(OTHER UNIQUE DATABASES)**

Source: The Los Angeles County Hazardous Materials Division
Phone: (323) 890-7806

The County of Los Angeles Public Health Investigation Compliant Control Log

**ORANGE COUNTY INDUSTRIAL SITE CLEANUPS: DB TYPE = OT
(OTHER UNIQUE DATABASES)**

Source: Orange County Environmental Health Agency
Phone: (714) 834-3536

AST ABOVEGROUND STORAGE TANKS: DB TYPE = US (UNDERGROUND STORAGE TANKS)

Source: The State Water Resources Control Board
Phone: (916) 227-4364

The Above Ground Petroleum Storage Act became State Law effective January 1, 1990. In general, the law requires owners or operators of AST's with petroleum products to file a storage statement and pay a fee by July 1, 1990 and every two years thereafter, take specific action to prevent spills, and in certain instances implement a groundwater monitoring program. This law does not apply to that portion of a tank facility associated with the production oil and regulated by the State Division of Oil and Gas of the Dept. of Conservation.

SWEEPS / FIDS STATE REGISTERED UNDERGROUND STORAGE TANKS: DB TYPE = US

Source: CAL EPA Dept of Toxic Substances Control
Phone: (916) 227-4404

Until 1994 the State Water Resources Control Board maintained a database of registered underground storage tanks statewide referred to as the SWEEPS System. The SWEEPS UST information was integrated with the CAL EPA's Facility Index System database (FIDS) which is a master index of information from numerous California agency environmental databases. That was last updated in 1994. Track Info Services included the UST information from the FIDS database in its First Search reports for historical purposes to help its clients identify where tanks may possibly have existed. For more information on specific sites from individual paper files archived at the State Water Resources Control Board call the number listed above.

CUPA DATABASES & SOURCES
(DB TYPE = US (UNDERGROUND STORAGE TANKS))

DEFINITION OF A CUPA: A Certified Unified Program Agency (CUPA) is a local agency that has been certified by the CAL EPA to implement six state environmental programs within the local agency's jurisdiction. These can be a county, city, or JPA (Joint Powers Authority). This program was established under the amendments to the California Health and Safety Code made by SB 1082 in 1994.

A Participating Agency (PA) is a local agency that has been designated by the local CUPA to administer one or more Unified Programs within their jurisdiction on behalf of the CUPA. A Designated Agency (DA) is an agency that has not been certified by the CUPA but is the responsible local agency that would implement the six unified programs until they are certified.

Please Note: Track Info Services, LLC collects and maintains information regarding Underground Storage Tanks from majority of the CUPAS and Participating Agencies in the State of California. These agencies typically do not maintain nor release such information on a uniform or consistent schedule; therefore, currency of the data may vary. Please look at the details on a specific site with a UST record in the First Search Report to determine the actual currency date of the record as provided by the relevant agency. Numerous efforts are made on a regular basis to obtain updated records.

ALAMEDA COUNTY CUPA'S

* County of Alameda Department of Environmental Health
* Cities of Berkeley, Fremont, Hayward, Livermore / Pleasanton, Newark, Oakland, San Leandro, Union

ALPINE COUNTY CUPA

* Health Department (Only updated by agency annually)

AMADOR COUNTY CUPA

* County of Amador Environmental Health Department

BUTTE COUNTY CUPA

* County of Butte Environmental Health Division (Only updated by agency biannually)

CALAVERAS COUNTY CUPA

* County of Calaveras Environmental Health Department

COLUSA COUNTY CUPA

* Environmental Health Dept.

CONTRA COSTA COUNTY CUPA

* Hazardous Materials Program

DEL NORTE COUNTY CUPA (US)

* Department of Health and Social Services

EL DORADO COUNTY CUPA'S

* County of El Dorado Environmental Health - Solid Waste Div (Only updated by agency annually)

* County of El Dorado EMD Tahoe Division

(Only updated by agency annually)

FRESNO COUNTY CUPA

* Haz. Mat and Solid Waste Programs

GLENN COUNTY CUPA

* Air Pollution Control District

HUMBOLDT COUNTY CUPA (US)

* Environmental Health Division

IMPERIAL COUNTY CUPA (US)

* Department of Planning and Building

INYO COUNTY CUPA (US)

* Environmental Health Department

KERN COUNTY CUPA (US)

- * County of Kern Environmental Health Department
- * City of Bakersfield Fire Department

KINGS COUNTY CUPA (US)

- * Environmental Health Services

LAKE COUNTY CUPA (US)

- * Division of Environmental Health

LASSEN COUNTY CUPA (US)

- * Department of Agriculture

LOS ANGELES COUNTY CUPA'S (US)

- * County of Los Angeles Fire Department
- * County of Los Angeles Environmental Programs Division
- * Cities of Burbank, El Segundo, Glendale, Long Beach/Signal Hill, Los Angeles, Pasadena, Santa Fe Springs, Santa Monica, Torrance, Vernon

MADERA COUNTY CUPA (US)

- * Environmental Health Department

MARIN COUNTY CUPA (US)

- * County of Marin Office of Waste Management
- * City of San Rafael Fire Department

MARIPOSA COUNTY CUPA (US)

- * Health Department

MENDOCINO COUNTY CUPA (US)

- * Environmental Health Department

MERCED COUNTY CUPA (US)

- * Division of Environmental Health

MODOC COUNTY CUPA (US)

- * Department of Agriculture

MONO COUNTY CUPA (US)

- * Health Department

MONTEREY COUNTY CUPA (US)

- * Environmental Health Division

NAPA COUNTY CUPA (US)

- * Hazardous Materials Section

NEVADA COUNTY CUPA (UST)

- * Environmental Health Department

ORANGE COUNTY CUPA'S (US)

- * County of Orange Environmental Health Department
- * Cities of Anaheim, Fullerton, Orange, Santa Ana
- * County of Orange Environmental Health Department

PLACER COUNTY CUPA (US)

- * County of Placer Division of Environmental Health Field Office
- * Tahoe City
- * City of Roseville Roseville Fire Department

PLUMAS COUNTY CUPA (UST)

- * Environmental Health Department

RIVERSIDE COUNTY CUPA (US)

- * Environmental Health Department

SACRAMENTO COUNTY (US)

- * County Environmental Mgmt Dept, Haz. Mat. Div.

SAN BENITO COUNTY CUPA (US)

- * City of Hollister Environmental Service Department

SAN BERNARDINO COUNTY CUPA'S (US)

- * County of San Bernardino Fire Department, Haz. Mat. Div.
- * City of Hesperia Hesperia Fire Prevention Department
- * City of Victorville Victorville Fire Department

SAN DIEGO COUNTY CUPA (US)

- * The San Diego County Dept. of Environmental Health HE 17/58

SAN FRANCISCO COUNTY CUPA (US)

- * Department of Public Health

SAN JOAQUIN COUNTY CUPA (US)

- * Environmental Health Division

SAN LUIS OBISPO COUNTY CUPA'S (US)

- * County of San Luis Obispo Environmental Health Division
- * City of San Luis Obispo City Fire Department

SAN MATEO COUNTY CUPA (US)

- * Environmental Health Department

SANTA BARBARA COUNTY CUPA (US)

- * Co Fire Dept Protective Services Div

SANTA CLARA COUNTY CUPA'S (US)

- * County of Santa Clara Hazardous Materials Compliance Division
- * Santa Clara Co Central Fire Prot. Dist. (Covers Campbell, Cupertino, Los Gatos, & Morgan Hill)
- * Cities of Gilroy, Milpitas, Mountain View, Palo Alto, San Jose Fire, Santa Clara, Sunnyvale

SANTA CRUZ COUNTY CUPA (US)

- * Environmental Health Department

SHASTA COUNTY CUPA (US)

- * Environmental Health Department

SIERRA COUNTY CUPA (US)

- * Health Department

SISKIYOU COUNTY CUPA (US)

- * Environmental Health Department

SONOMA COUNTY CUPA'S (US)

- * County of Sonoma Department Of Environmental Health
- * Cities of Healdsburg / Sebastapol, Petaluma, Santa Rosa

STANISLAUS COUNTY CUPA (US)

- * Dept. of Env. Rsrchs. Haz. Mat. Div.

SUTTER COUNTY CUPA (US)

- * Department of Agriculture

TEHAMA COUNTY CUPA (US)

- * Department of Environmental Health

TRINITY COUNTY CUPA (US)

- * Department of Health

TULARE COUNTY CUPA (US)

- * Environmental Health Department

TUOLUMNE COUNTY CUPA (US)

- * Environmental Health

VENTURA COUNTY CUPA'S (BWT UST'S & CERTIFIED UST'S)

- * County of Ventura Environmental Health Division
- * Cities of Oxnard, Ventura

YOLO COUNTY CUPA (US)

- * Environmental Health Department

YUBA COUNTY CUPA (US)

- * Yuba County of Emergency Services

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

TARGET SITE: 14091 EAST 14TH ST
SAN LEANDRO CA 94578

JOB: 401007001
DAMIEN DB FIX FOR NINYO

<u>Street Name</u>	<u>Dist/Dir</u>	<u>Street Name</u>	<u>Dist/Dir</u>
150th Ave	0.03 SE		
151st Ave	0.13 SE		
152nd Ave	0.18 SE		
153rd Ave	0.22 SE		
Ark Dr	0.19 SW		
Bancroft Ave	0.03 NW		
Betty Ave	0.14 NW		
Castle Ct	0.18 SW		
Coral Ave	0.25 NW		
Dennis Ave	0.19 NW		
Dillo St	0.25 SW		
Donald Ave	0.17 NE		
Donna St	0.09 SW		
Dorothy Ave	0.17 NW		
E 14th St	0.00 --		
EAST 14th St	0.00 --		
Fairmont Dr	0.25 SE		
Fir Ave	0.14 NE		
Grace St	0.12 SW		
Halsey Ave	0.14 NW		
Hesperian Blvd	0.02 -W		
Lark St	0.23 NE		
Lillian Ave	0.24 NW		
Louise St	0.06 SW		
Margery Ave	0.21 NW		
Patton Ave	0.22 NE		
Peters St	0.08 NW		
Rake Ct	0.11 NE		
Robin St	0.11 NE		
Towers St	0.19 NE		
Western Ave	0.25 SW		

APPENDIX E
AGENCY DOCUMENTS FOR OFF-SITE PROPERTIES

14994 East 14th Street

October 30, 2002

RO 422

Mr. Gene Ortega
ExxonMobil Refining & Supply Company
2300 Clayton Road, Ste. 1250
Concord, CA 94520

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

RE: Mobil Station 04-FGN, 14994 East 14th Street, San Leandro - Request for Total Fuel Oxygenate Analyses

Dear Mr. Ortega:

The case file for the referenced site was recently reviewed, up to and including the September 2002 TRC 3rd quarter 2002 progress report. This review was primarily conducted to identify the current suite of target compounds sought in water samples collected from the various wells within the network. Our review revealed that a number of potential fuel oxygenates may not have been sought historically from samples collected from these wells. Although we realize that MtBE does not appear to be an issue at this site, a full evaluation for fuel oxygenates is nevertheless necessary at this time.

Please direct your consultant to analyze all samples collected during the next scheduled sampling event for the presence of total fuel oxygenates (MtBE, TAME, EtBE, DIPE, and TBA) and lead scavengers (EDB and 1,2-DCA / EDC) using EPA Method 8260. Such expanded analyses may be required to continue depending upon what is found.

Please contact me at (510) 567-6783 should you have any questions.

Sincerely,


Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB
Michael Bakaldin, San Leandro Hazardous Materials Program
Jonathan Scheiner, TRC, 5052 Commercial Circle, Concord, CA 94520-1248

January 15, 2000

Alton Project No. 41-0114

Mr. Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: FORMER MOBIL STATION 04-FGN
14994 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

Dear Mr. Seery:

Please find enclosed the Fourth Quarter 1999 Progress Report for the subject location (the Property) prepared for ExxonMobil Remediation Services by TRC/Alton Geoscience. The contents of this report include:

Quarterly Progress Report Summary Sheet

- Exhibit 1: Sampling Schedule
- Exhibit 2: Summary of Groundwater Levels and Chemical Analysis
- Exhibit 3: Figures 1 through 3 (Vicinity Map, Groundwater Elevation Contour Map, Dissolved-Phase Benzene Concentrations)
- Exhibit 4: Benzene versus Groundwater Elevation Graphs
- Exhibit 5: Well Purging and Groundwater Sampling Protocol
- Exhibit 6: Monitoring Well Sampling Forms
- Exhibit 7: Analytical Laboratory Data Sheets
- Exhibit 8: Waste Disposal Manifest

Please note that the benzene concentration in wells MW-2A, MW-4A, MW-5A, MW-6A, and MW-7A is below laboratory reporting limits and the toluene, ethylbenzene, and total xylenes are either below laboratory reporting limits or below the respective California MCLs. Fuel dispensing operations were discontinued at the Property in 1984, and the USTs were removed in 1987, prior to the widespread use of MtBE. MtBE has never been detected in any of the wells associated with the Property. There appears to be no correlation between fluctuating groundwater elevation levels beneath the Property and BTEX concentration levels. The residual hydrocarbons are characterized as weathered and are subject to ongoing natural degradation processes that will continue to reduce the remaining concentration levels and mass.

In accordance with our conversation on January 11, 2000, monitoring wells MW-4A, MW-5A, MW-6A, and MW-7A are scheduled to be destroyed on February 14, 2000. Wells MW-4A and MW-6A are located upgradient of the Property and wells MW-5 and MW-7 are located in the adjoining streets. Well destruction and encroachment permits are currently being obtained. All proper notifications will be made prior to the destruction of these wells.

Because the analytical results of the groundwater from wells MW-1A and MW-3A are values estimated by the laboratory, these wells are scheduled to be resampled during the first quarter 2000. The results were estimated due to breakage of all the sample vials during delivery to the laboratory, except one vial from each well. The non-broken vials were opened by the laboratory, diluted, and analyzed prior to performing a non-diluted analysis. Therefore, the integrity of the samples was compromised and the analytical results estimated.



CENTRAL
PROTECTION

00 FEB 22 PM 3: 22

February 17, 2000

Mr. Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

Alton Project No. 41-0114

RE: FORMER MOBIL STATION 04-FGN
14994 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

Dear Mr. Seery:

Please find enclosed the First Quarter 2000 Progress Report for the above-referenced property (the Property) prepared for ExxonMobil Remediation Services by TRC-Alton Geoscience. The contents of this report include:

Quarterly Progress Report Summary Sheet

- Exhibit 1: Summary of Groundwater Levels and Chemical Analysis
- Exhibit 2: Figures 1 through 3 (Vicinity Map, Groundwater Elevations, Dissolved-Phase Benzene Concentrations)
- Exhibit 3: Benzene versus Groundwater Elevation Graphs
- Exhibit 4: Well Purging and Groundwater Sampling Protocol
- Exhibit 5: Monitoring Well Sampling Forms
- Exhibit 6: Analytical Laboratory Data Sheets
- Exhibit 7: Waste Disposal Manifest

Fuel dispensing operations were discontinued at the Property in 1984, and the underground storage tanks (USTs) were removed in 1987; prior to the widespread use of Methyl tert-butyl ether (MtBE). MtBE has never been detected by EPA Method 8260 in the groundwater beneath the Property. The benzene, toluene, ethylbenzene, and total xylene (BTEX) concentrations in the groundwater from wells MW-1A and MW-4A through MW-7A have been below either laboratory detection limits or the respective California Maximum Contaminant Levels (MCLs) for the last year. Only the benzene in the groundwater from wells MW-2A and MW-3A is above the respective MCL at 1.3 and 7.5 micrograms per liter ($\mu\text{g/L}$), respectively.

The historical groundwater information demonstrates that the residual dissolved-phase hydrocarbons in the groundwater are stable and have significantly reduced in concentration and mass.

There are no sensitive receptors in the vicinity of the Property. The nearest surface water body is the Estudillo Canal located approximately 0.6 miles south of the Property. In April 1998, a well survey conducted at the Alameda County Public Works (ACPW) found only two wells within a one-half mile radius of the Property: (1) an irrigation well approximately 2,000 feet to

Groundwater Monitoring and Sampling


ExxonMobil Station 04-FGN

Page 2 of 2

~~the~~ northwest (upgradient of the Property); and (2) another irrigation well approximately 1,500
~~feet~~ northeast (upgradient of the Property).

The historical groundwater analytical information indicates that natural attenuation has been
and is continuing to occur. The natural attenuation or any potential risk associated with the
residual hydrocarbons will not be increased or decreased due to additional groundwater
monitoring and sampling. For this and the above reasons, regulatory closure is recommended.
If you have any questions regarding this report, please call me at (925) 688-2463, or Mr. Brad
Ledesma, ExxonMobil Engineer, at (310) 212-1814.

Sincerely,



Christopher B. Dennis
Senior Geologist

cc: Mr. Brad Ledesma, ExxonMobil Remediation Services
Mr. Steven Ritchie, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Fuk K. Sit and Ms. Ying C. Sit



RECEIVED
08 APR 13 AM 9:33

April 12, 2000

Project No. 41-0114

Alameda County Health Care Services Agency
Division of Environmental Protection
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

ATTN: MR. SCOTT SEERY

SITE: FORMER MOBIL STATION 04-FGN
14994 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

RE: WELL ABANDONMENT REPORT

Dear Mr. Seery:

On behalf of ExxonMobil Remediation Services, TRC/Alton Geoscience submits this well abandonment report for the destruction of four monitoring wells at the former Mobil Service Station 04-FGN, located at 14994 East 14th Street, San Leandro, California (Figure 1).

Prior to the abandonment activities, a well destruction permit was obtained from the Alameda County Public Works Agency and encroachment permits were obtained from The City of San Leandro and Caltrans. Copies of the permits are provided in Appendix A.

Approximately five business days prior to field activities, Underground Service Alert (USA) was contacted to identify possible underground utilities in the vicinity of the monitoring wells.

On March 3, 2000, TRC/Alton Geoscience and V & W Drilling, Inc. abandoned monitoring wells MW-4A through MW-7A by pressure grouting methods, using a pressure of 32 pounds per square inch (PSI) (Figure 2). MW-4A, MW-6A, and MW-7A were backfilled to two feet below grade with neat cement and completed to surface grade with concrete. MW-5A was backfilled to 18-inches below grade with neat cement and completed with asphalt to road surface. Former well construction details are included in Appendix B. Well destruction details are provided in Appendix C.

Well completion reports were submitted to the State of California and copies are provided in Appendix D.

PROPOSED SCOPE OF WORK
FOR
ADDITIONAL SITE CHARACTERIZATION

Former Mobil Oil Station 04-FGN
14994 East 14th Street
San Leandro, California

Proposal No. 10-94-48

June 23, 1994

INTRODUCTION

The proposed scope of work to perform additional site characterization at former Mobil Oil Station 04-FGN, 14994 East 14th Street, San Leandro, California, is based on available reports and information. The work will be conducted to assess the extent of petroleum hydrocarbons in the subsurface soil and groundwater in accordance with the guidelines and requirements of the Alameda County Health Care Services Agency (ACHCSA) and the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB). A site vicinity map is shown in Figure 1.

PROJECT BACKGROUND

A summary of the investigative efforts completed to date is presented below:

- September 1987. Alameda County Environmental Health Department collected and analyzed soil samples from a Pacific Gas and Electric Company (PG&E) excavation in the sidewalk to the southeast of the site. Laboratory analysis detected 45,000 parts per million (ppm) total oil and grease (TOG) (Subsurface 1987).
- September 1987. Six soil borings were drilled to depths ranging from 9.5 to 13.5 feet below grade (fbg) in the area near the PG&E excavation, as shown in Figure 2. A soil sample was also collected at 3 fbg from the PG&E excavation. Up to 320 ppm total petroleum hydrocarbons as gasoline (TPH-G) and 8,000 ppm TOG were detected in the samples. Tetrachloroethylene at 6.6 ppm, trichloroethylene at 15 ppm, and trans-1,2-dichloroethylene at 8 ppm were detected in the sample collected at 5 fbg in Boring 6 (Subsurface 1987).
- March 1988. A soil boring was drilled to 24 fbg and converted into groundwater Monitoring Well MW-1. Groundwater was encountered during drilling at 12 fbg. The soil samples collected from the boring were not analyzed for hydrocarbon constituents. Up to 29,000 parts per billion (ppb) dissolved-phase TPH-G, ethylbenzene, and total xylenes were detected in the water samples collected from the well. An analytical search of 70,000 compounds in the Wiley/NBS spectral data library detected up to 240 ppb propylbenzene, ethylcyclobutane, 2-methylpentane, 2-methylbutane, 2,3-dimethylpentene,

2-methylhexane, 3-methylhexane, and 2,5,6-trimethyloctane. The report indicated that the area around the PG&E excavation was subsequently overexcavated, as shown in Figure 2. However, the depth of the overexcavation and laboratory results of soil sampling were not provided in the report (Subsurface 1988).

- January 1989. Groundwater Monitoring Well M-1 was sampled for analysis. Dissolved-phase TPH-G, benzene, ethylbenzene, and total xylenes were detected in the samples collected from the well. Purgeable halocarbons were not detected above reported detection limits (Subsurface 1989).
- February 1994. Four soil borings were drilled to depths ranging from 11.5 to 25 fbg. Soil Borings B-2 and B-3 were converted into groundwater Monitoring Wells MW-2 and MW-3. Groundwater was encountered during drilling at approximately 15 fbg. Analysis of soil samples detected up to 4,100 ppm TPH-G, 650 ppm total petroleum hydrocarbons as diesel (TPH-D), and 160 ppm TOG. Analysis of the groundwater samples detected up to 19,000 ppb TPH-G, 10,000 ppb TPH-D, and 70 ppb benzene. TOG was not detected above reported detection limit in any of the groundwater samples. Halogenated volatile organic compounds and volatile organic compounds were not detected above reported detection limits in the groundwater sample collected from MW-1, except for ethylbenzene and total xylenes (Alisto 1994).

PROPOSED SCOPE OF WORK

The primary intent of the proposed scope of work is to: (1) verify the groundwater gradient and concentrations of constituents of concern in the groundwater; (2) obtain additional information for site characterization required by the regulatory agencies; and (3) assess the impact of hydrocarbons on the subsurface soil and groundwater.

As required by the regulatory agencies, groundwater monitoring and sampling will be performed on a quarterly basis as part of the ongoing site investigation.

The proposed scope of work has been divided into two parts as follows:

- Part 1 - Groundwater Monitoring and Sampling
- Part 2 - Additional Site Characterization

Part 1 - Groundwater Monitoring and Sampling

Before beginning the additional site characterization, groundwater monitoring and sampling will be performed to verify the groundwater gradient and nature of hydrocarbons in the groundwater. After completion of this first groundwater monitoring and sampling event, the scope of work for Part 2 - Additional Site Characterization may need to be re-evaluated.

Tasks included under this part are as follows:



Alameda County

FEB 24 2004

Environmental Health

Semi-annual Groundwater Monitoring Report First Quarter 2004

Former Mobil Station 04-FGN 14994 East 14th Street San Leandro, California

Prepared for

ExxonMobil Refining and Supply Company
25A Crescent Drive #407
Pleasant Hill, California 94523

Prepared by

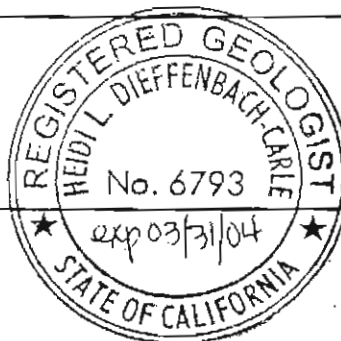
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, California 94523
(925) 602-4710

Bryan Campbell
Project Manager

February 12, 2004

Date

Heidi Dieffenbach-Carle, R.G. #6793
Senior Geologist



February 12, 2004

Date

February 2004

INTRODUCTION

At the request of ExxonMobil Refining and Supply Company, ETIC Engineering, Inc. has prepared this semi-annual groundwater monitoring report for former Mobil Station 04-FGN. This report presents the results for the most recent groundwater monitoring conducted at the site and summarizes recent site activities. This report covers site activities from 9 July 2003, the date of the last monitoring event, until 15 January 2004, the date of the recent monitoring event. Groundwater monitoring results, well construction details, and a groundwater monitoring plan are provided in the attached figures and tables. Groundwater monitoring protocols, field data, and analytical results are provided in the attached appendixes.

GENERAL SITE INFORMATION

Site name:	Former Mobil Station 04-FGN
Site address:	14994 East 14 th Street, San Leandro, California
Current property owner:	Jana Gluckman
Current site use:	Retail shopping center
Current phase of project:	Groundwater monitoring
Tanks at site:	None
Number of wells:	3 (all onsite)

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date:	15 January 2004
Wells gauged and sampled:	MW1A-MW3A
Wells gauged only:	None
Groundwater flow direction:	South-southwest
Groundwater gradient:	0.008
Well screens submerged:	None
Well screens not submerged:	MW1A-MW3A
Liquid-phase hydrocarbons:	Not observed or detected
Laboratory:	TestAmerica, Inc., Nashville, Tennessee

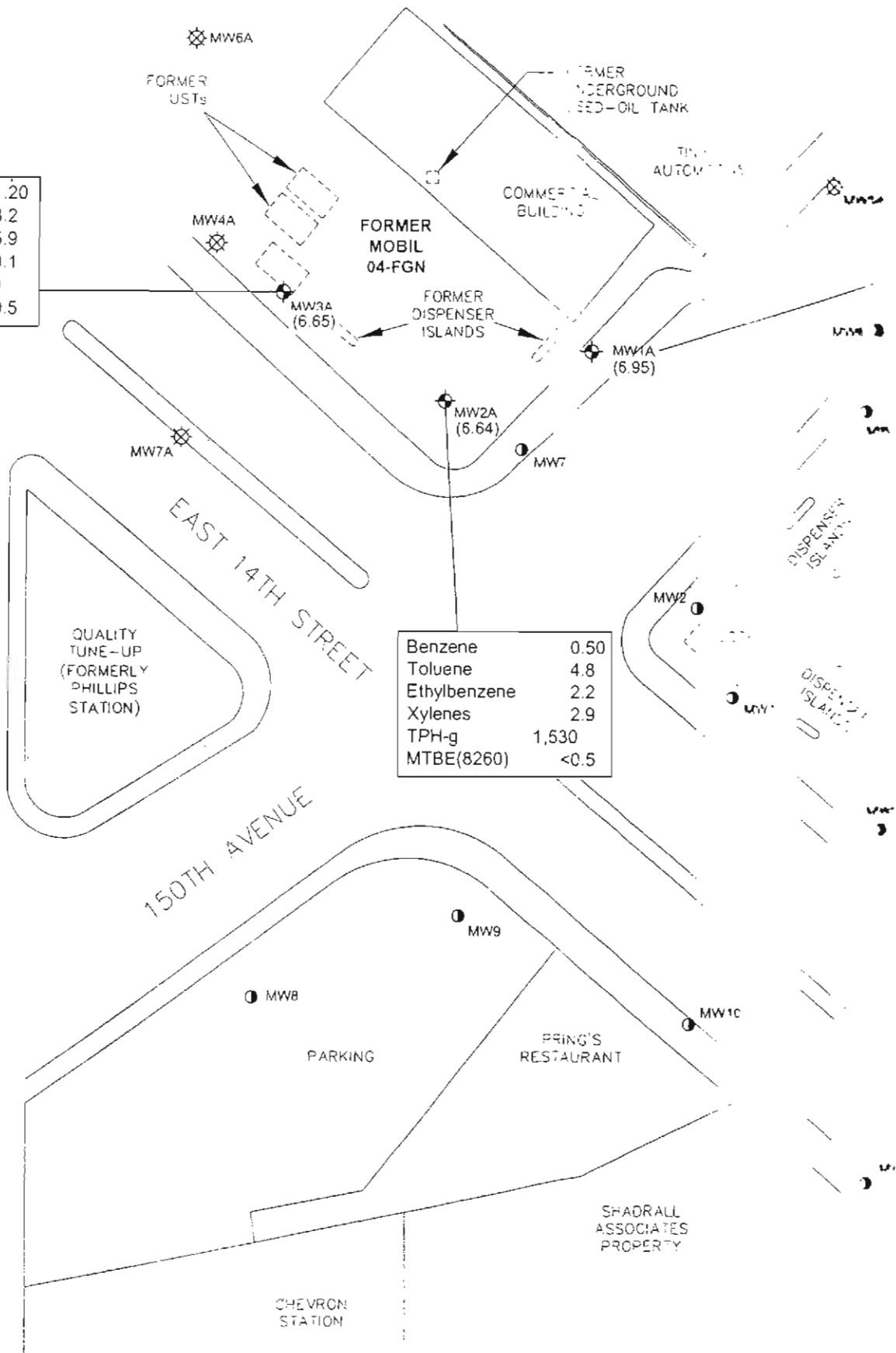
Analyses performed:

- Total Petroleum Hydrocarbons as gasoline by EPA Method 8015B
- Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8021B
- Methyl t-butyl ether, ethyl t-butyl ether, t-amyl methyl ether, t-butyl alcohol, diisopropyl ether, 1,2-dichloroethane, and 1,2-dibromoethane by EPA Method 8260B

Flow Direction
N 00 E

Benzene	1.20
Toluene	8.2
Ethylbenzene	5.9
Xylenes	9.1
TPH-g	2,810
MTBE(8260)	<0.5




Benzene	0.50
Toluene	4.8
Ethylbenzene	2.2
Xylenes	2.9
TPH-g	1,530
MTBE(8260)	<0.5



SITE PLAN SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
 FORMER MOBIL STATION 04-FGN
 14994 EAST 14th STREET, SAN LEANDRO, CALIFORNIA
 15 JANUARY 2004

Benzene	0.70
Toluene	5.2
Ethylbenzene	4.0
Xylenes	2.8
TPH-g	1,640
MTBE(8260)	<0.5

LEGEND:

- MW2  Mobil groundwater monitoring well
- MW1  Destroyed monitoring well location
- MW1  Unocal groundwater monitoring well
- (6.95) Groundwater elevation (feet)
- TPH-g Total Petroleum Hydrocarbons as gasoline
- MTBE Methyl t-butyl ether

NOTE:
Concentrations in micrograms per liter (ug/L).

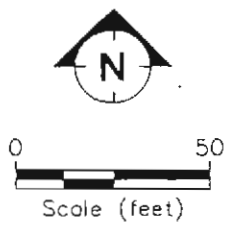
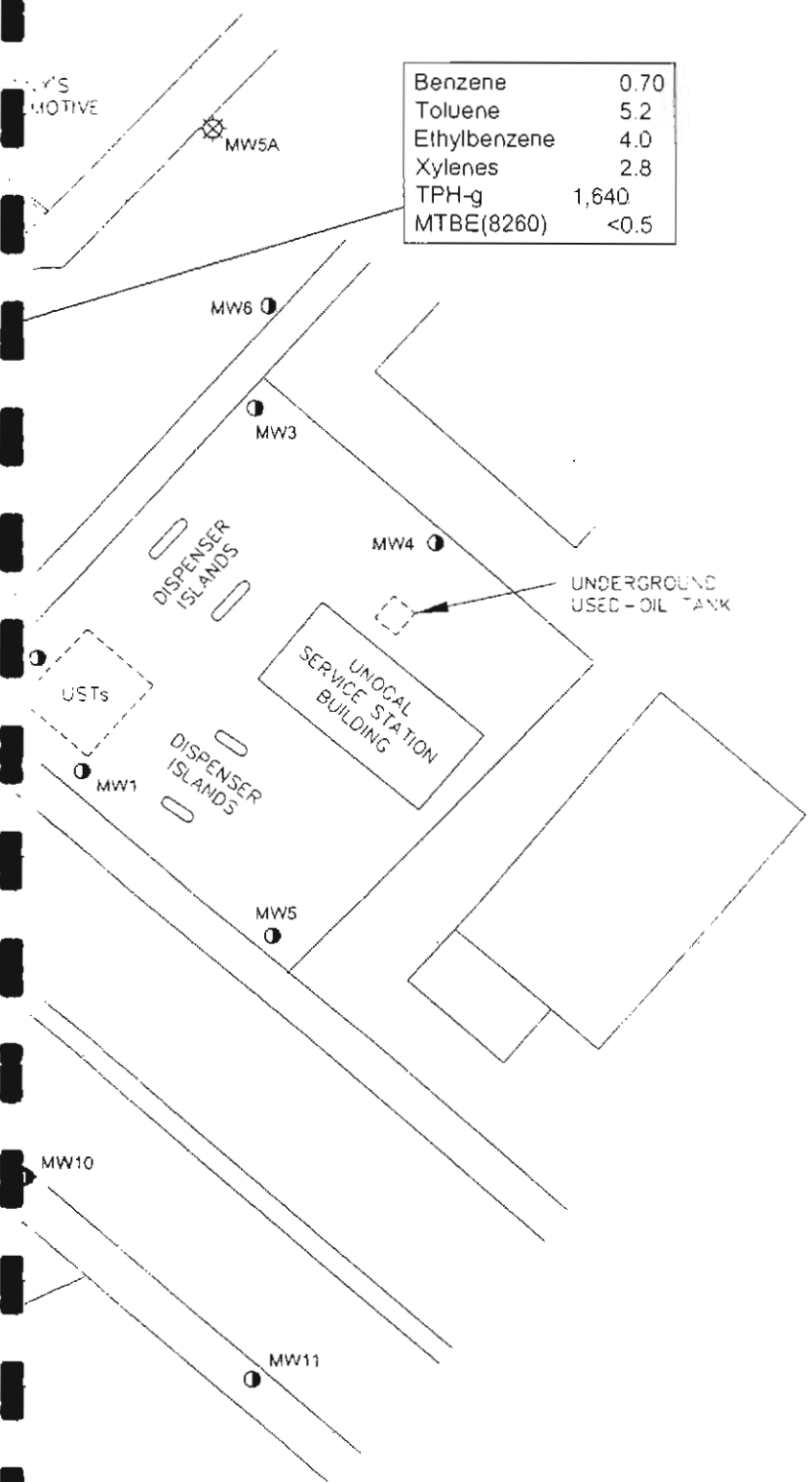


TABLE 1 WELL CONSTRUCTION DETAILS, FORMER MOBIL STATION 04-FGN, 14994 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

Well Number	Well Installation Date	Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material
MW1A	a 03/31/88	16.34	PVC	24	19	8	2	9 - 19	0.020	8 - 19 19 - 24 ^c	#3 Sand
MW2A	a 02/10/94	16.12	PVC	24	24	8	2	8.5 - 24	0.010	7 - 24	#2/12 Lonestar Sand
MW3A	a 02/10/94	16.42	PVC	23	23	8	2	8 - 23	0.010	6.5 - 23	#2/12 Lonestar Sand
MW4A	b 06/01/95	--	PVC	26.5	24	11	4	9 - 24	0.010	7 - 26.5	#2/12 Lonestar Sand
MW5A	b 06/01/95	--	PVC	26.5	24	11	4	9 - 24	0.010	7 - 26.5	#2/12 Lonestar Sand
MW6A	b 06/02/95	--	PVC	26.5	24	11	4	9 - 24	0.010	7 - 26.5	#2/12 Lonestar Sand
MW7A	b 07/28/95	--	PVC	26.5	24	11	4	9 - 24	0.010	7 - 26.5	#2/12 Lonestar Sand

a Well resurveyed on 27 November 2001.
 b Well destroyed.
 c Depth of bentonite seal at the base of the boring.

PVC Polyvinyl chloride.
 TOC Top of casing.

-- Information not available.

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04-FGN, 14994 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Concentrations (µg/L)							
					TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020 or 8021)	MTBE (8240 or 8260)
MW1A	03/31/88	36.35	—	—	29,000	ND	ND	ND	550	640	—	—
MW1A	01/31/89	36.35	—	—	11,200	—	260	ND	500	500	—	—
MW1A	02/24/94	36.35	9.42	26.93	11,000	2,500	70	ND	260	180	—	—
MW1A	08/03/94	36.35	12.00	24.35	13,000	7,100	61	50	280	230	—	—
MW1A	11/23/94	36.35	11.18	25.17	12,000	2,500	49	ND	300	190	—	—
MW1A	02/28/95	36.35	9.08	27.27	10,000	3,200	25	ND	110	67	—	—
MW1A	05/10/95	36.35	8.33	28.02	10,000	3,600	31	ND	140	81	—	—
MW1A	08/02/95	36.63	9.49	27.14	10,000	3,800	24	18	130	80	—	—
MW1A	11/02/95	36.63	11.05	25.58	12,000	3,400 ⁱ	ND	ND	190	150	—	—
MW1A	02/08/96	36.63	7.55	29.08	8,000	3,600 ⁱ	100	21	87	58	—	—
MW1A	05/08/96	36.63	7.52	29.11	9,200	—	11	ND	120	64	—	—
MW1A	08/09/96	36.63	9.63	27.00	—	—	—	—	—	—	—	—
MW1A	08/20/96	36.63	—	—	6,800	—	64	22	100	55	130	ND
MW1A	11/07/96	36.63	11.01	25.62	7,900	—	100	12	70	34	95	ND
MW1A	02/10/97	36.63	7.58	29.05	5,800	—	36	15	67	29	58	ND
MW1A	05/07/97	36.63	9.15	27.48	1,400	—	13	ND	11	ND	ND	—
MW1A	09/10/97	36.63	10.88	25.75	7,800	—	64	ND	70	26	120	ND
MW1A	02/12/98	36.63	5.52	31.11	ND	—	ND	ND	ND	ND	ND	—
MW1A	08/12/98	36.63	8.80	27.83	500	—	41	12	1.8	20	ND	—
MW1A	12/10/99	36.63	10.86	25.77	1,700	—	ND	1.4	6.2	3.3	ND	—
MW1A	01/14/00	36.63	11.33	25.30	4,600	—	ND	30	28	ND	ND	—
MW1A	10/27/00	36.63	10.30	26.33	3,500	—	<10	2.6	13	6.4	18	<5
MW1A	01/18/01	36.63	10.45	26.18	4,500	—	<10	3.9	12	4.7	<20	—
MW1A	07/10/01	36.63	10.72	25.91	2,000	—	<20	18	9.6	18	<20	<2
MW1A	11/27/01	16.34	Well resurveyed to new reference point									
MW1A	01/16/02	16.34	9.02	7.32	2,690	—	11.7	1.60	6.80	6.00	23.9	—
MW1A	07/08/02	16.34	10.43	5.91	1,570	—	12.0	11.0	<5.0	<5.0	24.0	<0.50
MW1A	01/23/03	16.34	8.84	7.50	2,040	—	16.5	3.5	8.70	5.90	—	<0.50
MW1A	07/09/03	16.34	9.97	6.37	1,440	—	8.60	1.0	7.3	5.2	13.6	<0.5
MW1A	01/15/04	16.34	9.39	6.95	1,640	—	0.70	5.2	4.0	2.8	—	<0.5
MW2A	02/24/94	36.61	9.52	27.09	6,400	4,500	31	ND	58	42	—	—
MW2A	08/23/94	36.61	12.05	24.56	7,500	7,100	42	21	71	53	—	—

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04-FGN, 14994 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Concentrations (µg/L)							
					TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020 or 8021)	MTBE (8240 or 8260)
MW2A	11/23/94	36.61	11.25	25.36	7,000	1,800	33	11	39	ND	—	—
MW2A	02/28/95	36.61	9.10	27.51	9,000	1,600	29	36	96	45	—	—
MW2A	05/10/95	36.61	8.42	28.19	5,100	1,600	20	27	32	35	—	—
MW2A	08/02/95	36.62	9.54	27.08	4,300	1,800	36	ND	11	16	—	—
MW2A	11/02/95	36.62	11.08	25.54	4,300	3,000 ⁱ	22	ND	10	11	—	—
MW2A	02/08/96	36.62	7.68	28.94	2,900	940 ⁱ	32	13	13	ND	—	—
MW2A	05/08/96	36.62	8.64	27.98	2,500	—	13	12	19	26	—	—
MW2A	08/09/96	36.62	9.71	26.91	—	—	—	—	—	—	—	—
MW2A	08/20/96	36.62	—	—	2,500	—	19	11	6.8	8.1	36	—
MW2A	11/07/96	36.62	11.04	25.58	4,700	—	58	7.3	5.3	ND	55	—
MW2A	02/10/97	36.62	7.75	28.87	2,600	—	12	10	35	15	ND	—
MW2A	05/07/97	36.62	9.23	27.39	3,300	—	25	18	16	11	ND	—
MW2A	09/10/97	36.62	10.91	25.71	2,800	—	24	ND	ND	ND	43	—
MW2A	02/12/98	36.62	5.59	31.03	3,800	—	10	11	30	14	ND	—
MW2A	08/12/98	36.62	8.85	27.77	1,300	—	0.8	8.7	2.4	4.7	ND	—
MW2A	12/10/99	36.62	10.90	25.72	1,300	—	ND	2.2	ND	ND	ND	—
MW2A	01/14/00	36.62	11.39	25.23	2,700	—	1.3	18	2.4	ND	ND	—
MW2A	10/27/00	36.62	10.48	26.14	2,600	—	9.6	2.4	<5.0	<5.0	7.9	—
MW2A	01/18/01	36.62	10.61	26.01	3,800	—	<5.0	2.1	3.0	2.0	<10	—
MW2A	07/10/01	36.62	10.78	25.84	2,100	—	<10	2.6	2.8	3.4	<10	—
MW2A	11/27/01	16.12	Well resurveyed to new reference point									
MW2A	01/16/02	16.12	9.11	7.01	2,500	—	9.80	5.10	6.50	9.80	16.0	—
MW2A	07/08/02	16.12	10.48	5.64	682	—	6.3	0.7	0.9	3.3	8.5	—
MW2A	01/23/03	16.12	8.94	7.18	1,180	—	8.8	3.1	4.8	5.8	—	<0.50
MW2A	07/09/03	16.12	10.03	6.09	1,430	—	7.80	1.5	3.1	3.4	10.5	<0.5
MW2A	01/15/04	16.12	9.48	6.64	1,530	—	0.50	4.8	2.2	2.9	—	<0.5
MW3A	02/24/94	36.92	9.85	27.07	19,000	10,000	52	30	690	290	—	—
MW3A	08/23/94	36.92	12.33	24.59	14,000	11,000	44	24	1,000	100	—	—
MW3A	11/23/94	36.92	11.56	25.36	13,000	2,600	30	18	690	52	—	—
MW3A	02/28/95	36.92	9.35	27.57	8,500	—	11	ND	340	24	—	—
MW3A	05/10/95	36.92	8.55	28.37	7,600	3,800	ND	ND	400	45	—	—
MW3A	08/02/95	36.93	9.75	27.18	9,200	3,800	17	13	340	34	—	—

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04-FGN, 14994 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Concentrations (µg/L)							
					TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020 or 8021)	MTBE (8240 or 8260)
MW3A	11/02/95	36.93	11.29	25.64	9,200	4,400 ⁱ	31	ND	360	72	—	—
MW3A	02/08/96	36.93	7.97	28.96	6,900	3,800 ⁱ	38	ND	230	43	—	—
MW3A	05/08/96	36.93	8.82	28.11	7,700	—	ND	ND	270	38	—	—
MW3A	08/09/96	36.93	9.95	26.98	—	—	—	—	—	—	—	—
MW3A	08/20/96	36.93	—	—	5,600	—	8.0	29	180	23	12	—
MW3A	11/07/96	36.93	11.28	25.65	8,600	—	47	ND	150	29	ND	—
MW3A	02/10/97	36.93	7.95	28.98	8,300	—	28	ND	130	23	ND	—
MW3A	05/07/97	36.93	9.45	27.48	37,000	—	230	110	630	ND	ND	—
MW3A	09/10/97	36.93	11.13	25.80	5,500	—	16	ND	75	11	ND	—
MW3A	02/12/98	36.93	5.72	31.21	10,000	—	37	ND	84	25	ND	—
MW3A	08/12/98	36.93	9.05	27.88	5,600	—	4	18	39	19	ND	—
MW3A	12/10/99	36.93	11.21	25.72	5,900	—	ND	3.0	22	5.0	ND	—
MW3A	01/14/00	36.93	11.64	25.29	6,500	—	7.5	27	37	ND	ND	—
MW3A	10/27/00	36.93	10.78	26.15	6,300	—	<10	3.8	17	5.6	<20	—
MW3A	01/18/01	36.93	10.87	26.06	7,300	—	<20	3.1	14	3.3	<10	—
MW3A	07/10/01	36.93	11.03	25.90	5,200	—	7.3	8.0	11	9.6	<10	—
MW3A	11/27/01	16.42	Well resurveyed to new reference point									
MW3A	01/16/02	16.42	9.38	7.04	4,900	—	19.0	<5.00	16.0	14.0	28.0	<5
MW3A	07/08/02	16.42	10.75	5.67	2,470	—	9.1	1.8	8.8	4.1	17.5	—
MW3A	01/23/03	16.42	9.20	7.22	2,240	—	12.5	4.5	7.9	28.0	—	<0.50
MW3A	07/09/03	16.42	10.28	6.14	2,850	—	10.8	2.8	8.3	5.5	15.7	<0.5
MW3A	01/15/04	16.42	9.77	6.65	2,810	—	1.20	8.2	5.9	9.1	—	<0.5
MW4A	08/02/95	37.18	9.63	27.55	ND	ND	ND	ND	ND	ND	—	—
MW4A	11/02/95	37.18	11.48	25.70	ND	ND	ND	ND	ND	ND	—	—
MW4A	02/08/96	37.18	8.18	29.00	ND	ND	ND	1.1	ND	0.92	—	—
MW4A	05/08/96	37.18	8.49	28.69	ND	—	ND	ND	ND	ND	—	—
MW4A	08/09/96	37.18	10.05	27.13	—	—	—	—	—	—	—	—
MW4A	08/20/96	37.18	—	—	ND	—	ND	ND	ND	ND	ND	—
MW4A	11/07/96	37.18	11.48	25.70	ND	—	ND	ND	ND	0.88	ND	—
MW4A	02/10/97	37.18	8.11	29.07	ND	—	ND	2.4	ND	ND	ND	—
MW4A	05/07/97	37.18	9.64	27.54	ND	—	ND	ND	ND	ND	ND	—
MW4A	09/10/97	37.18	11.32	25.86	—	—	—	—	—	—	—	—

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04-FGN, 14994 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Concentrations (µg/L)							
					TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020 or 8021)	MTBE (8240 or 8260)
MW4A	02/12/98	37.18	5.90	31.28	ND	—	ND	ND	ND	ND	ND	—
MW4A	08/12/98	37.18	9.21	27.97	—	—	—	—	—	—	—	—
MW4A	12/10/99	37.18	11.46	25.72	ND	—	ND	0.39	ND	0.95	ND	—
MW4A	03/09/00	Well destroyed										
MW5A	08/02/95	35.91	8.74	27.17	1,300	220	16	0.68	1.3	4.3	—	—
MW5A	11/02/95	35.91	10.34	25.57	180	ND	1.9	1.2	ND	ND	—	—
MW5A	02/08/96	35.91	6.67	29.24	160	150	1.9	2.2	ND	0.89	—	—
MW5A	05/08/96	35.91	7.35	28.56	260	—	2.4	6.7	2.0	9.6	—	—
MW5A	08/09/96	35.91	8.81	27.10	—	—	—	—	—	—	—	—
MW5A	08/20/96	35.91	—	—	ND	—	ND	1.8	ND	ND	9.4	—
MW5A	11/07/96	35.91	10.25	25.66	—	—	—	—	—	—	—	—
MW5A	02/10/97	35.91	6.93	28.98	ND	—	ND	1.2	ND	ND	ND	—
MW5A	05/07/97	35.91	8.42	27.49	—	—	—	—	—	—	—	—
MW5A	09/10/97	35.91	10.15	25.76	—	—	—	—	—	—	—	—
MW5A	02/12/98	35.91	5.32	30.59	ND	—	ND	ND	ND	ND	ND	—
MW5A	08/12/98	35.91	8.19	27.72	—	—	—	—	—	—	—	—
MW5A	12/10/99	35.91	10.10	25.81	ND	—	ND	ND	ND	ND	ND	—
MW5A	03/09/00	Well destroyed										
MW6A	08/02/95	37.10	9.68	27.42	ND	ND	ND	ND	ND	ND	—	—
MW6A	11/02/95	37.10	11.26	25.84	ND	ND	ND	ND	ND	ND	—	—
MW6A	02/08/96	37.10	7.79	29.31	ND	ND	ND	1.3	ND	1.3	—	—
MW6A	05/08/96	37.10	8.38	28.72	ND	—	ND	1.6	ND	1.2	—	—
MW6A	08/09/96	37.10	9.82	27.28	—	—	—	—	—	—	—	—
MW6A	08/20/96	37.10	—	—	ND	—	ND	ND	ND	ND	ND	—
MW6A	11/07/96	37.10	11.02	26.08	—	—	—	—	—	—	—	—
MW6A	02/10/97	37.10	7.70	29.40	ND	—	ND	3.4	ND	ND	ND	—
MW6A	05/07/97	37.10	9.31	27.79	—	—	—	—	—	—	—	—
MW6A	09/10/97	37.10	11.08	26.02	—	—	—	—	—	—	—	—
MW6A	02/12/98	37.10	5.52	31.58	ND	—	ND	ND	ND	ND	ND	—
MW6A	08/12/98	37.10	8.91	28.19	—	—	—	—	—	—	—	—
MW6A	12/10/99	37.10	11.24	25.86	ND	—	ND	0.32	ND	ND	ND	—
MW6A	03/09/00	Well destroyed										

TABLE 3 GROUNDWATER ANALYTICAL RESULTS FOR OXYGENATES AND ADDITIVES,
FORMER MOBIL STATION 04-FGN, 14994 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

Well ID	Date	Concentrations ($\mu\text{g/L}$)						
		t-Butyl alcohol	Methyl t-butyl ether	Diisopropyl ether	Ethyl t-butyl ether	t-Amyl methyl ether	1,2-Dichloroethane	1,2-Dibromoethane
MW1A	08/20/96	--	ND	--	--	--	--	--
MW1A	11/07/96	--	ND	--	--	--	--	--
MW1A	02/10/97	--	ND	--	--	--	--	--
MW1A	09/10/97	--	ND	--	--	--	--	--
MW1A	10/27/00	--	<5	--	--	--	--	--
MW1A	07/10/01	--	<2	--	--	--	--	--
MW1A	07/08/02	--	<0.50	--	--	--	--	--
MW1A	01/23/03	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1A	01/15/04	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW2A	01/23/03	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2A	01/15/04	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW3A	01/16/02	--	<5	--	--	--	--	--
MW3A	01/23/03	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW3A	01/15/04	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

ND Not detected at or above laboratory reporting limit.

-- Not analyzed or not provided.

$\mu\text{g/L}$ Micrograms per liter.

TABLE 4 GROUNDWATER MONITORING PLAN.
 FORMER MOBIL STATION 04-FGN, 14994 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

Well Number	Groundwater Gauging Frequency	Groundwater Sampling and Analysis Frequency		
		BTEX and TPH-g	MTBE	Oxygenates and Additives
MW1A	SA	SA	SA	SA
MW2A	SA	SA	SA	SA
MW3A	SA	SA	SA	SA

SA = Semi-annually (during the first and third quarters of each year).

BTEX = Benzene, toluene, ethylbenzene, total xylenes.

MTBE = Methyl tertiary butyl ether.

TPH-g = Total Petroleum Hydrocarbons as gasoline.

Oxygenates and additives include diisopropyl ether, t-butyl alcohol, tert-amyl methyl ether, ethyl tert-butyl ether, 1,2-dibromoethane, and 1,2-dichloroethane.

FORMAL CASE CLOSURE REQUEST

November 23, 1998

FORMER MOBIL STATION NO. 04-FGN

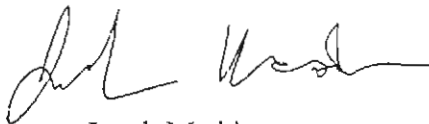
14994 East 14th Street
San Leandro, California

Alton Project No. 41-0114-50

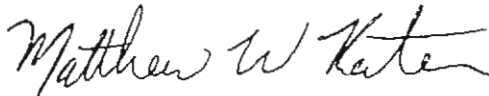
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Formal Case Closure Request

Former Mobil Station 04-FGN

November 23, 1998

1.0 INTRODUCTION

This report represents a request for case closure with technical justification for Former Mobil Service Station 04-FGN, located at 14994 East 14th Street in San Leandro, California (Figure 1). The objectives of this report are to:

- Summarize the findings and conclusions of environmental investigations and testing conducted at the site; and,
- Provide sufficient risk management information to support case closure with no further action

The results of previous assessment activities revealed the presence of residual petroleum hydrocarbons at the site. This site closure request includes data regarding the lateral and vertical extent of impacted soil and groundwater, regional hydrogeologic characteristics, physical and chemical properties of the contaminant, and qualitative evaluation of potential human and environmental risks.

2.0 CURRENT SITE CONDITIONS

The Former Mobil Station 04-FGN site has been redeveloped as a retail shopping center. It is situated on a level, paved lot located at the northwest corner of the intersection of East 14th Street and 150th Avenue in San Leandro, California (Figure 1). The locations of the monitoring wells, the former building, the former pump islands and underground tank cluster are shown on Figure 2. The site is located in a commercial district and is approximately 3 miles east of the San Francisco Bay at an elevation of approximately 40 feet above mean sea level (msl).

An active Unocal Station exists to the southeast of the site. To the southwest, a Quality Tune Up station exists, prior to 1983 this site was occupied by a Phillips Petroleum service station. In addition, an active Chevron station is located to the south of the site (Figure 2).

3.0 GEOLOGY AND HYDROGEOLOGY OF THE SITE

The topography in the area of the site slopes gently southwest towards the San Francisco Bay. The site is underlain by Quaternary alluvium consisting of primarily clays interbedded with silt and fine sands. (See cross-section in Attachment A).

Groundwater is present at a depth of approximately 8 to 10 (fbg) in the vicinity of the site, as measured during the most recent groundwater sampling event. The groundwater gradient at the site has been consistently to the south, since the site was first sampled in February 1994 (Figure 4). Water table fluctuations have ranged seasonally from approximately 6 to 12 fbg at the site (Table 2).

Formal Case Closure Request
Former Mobil Station 04-FGN
November 23, 1998

4.0 BACKGROUND

In 1984, Mobil discontinued fuel dispensing operations at the site. In 1987, three unleaded gasoline tanks of unknown size, and one waste oil tank of unknown size, and the associated fuel dispensers and piping were removed from the site. During removal activities an unknown quantity of soil was excavated from the tank cavity. These activities were conducted by the property owner.

In September 1987, Alameda County Environmental Health Department collected and analyzed soil samples from a Pacific Gas and Electric Company (PG&E) excavation in the sidewalk to the southeast of the site. Laboratory analysis detected 45,000 milligrams per kilogram (mg/kg), of total oil and grease (TOG). Six soil borings (SCB-1 through SCB-6) were drilled to depths ranging from 9.5 to 13.5 feet near the PG&E excavation, as shown in Figure 3. Tetrachloroethylene (PCE) at 6.6 mg/kg, trichloroethylene (TCE) at 15 mg/kg, and trans-1,2-dichloroethylene (1,2 DCE) at 8 mg/kg were detected in the sample collected at 5 feet below grade in Boring SCB-6 (Subsurface, 1987). In March 1988, The area around the PG&E excavation was subsequently overexcavated, as shown in Figure 2. The depth of the overexcavation and laboratory results of soil sampling were not documented in the Subsurface Consultants, Inc. report (Subsurface, 1988).

Also in March 1988, a soil boring was drilled to 24 fbg and converted into groundwater Monitoring Well MW-1A. Groundwater was encountered at 12 feet below grade. Up to 29,000 micrograms per liter (ug/l) dissolved-phase of TPH-G was detected in the water sample collected from the well.

In February 1994, Borings B-1 through B-4 were drilled to depths ranging from 11.5 to 25 fbg. Analysis of soil samples collected from the borings detected up to 4,100 mg/kg TPH-G and 650 mg/kg TPH as diesel (TPH-D). TOG was detected at concentrations of up to 160 mg/kg in the samples collected from B-1, B-3, and B-4. Borings B-2 and B-3 were converted into groundwater Monitoring Wells MW-2A and MW-3A. Groundwater samples were collected from the monitoring wells and up to 19,000 ug/l TPH-G, 10,000 TPH-D, and 70 ug/l benzene were detected in them. TOG was not detected above the reported detection limit in any of the monitoring wells during this monitoring event. (Alisto, 1994)

On June 1 and 2, 1995, Borings B-5 through B-9 and monitoring wells MW-4A through MW-6A were drilled and sampled to depths ranging from 15.5 to 26.5 fbg. Monitoring well MW-7A was drilled and installed on July 28, 1995. Petroleum hydrocarbons were detected in soil samples collected from Borings B-5 through B-7, B-9, MW-4A and MW-5A at concentrations of up to 130 mg/kg TPH-G. (Alisto, 1994)

Monitoring and sampling was conducted in all existing Mobil wells on a quarterly basis from February 1994 to September 1997, at which time the sampling frequency was reduced to a semi-annual sampling schedule. Dissolved-phase hydrocarbon concentrations have been decreasing steadily with time in

Formal Case Closure Request

Former Mobil Station 04-FGN

November 23, 1998

groundwater collected from monitoring wells MW-1A, MW-2A, and MW-3A. Monitoring Wells MW-4A through MW-7A are typically below laboratory detection limits.

5.0 HYDROCARBONS IN SOIL AND GROUNDWATER

Soil:

The initial discovery of petroleum hydrocarbons in 1987 lead to a series of subsequent soil and groundwater investigations. By September 1995, the lateral and vertical extent of the adsorbed hydrocarbons had been determined. Based on the data collected, hydrocarbon contamination in the unsaturated zone is minimal and limited to the immediate vicinity of borings B-1 and B-4, directly beneath the former dispenser islands (Figure 3). The highest level of petroleum hydrocarbons detected in the remaining soil was in sample B-4 (Table 1) at a depth of 6.5 fbg (4,100 ppm of TPH-G and non-detectable concentrations of benzene; February 1994 (Alisto 1995).

Groundwater:

No free-product has ever been detected in any of the wells

The lateral extent of dissolved-phase hydrocarbons in groundwater has been adequately defined by the monitoring results of the onsite and offsite wells.

The maximum benzene concentration detected in groundwater during the most recent sampling event, conducted August 12, 1998, was 41 ppb in Monitoring Well MW-1A (Figure 5).

The residual petroleum hydrocarbon contaminants remaining beneath the site appear to be highly weathered gasoline hydrocarbons. The weathered characteristics are evident by the relatively low concentrations of aromatic hydrocarbons (i.e., benzene, toluene, ethylbenzene, and xylenes) (Table 2). This weathered gasoline is less subject to fate processes such as volatilization, dissolution, and migration.

6.0 SENSITIVE RECEPTORS

The nearest surface water body is Estudillo Canal located approximately 0.6 miles south of the site (Figure 1). This canal is not named in the Regional Board's Basin Plan for this region.

The nearest significant body of surface water is San Lorenzo Creek, which is located approximately 1.5 miles south of the site. The existing and potential beneficial uses as indicated in the Regional Board's Basin Plan for San Lorenzo Creek are listed below:

Formal Case Closure Request

Former Mobil Station 04-FGN

November 23, 1998

EXISTING USES

Cold Freshwater Habitat (COLD)
Freshwater Replenishment (FRSH)
Groundwater Recharge (GWR)
Fish Migration (MIGR)
Municipal and Domestic Supply (MUN)
Water Contact Recreation (REC-1)
Non Contact Water Recreation (REC-2)
Fish Spawning (SPWN)
Warm Freshwater Habitat (WARM)
Wildlife Habitat (WILD)

The groundwater basin underlying the site is the East Bay Plain Basin. It has an aerial extent of 114 square miles and has an average depth below ground surface of 25 to 596 feet (CRWQCB,1995). The existing beneficial uses as stated in the Regional Board's Basin Plan for the East Bay Plain Aquifer are listed below:

EXISTING USES

Industrial Service Supply (IND)
Municipal and Domestic Supply (MUN)
Industrial Process Supply (PROC)
Agricultural Supply (AGR)

In April 1998 Alton Geoscience conducted a well survey with Alameda County Public Works (ACPW) to determine if any water use wells are located in the vicinity of the subject site. According to information available from ACPW, there is an irrigation well approximately 2,000 feet to the northwest, (upgradient of the site) and an irrigation well approximately 1,500 feet northeast, (also upgradient of the site). No other supply wells were found to exist within a 1/2 mile radius.

7.0 JUSTIFICATION FOR SITE CLOSURE

- Tanks, piping, and hydrocarbon affected soil have been excavated and removed from the site.
- The extent of remaining soil and groundwater hydrocarbon concentrations have been adequately characterized and demonstrated to be limited in extent.
- Shallow groundwater is not typically utilized as a drinking water, agricultural, or industrial supply in this region. Although the detected benzene concentrations are above the drinking water standard, only two irrigation wells exist within 1/2 mile, and both are greater than 1,000 feet upgradient of the site. Supply wells, properly constructed in deeper aquifers, are typically protected from petroleum hydrocarbon contamination that exists in shallower aquifers (LLNL, 1995).

Formal Case Closure Request

Former Mobil Station 04-FGN

November 23, 1998

- The site is mostly capped with asphalt and concrete which is limiting infiltration of precipitation and surface runoff water to the subsurface. Since no site use changes are planned, this feature should continue to inhibit dissolution and contribution of any remaining vadose hydrocarbons to the dissolved-phase plume.
- The residual petroleum hydrocarbons at this site are characterized as weathered. The weathered characteristics are evident by the relatively low concentrations of aromatic hydrocarbons (i.e., BTEX). The remaining gasoline components are less subject to fate processes such as volatilization, dissolution, and migration, and therefore, do not pose a significant risk to human health or the surrounding environment.
- MTBE is not a factor at this site. Gasoline dispensing activities were discontinued prior to the use of MTBE as a gasoline additive, and the results of the EPA method 8260 analyses indicate that the EPA method 8020 results represent "false positives".
- The dissolved hydrocarbon plume is not migrating. All of the monitoring wells with historically detectable hydrocarbon concentrations (MW-1A, MW-2A, MW-3A, and MW-5A) have shown a decreasing trend in dissolved phase hydrocarbon concentrations since sampling began in these wells in 1994, (Figure 6). This data suggests that the dissolved-phase plume is shrinking, due to natural attenuation.

In conclusion, the magnitude of hydrocarbon contamination at this site does not warrant any active soil or groundwater remediation, the current site conditions meet the qualifications for a "Low Risk Groundwater Case" as defined by the State and Regional Water Quality Control Boards (SWRCB, 1995 and CRWQCB, 1996), and natural processes are expected to continue to reduce the residual hydrocarbons (LLNL 1995).

7.0 RECOMMENDATION

Based on the findings of this and previous investigations, and the site closure justification described above, it is Alton Geoscience's recommendation that this "Low Risk Groundwater Case" be closed with no further action being required other than the appropriate monitoring well destructions and report.

9.0 REFERENCES

- Alisto Engineering (1994), Preliminary Site Investigation Report, 14994 East 14th Street, San Leandro, California. April, 1994.
- Alisto Engineering (1995), Revised Additional Site Investigation Report, 14994 East 14th Street, San Leandro, California. October 5.

PARKING

PRINGS RESTAURANT

HESPERIAN BOULEVARD

PROpane TANK

CHEVRON STATION

MW-4

WASTE OIL TANK

STATION BUILDING

MW-5

PUMP ISLANDS

MW-7

SHADRALL ASSOCIATES PROPERTY
(FORMER LIQUOR BARN PARKING LOT)

MW-1

MW-6

USTs

MW-3

MW-2

MW-1





MW-8

MW-2

MW-10

MW-11

LEGEND

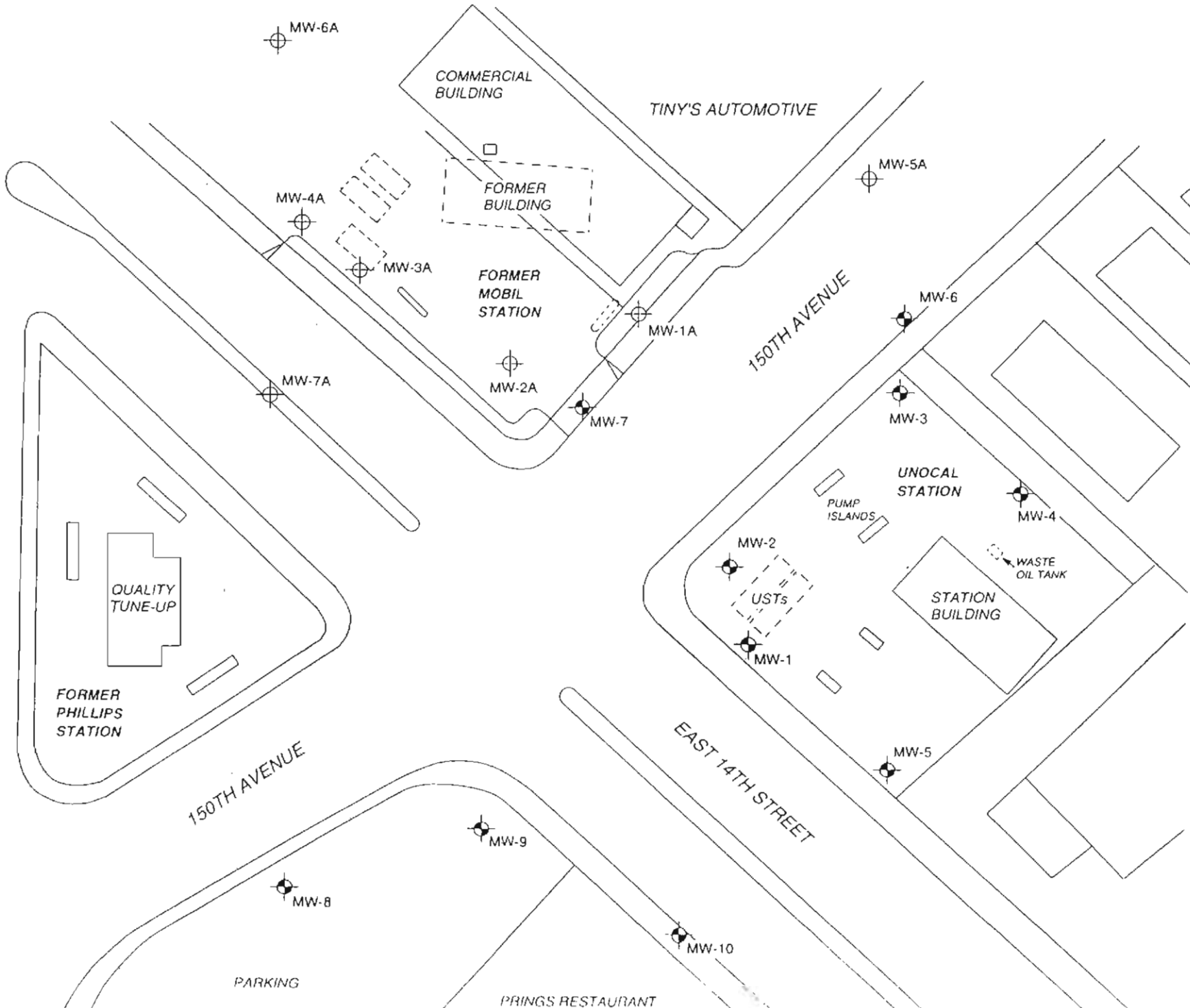
- MW-7A  Groundwater monitoring well (Mobil)
- MW-11  Groundwater monitoring well (Unocal)
- MW-5  Groundwater monitoring well (Chevron)
- MW-1  Groundwater monitoring well (Shadrall Property)

SITE PLAN

Former Mobil Station 04-FGN
14994 East 14th Street
San Leandro, California

ALTON

25
o SCALE (feet) 50



MW-6A

FORMER UNDERGROUND FUEL TANKS

FORMER UNDERGROUND WASTE OIL TANK

FORMER BUILDING

MW-4A

B-8

B-3/MW-3A

B-4

FORMER DISPENSER ISLANDS

B-5

B-9

B-6

PLANTER


B-2/MW-2A


MW-7A


EAST 14TH STREET

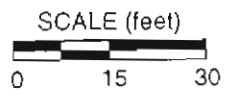
MW-7

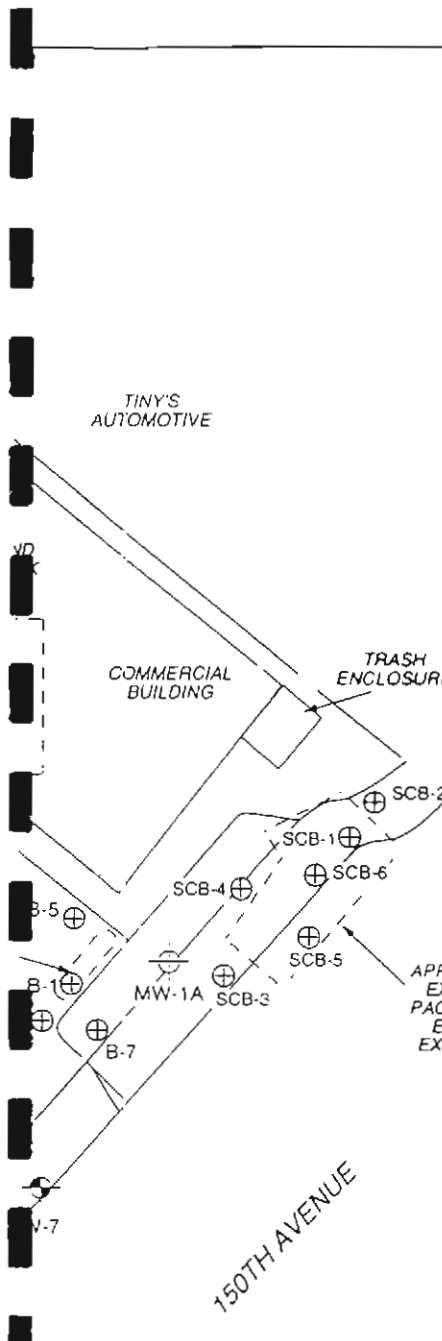
LEGEND

MW-7A  Groundwater monitoring well (Mobil)

MW-7  Groundwater monitoring well (Unocal)

B-4  Soil boring





MW-5A

TINY'S
AUTOMOTIVE

COMMERCIAL
BUILDING

TRASH
ENCLOSURE

150TH AVENUE

APPROXIMATE
EXTENT OF
PACIFIC GAS &
ELECTRIC
EXCAVATION

**SITE DETAIL SHOWING EXCAVATION AND
SOIL SAMPLE LOCATIONS**

Former Mobil Station 04-FGN
14994 East 14th Street
San Leandro, California

FIGURE 3

M 28.19



COMMERCIAL BUILDING

TINY'S AUTOMOTIVE

FORMER BUILDING

MW-5A
27.72

MW-4A
27.97

MW-3A
27.88

FORMER MOBIL STATION

MW-1A
27.83

MW-6
27.66

MW-7A
27.74

MW-2A
27.77

MW-7
27.64

MW-3
27.58

27.50

UNOCAL STATION

MW-4
27.19

WASTE OIL TANK

QUALITY TUNE-UP

27.50

MW-2
27.48

MW-1
27.49

MW-5
27.23

FORMER PHILLIPS STATION

EAST 14TH STREET

150TH AVENUE

MW-9
27.09

27.00

MW-8
27.09

27.00

MW-10
26.75

PARKING

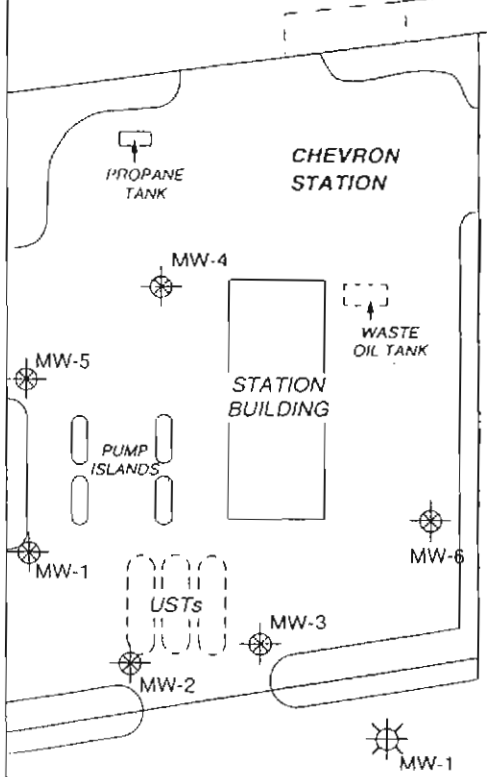
PRINGS RESTAURANT



RD

1

HESPERIAN BOULEVARD



MW-3
26.71

MW-11
26.65

SHADRALL ASSOCIATES
PROPERTY
(FORMER LIQUOR BARN
PARKING LOT)

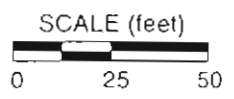
MW-2
26.01

LEGEND

MW-7A	Groundwater monitoring well (Mobil)	27.74	Groundwater elevation in feet above mean sea level (NGVD-1929)
MW-11	Groundwater monitoring well (Unocal)	—	Groundwater elevation contour line
MW-5	Groundwater monitoring well (Chevron)	➔	General direction of groundwater gradient
MW-1	Groundwater monitoring well (Shadrall Property)		

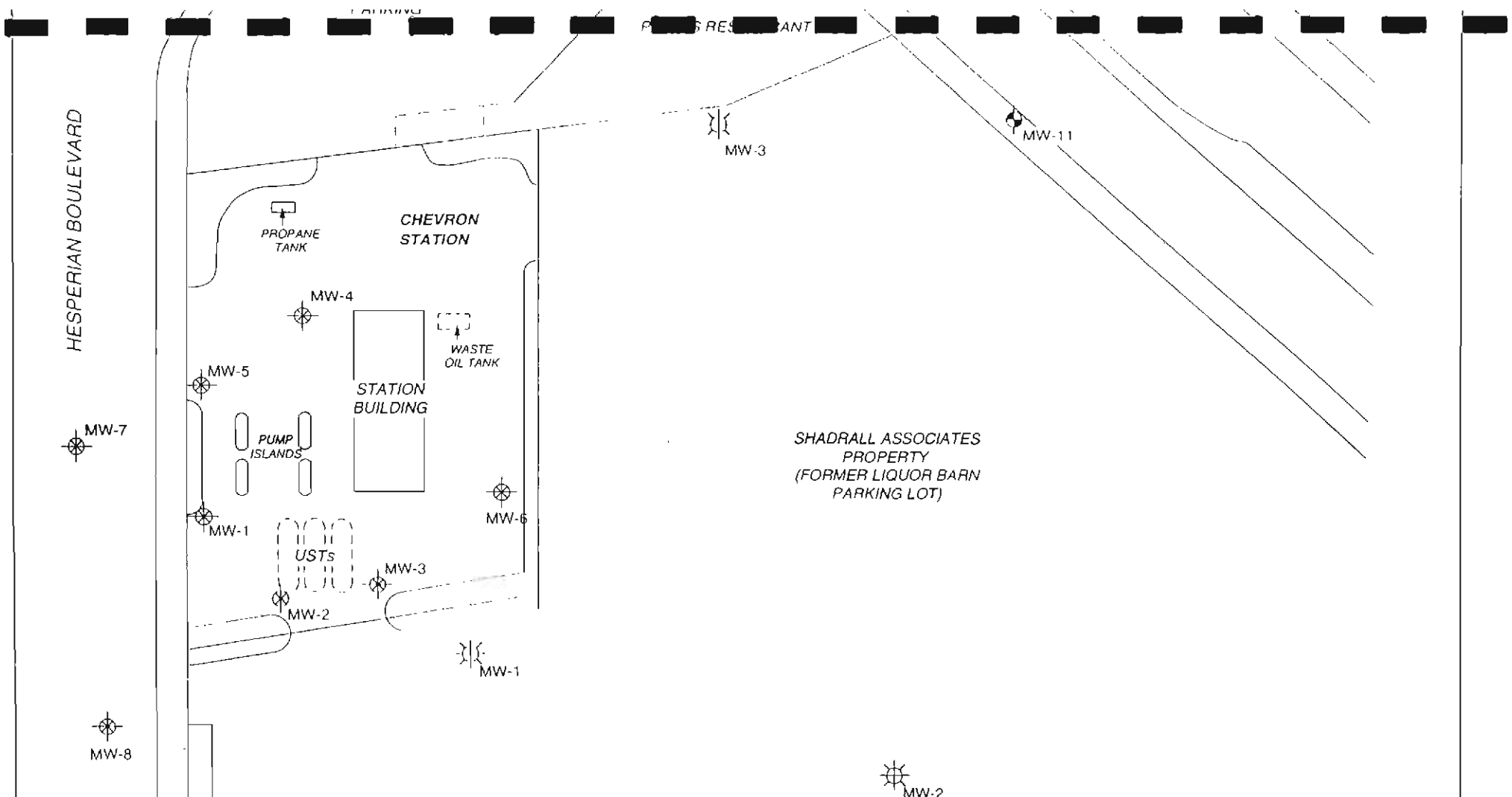
GROUNDWATER ELEVATION CONTOUR MAP
August 12, 1998

Former Mobil Station 04-FGN
14994 East 14th Street
San Leandro, California



NOTES:
Contour lines are interpretive based on fluid-level measurements taken on August 12, 1998. Contour interval = 0.5 foot.

FIGURE 4



LEGEND

- | | | | |
|-------|---|----|---|
| MW-7A | Groundwater monitoring well (Mobil) | 41 | Dissolved-phase benzene concentration (ppb) |
| MW-11 | Groundwater monitoring well (Unocal) | — | Benzene isoconcentration line |
| MW-5 | Groundwater monitoring well (Chevron) | | |
| MW-1 | Groundwater monitoring well (Shadrall Property) | | |

DISSOLVED-PHASE BENZENE CONCENTRATIONS
August 12, 1998

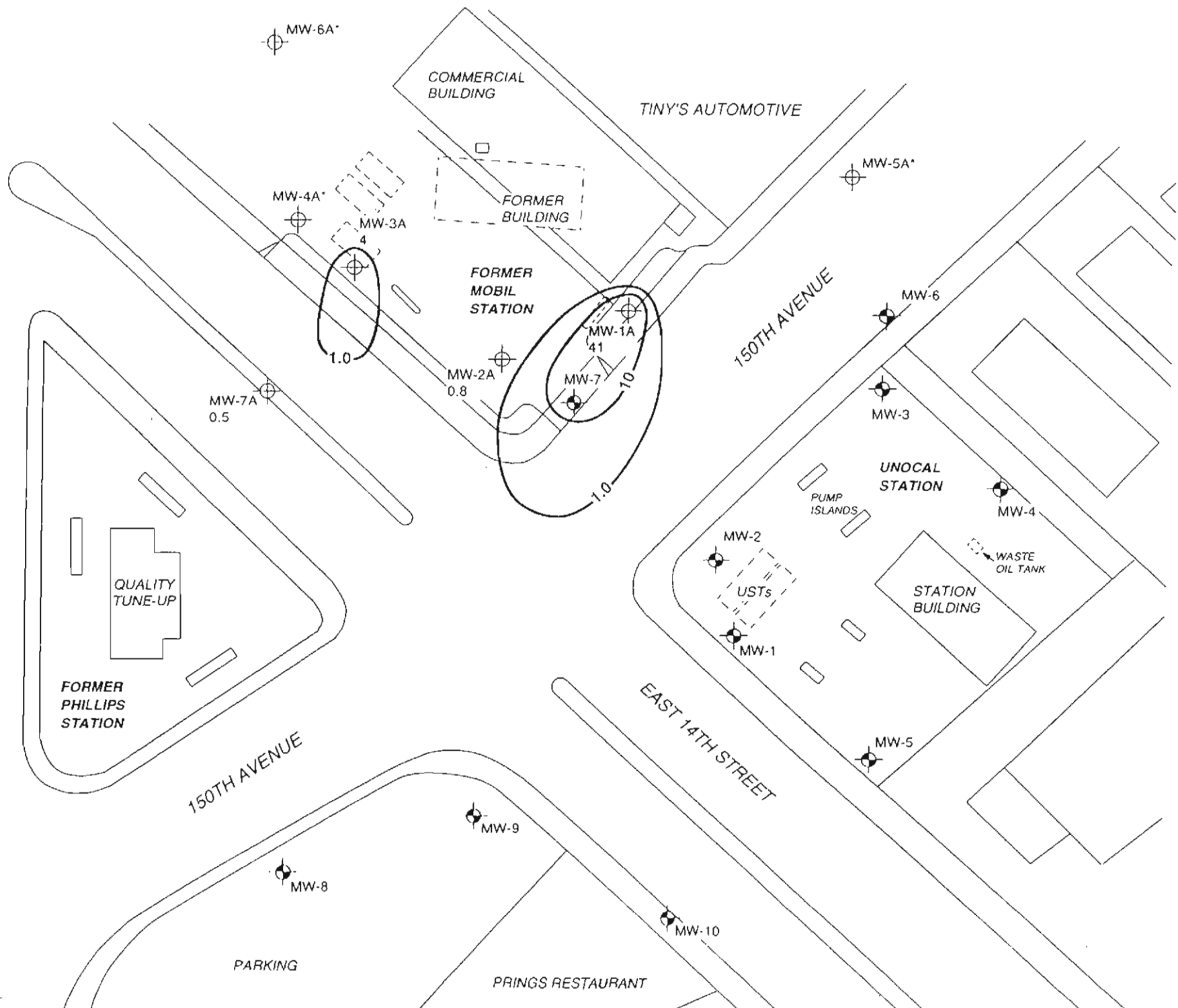
Former Mobil Station 04-FGN
14994 East 14th Street
San Leandro, California



NOTES:
Results are based on laboratory analysis of groundwater samples collected on August 12, 1998. ppb = parts per billion; * = well not

FIGURE 5

5



MW-6A*

COMMERCIAL BUILDING

TINY'S AUTOMOTIVE

MW-4A*

MW-3A

FORMER BUILDING

MW-5A*

FORMER MOBIL STATION

150TH AVENUE

MW-6

MW-7A
0.5

MW-2A
0.8

MW-1A
41

MW-7

MW-3

UNOCAL STATION

MW-4

QUALITY TUNE-UP

PUMP ISLANDS

STATION BUILDING

WASTE OIL TANK

MW-2

USTs

MW-1

FORMER PHILLIPS STATION

EAST 14TH STREET

MW-5

150TH AVENUE

MW-9

MW-8

MW-10

PARKING

PRINGS RESTAURANT

Table 1
Summary of Soil Sample Analysis*
Former Mobil Station 04-FGN

Boring ID	Date	Sample Depth (feet)	TPH-G (ppm)	TPH-D (ppm)	TOG (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	PCE (ppm)	TCE (ppm)	Trans-1,2-DCE (ppm)
SCB-1	09/29/87	4.0	72	200	—	—	—	—	200	—	—	—
SCB-1	09/29/87	8.6	ND<10	ND<50	—	—	—	—	ND<50	—	—	—
SCB-2	09/29/87	2.6	ND<10	ND<50	—	—	—	—	ND<50	—	—	—
SCB-2	09/29/87	7.1	ND<10	ND<50	—	—	—	—	ND<50	—	—	—
SCB-3	09/29/87	5.0	ND<10	ND<50	—	—	—	—	ND<50	—	—	—
SCB-3	09/29/87	8.5	320	ND<50	—	—	—	—	ND<50	—	—	—
SCB-4	09/29/87	4.5	ND<10	ND<50	—	—	—	—	ND<50	—	—	—
SCB-4	09/29/87	10.5	ND<10	ND<50	—	—	—	—	ND<50	—	—	—
SCB-5	09/29/87	4.0	ND<10	ND<50	—	—	—	—	ND<50	—	—	—
SCB-5	09/29/87	8.0	ND<10	ND<50	—	—	—	—	ND<50	—	—	—
SCB-6	09/29/87	5.0	ND<10	ND<50	—	6.6	15.0	8.0	ND<50	6.6	15.0	8.0
SCB-6	09/29/87	9.1	ND<10	ND<50	—	—	—	—	ND<50	—	—	—
B-1	02/10/94	6.5	1,500	160	160	ND<0.005	2.9	18	85	—	—	—
B-1	02/10/94	11.5	580	120	ND<30	1.2	1.1	5.5	18	—	—	—
B-2	02/10/94	7.5	1.4	1.6	ND<30	ND<0.005	0.0065	ND<0.005	ND<0.005	—	—	—
B-2	02/10/94	11.5	49	12	ND<30	0.094	ND<0.005	0.18	0.33	—	—	—
B-3	02/10/94	6.5	10	2.4	100	ND<0.005	0.028	0.027	0.049	—	—	—
B-3	02/10/94	11.5	190	31	ND<30	0.70	0.11	2.5	0.52	—	—	—
B-4	02/10/94	6.5	4,100	650	130	ND<0.005	15	57	390	—	—	—
B-4	02/10/94	11.5	460	62	ND<30	ND<0.005	1.0	4.7	23	—	—	—
B-5	06/01/95	6.5	2.5	ND<1.0	—	ND<0.0050	ND<0.0050	0.0076	0.17	—	—	—
B-5	06/01/95	11.5	8.6	2.1	—	0.025	0.025	0.020	0.11	—	—	—
B-6	06/01/95	6.5	3.3	4.3	—	ND<0.0050	ND<0.0050	0.068	0.16	—	—	—
B-6	06/01/95	11.5	44	2.7	—	0.053	0.078	1.4	5.3	—	—	—

Summary of Soil Sample Analysis*

Former Mobil Station 04-FGN

Boring ID	Date	Sample Depth (feet)	TPH-G (ppm)	TPH-D (ppm)	TOG (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	PCE (ppm)	TCE (ppm)	Trans-1,2-DCE (ppm)
B-7	06/01/95	6.5	ND<1.0	ND<1.0	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
B-7	06/01/95	11.5	130	81	—	0.28	0.31	0.92	1.2	—	—	—
B-8	06/01/95	6.5	ND<1.0	ND<1.0	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
B-8	06/01/95	11.5	ND<1.0	ND<1.0	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
B-9	06/01/95	6.5	ND<1.0	1.4	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
B-9	06/01/95	11.5	2.5	1.7	—	ND<0.0050	0.0053	0.0059	0.0052	—	—	—
MW-4A	06/01/95	6.5	ND<1.0	2.2	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
MW-4A	06/01/95	11.5	ND<1.0	ND<1.0	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
MW-5A	06/01/95	6.5	ND<1.0	1.6	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
MW-5A	06/01/95	11.5	ND<1.0	ND<1.0	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
MW-6A	06/02/95	6.5	ND<1.0	ND<1.0	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
MW-6A	06/02/95	11.5	ND<1.0	ND<1.0	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
MW-7A	07/21/95	6.5	ND<1.0	—	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—
MW-7A	07/21/95	11.5	ND<1.0	—	—	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	—	—	—

NOTES:

* = Source: Alisto Engineering Group; SCB borings drilled by Subsurface Consultants, Inc.

TPH-G = total petroleum hydrocarbons as gasoline

TPH-D = total petroleum hydrocarbons as diesel

TOG = total oil and grease

PCE = tetrachloroethylene

TCE = trichloroethylene

Trans-1,2-

DCE = trans-1,2-dichloroethylene

ppm = parts per million

ND = not detected at or above method detection limit

— = not analyzed / not applicable

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May 25, 2004
Project No. SJ14-880-1.2004

Mr. Karl Busche
City of San Leandro
Environmental Protection Specialist
835 East 14th Street
San Leandro, CA 94577

Re: **Quarterly Monitoring Report – Second Quarter 2004**
Former Shell-branded Service Station
14880 East 14th Street
San Leandro, California

Dear Mr. Busche:

Delta Environmental Consultants, Inc. (Delta), on behalf of Shell Oil Products US (Shell), has prepared the following second quarter 2004 groundwater monitoring and sampling report for the above referenced site. A site location map is included as Figure 1.

QUARTERLY GROUND WATER MONITORING PROGRAM

Groundwater monitoring wells were gauged and sampled by Blaine Tech Services (Blaine), at the direction of Delta, on April 16, 2004. Depth to groundwater was measured in Wells MW-1 through MW-4. Groundwater elevation data and contours are presented on Figure 2.

Groundwater samples were collected from Wells MW-1 through MW-4. Samples were submitted by Blaine to Severn Trent Laboratories, Inc. (STL) in Pleasanton, California for analysis for total purgeable petroleum hydrocarbons as gasoline (TPH-G); benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds); and the fuel oxygenate MTBE using EPA Method 8260B. Benzene and MTBE concentrations in groundwater are presented on Figure 3.

Blaine's groundwater monitoring and sampling report, which includes historical and current groundwater elevation data, historical and current analytical results, and field data records for the current monitoring event, is included as Attachment A.

DISCUSSION

The groundwater gradient on April 16, 2004 was toward the south-southeast at a magnitude of 0.002 feet/feet. The initial site data indicated a groundwater gradient toward the southwest at a magnitude of 0.005 feet/feet.

MTBE was detected for the first time in Well MW-2 at 0.61 micrograms per liter (ug/l). TPH-G was detected in Wells MW-2 and MW-3 at 200 ug/l and 630 ug/l. The hydrocarbons reported in the gasoline range do not match the laboratory's gasoline standard.

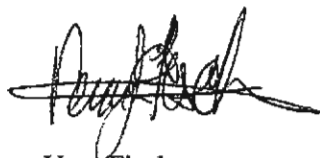
Delta intends to modify the monitoring program as follows: add total extractable petroleum hydrocarbons and diesel (TPH-D) to the list of parameters. TPH-D was detected during site assessment activities. Silica gel clean up will be performed if TPH-G and TPH-D are detected.

REMARKS

The information contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

Please call if you have any questions regarding the contents of this letter.

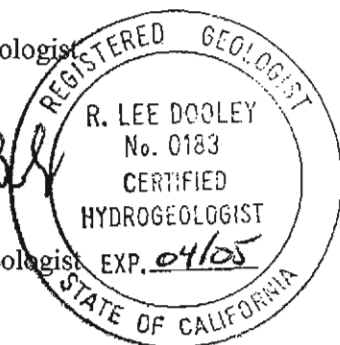
Sincerely,
Delta Environmental Consultants, Inc.

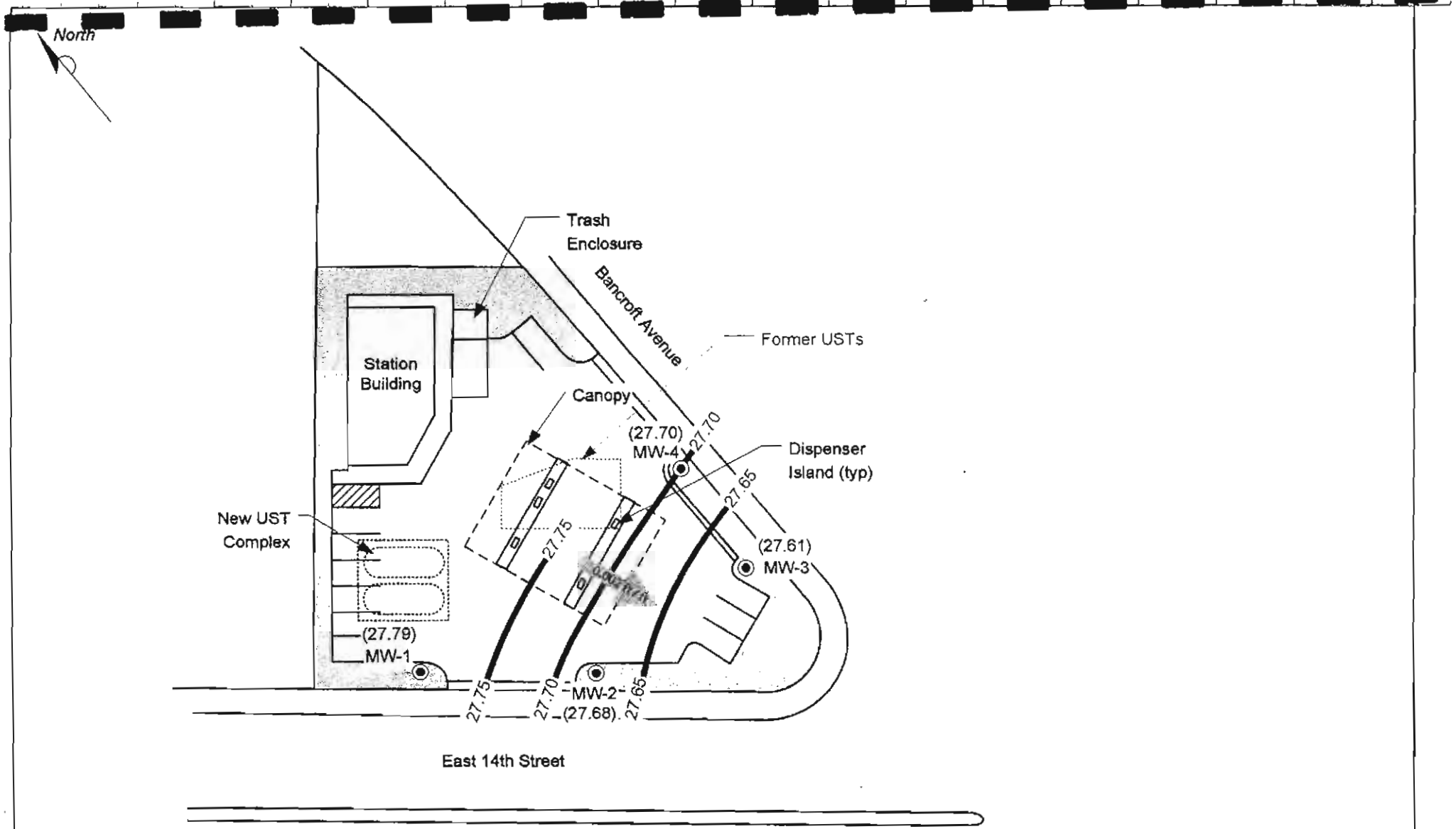


Vera Fischer
Senior Staff Geologist



R. Lee Dooley
Senior Hydrogeologist
CHG 183





LEGEND

- MW-4 ● **GROUNDWATER MONITORING WELL**
- (27.41) **GROUNDWATER ELEVATION (FEET-MSL), 4/16/04**
- 27.50 — **GROUNDWATER ELEVATION CONTOUR**
- ← **APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT**

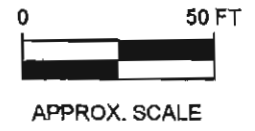
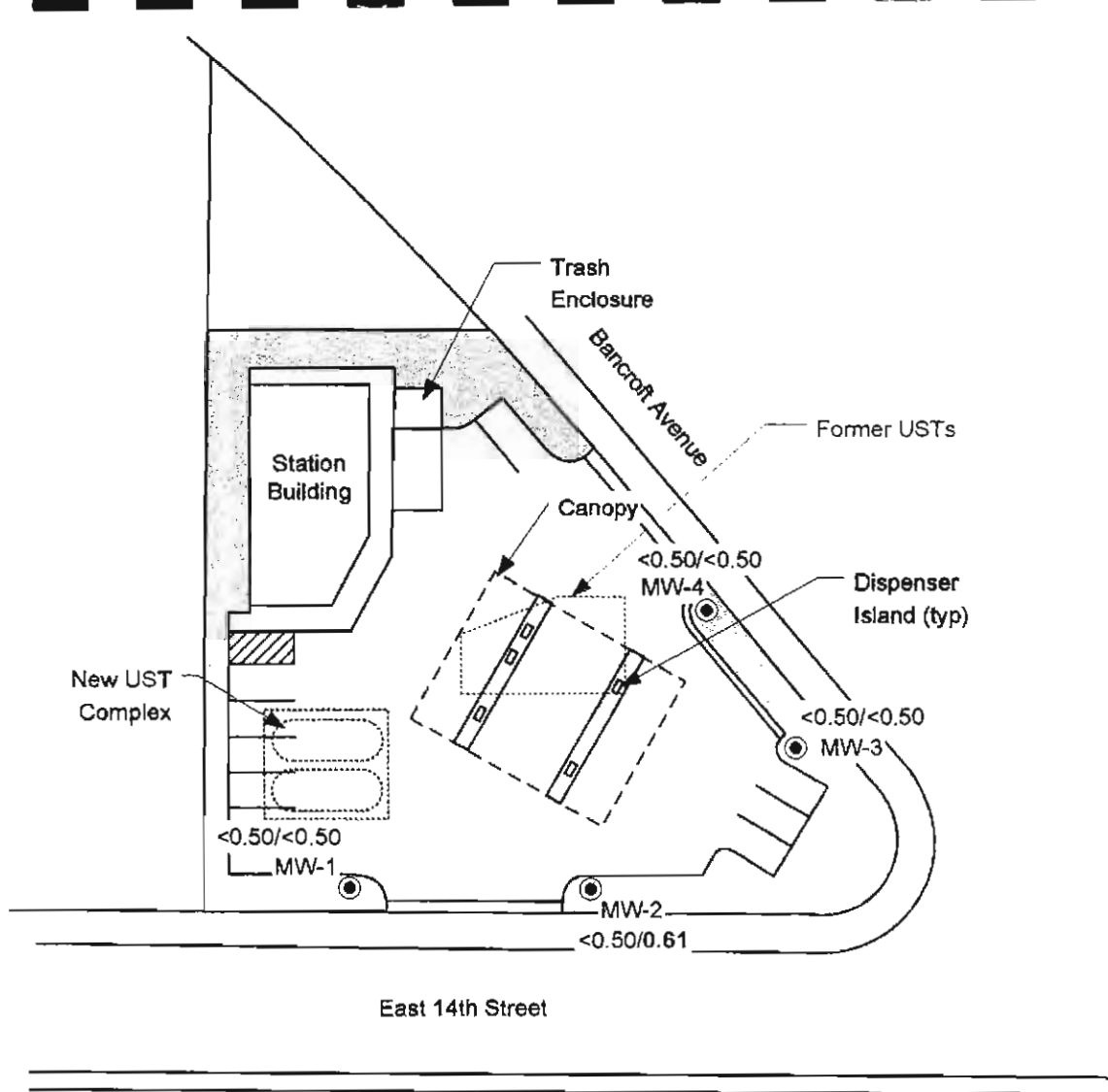


FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP,
APRIL 16, 2004
FORMER SHELL-BRANDED SERVICE STATION
14880 East 14th Street
San Leandro, California

PROJECT NO. SJ14-880-1.2004	DRAWN BY VF 1-14-03
FILE NO. SJ14-880-1.2004	PREPARED BY VF
REVISION NO.	REVIEWED BY

Delta
Environmental
Consultants, Inc.



LEGEND

MW-4 ● **GROUNDWATER MONITORING WELL**

<math><0.50/<0.61</math> **BENZENE/MTBE CONCENTRATIONS (UG/L), 4/16/04**

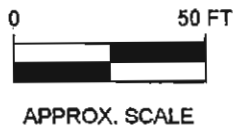


FIGURE 3
BENZENE AND MTBE CONCENTRATION MAP, APRIL 16, 2004

FORMER SHELL-BRANDED SERVICE STATION
 14880 East 14th Street
 San Leandro, California

PROJECT NO. SJ14-880-1.2004	DRAWN BY VF 1-14-03
FILE NO. SJ14-880-1.2004	PREPARED BY VF
REVISION NO.	REVIEWED BY



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(408) 573-0555 PHONE
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May 20, 2004

Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

Second Quarter 2004 Groundwater Monitoring at
Former Shell Service Station
14880 East 14th Street
San Leandro, CA

Monitoring performed on April 16, 2004

Groundwater Monitoring Report **040416-AC-2**

This report covers the routine monitoring of groundwater wells at this former Shell facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/ks

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Vera Fischer
Delta Environmental
175 Bernal Road, Suite 200
San Jose, CA 95119

WELL CONCENTRATIONS
Former Shell Service Station
14880 East 14th Street
San Leandro, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	01/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.22	11.91	27.31
MW-1	02/03/2004	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	39.22	11.81	27.41
MW-1	04/16/2004	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	39.22	11.43	27.79
MW-2	01/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.02	11.75	27.27
MW-2	02/03/2004	1,900 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	39.02	11.88	27.34
MW-2	04/16/2004	200 a	<0.50	<0.50	<0.50	<1.0	0.61	NA	NA	NA	NA	39.02	11.34	27.68
MW-3	01/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.04	11.81	27.23
MW-3	02/03/2004	4,700 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	39.04	11.50	27.54
MW-3	04/16/2004	630 a	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	39.04	11.43	27.61
MW-4	01/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.77	11.43	27.34
MW-4	02/03/2004	1,000 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	38.77	11.13	27.64
MW-4	04/16/2004	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	38.77	11.07	27.70

WELL CONCENTRATIONS
Former Shell Service Station
14880 East 14th Street
San Leandro, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.

MTBE = Methyl-tertiary-butyl ether

DIPE = Diisopropyl ether

ETBE = Ethyl-t-butyl ether

TAME = Tert-amyl methyl ether

TBA = Tert-Butanol

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft = Feet

<n = Below detection limit

NA = Not applicable

Notes:

a = Hydrocarbon does not match pattern of laboratory's standard.

Site surveyed February 1, 2004, by Mid Coast Engineers.



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March 9, 2004
Project SJ14-880-1.2004

Mr. Karl Busche
City of San Leandro
Environmental Protection Specialist
835 East 14th Street
San Leandro, CA 94577

**Re: Site Assessment Report
Former Shell Service Station
14880 East 14th Street
San Leandro, California**

Dear Mr. Busche:

Delta Environmental Consultants, Inc. (Delta), on behalf of Shell Oil Products US (Shell), presents the results of a soil and groundwater investigation performed at the site referenced above (Figure 1). In a letter to Shell and B&A Associates dated July 17, 2001, the City of San Leandro required that Shell submit a work plan to determine the lateral and vertical extent of soil and groundwater contamination associated with the release of petroleum hydrocarbons at the site. The work plan, prepared by Delta and dated July 11, 2003, was approved by the City of San Leandro on September 8, 2003.

BACKGROUND

The subject property was the site of a former Shell-branded service station located on the northwest corner of East 14th Street and Bancroft Avenue in San Leandro, California (Figure 1). In November 1981, the station was closed and the fuel underground storage tanks (USTs) and fuel dispensers were removed. In December 1981, B & A Associates purchased the subject property from Shell. As of May 2001, the property was occupied by A1 Auto Care Service, an automobile service and truck rental business. B&A Associates and the Nella Oil Company (Nella) have redeveloped the property as a new Flyers-branded service station.

In May 2001, the Clearwater Group, Inc. (Clearwater), on behalf of Nella, performed a soil and groundwater investigation at the subject site. The purpose of the investigation was to determine site conditions prior to redevelopment of the site as a new service station. On April 9 and 10, 2001, Clearwater

A member of:



collected soil and groundwater samples at eighteen site locations using GeoProbe™ sampling equipment. Petroleum hydrocarbons were detected in soil samples collected in the area of the former USTs. Residual hydraulic oil was detected in soil samples in the area of hydraulic lifts. Petroleum hydrocarbons were detected in groundwater samples from the central and eastern portion of the site. The highest concentrations of total petroleum hydrocarbons as gasoline (TPH-G) were detected in groundwater immediately southeast of the former USTs. The maximum concentration of TPH-G detected in groundwater was 460,000 micrograms per liter (ug/l). The maximum concentration of methyl tert-butyl ether (MTBE) detected by EPA method 8260 was 6.0 micrograms per liter (ug/l).

SITE REMEDIATION ACTIVITIES

In May and April 2003 during site redevelopment, approximately 500 cubic yards of soil was excavated from the former tank pit area (figure 2) and approximately 75 yards of soil was excavated from beneath and around the location of the former hydraulic hoists.

SITE SETTING

The site is located on the eastern slope of the San Francisco Bay plain at an elevation of approximately 40 feet above mean sea level. The site slopes gently to the southwest. According to the Division of Mines Geologic Map of California, Santa Cruz Sheet, the site is underlain by Quaternary alluvium deposits. Soil borings by Clearwater encountered clay and silty clay to their total depth of 24 feet below grade (bg). At the time of the Clearwater investigation (April 2001), depth to groundwater ranged from approximately 15 ½ feet to 19 ½ feet bg. Depth to groundwater during recent excavations (April, May, and June 2003) ranged from approximately 9 to 11 feet bg. Groundwater flow direction was assumed to be to the southwest based on the local topographic slope.

MONITORING WELL INSTALLATION

On January 19, 2004, Delta directed the installation of four groundwater monitoring wells, at the locations shown on Figure 2. The wells were installed under permit from the Alameda County Public Works Agency (ACPWA). Copies of the well permits are provided as Attachment A.

The wells were installed using 8-inch hollow-stem-augers, and a CME 85 Drill Rig, provided and operated by BC² Environmental Corporation (BC²) (License C57-686255). Air vacuum equipment, operated by Gregg Drilling and Testing (Gregg) (License C57-485165) was used to clear the upper 7 feet of each boring location on November 11, 2003, to minimize the risk of damaging underground utilities. On January 19, 2004, BC² again excavated the upper 7 feet of each boring prior to drilling using a hand auger to minimize the risk of damaging underground utilities.

Groundwater was encountered in borings at a depth of approximately 15 feet below grade (bg). The total depth of each well boring was 23.5 feet bg. Soil samples were collected at 5-foot intervals between 10 feet and 23 feet bg. Samples were collected with a split spoon sampler fitted with three, 6-inch steel rings. Samples were analyzed in the field by a photo-ionization detector (PID) to measure petroleum hydrocarbon concentrations in the soil. PID readings are recorded on the field logs. Discrete soil samples every 5-feet were retained for analysis by capping the steel rings with Teflon sheets and tight fitting plastic end caps. Samples were then placed on ice for transport to a testing laboratory.

The four site borings were converted to 2-inch diameter, schedule 40 polyvinylchloride (PVC) monitoring wells. Wells were constructed to a depth of 23 feet bg. The wells were screened with a 0.020-inch manufactured well screen between 8 feet and 23 feet bg. A 2/12 sand pack was installed from the bottom of the boring to approximately 2 feet above the top of screen. Two feet of bentonite was then placed above the sand pack, and a cement grout seal was then placed to approximately 1 foot bg. A traffic-rated vault box was constructed flush to the ground surface over each well.

SUBSURFACE CONDITIONS

A Delta field geologist examined the soil samples from the boring for each well. Soils were classified based on the Unified Soil Classification System using the American Society for Testing and Material (ASTM) method D-2487 published in May 2000. Soils encountered during drilling consisted primarily of clays with occasional clayey sands to the maximum depths explored. Boring logs are presented in Attachment B.

WELL DEVELOPMENT AND SURVEYING

Wells were developed by Blaine Tech Services (Blaine) on January 30, 2004 utilizing a surge and pump method. Well development field data sheets are included as Attachment C. On February 6, 2004, Mid Coast Engineers surveyed the latitude, longitude, and elevation of the four monitoring wells using GPS equipment. Monitoring well location and elevation survey results are included as Attachment D. On February 3, 2004, site wells were gauged and sampled by Blaine. Depth to water in the wells ranged from 11.13 feet bg to 11.81 feet below top of casing. The groundwater flow direction on February 3, 2004 was toward the southwest at a magnitude of 0.005 ft/ft. A groundwater elevation contour map is presented as Figure 3. Delta submitted the State of California Department of Water Resources (DWR) Well Completion Reports for the new wells. Copies of the Well Completion Reports are included as Attachment E.

SOIL AND GROUNDWATER SAMPLING & ANALYSES

Soil and groundwater samples were analyzed at Severn Trent Laboratories in Pleasanton, California. Soil samples were analyzed for the following parameters:

- Total petroleum hydrocarbons in the gasoline range (TPH-G) by EPA Method 8260B.
- Total petroleum hydrocarbons at diesel (TPH-D) by EPA Method 8015M.
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds) by EPA Method 8260B.
- The fuel oxygenate: Methyl tert-butyl ether (MTBE) by EPA Method 8260B.

Groundwater samples were analyzed for the following parameters:

- Total petroleum hydrocarbons in the gasoline range (TPH-G) by EPA Method 8260B.
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds) by EPA Method 8260B.

- 5 Oxygenates: (Methyl tert-butyl ether (MTBE), diisopropyl ether (DIPE), ethyl-t-butyl ether (ETBE), tert-amyl methyl ether (TAME), tert-butanol (TBA) by EPA Method 8260B.

ANALYTICAL RESULTS

SOIL

TPH-G was detected in the sample from Well MW-2 at 16-16.5-feet bg at a concentration of 1.3 milligrams per kilogram (mg/kg). The hydrocarbon reported as TPH-G does not match the laboratory's gasoline standard. TPH-D was detected in the soil samples from Well MW-3 at 16-16.5-feet bg, and from Well MW-4 at 16-16.5-feet bg and at 22.5-23-feet bg at concentrations of 1.4 mg/kg, 1.0 mg/kg, and 1.2 mg/kg, respectively. The hydrocarbon reported as TPH-D does not match the laboratory's standard chromatographic pattern for diesel. All other analytes were below laboratory detection limits.

Soil analytical results are summarized on Table 1. A copy of the laboratory certified analytical laboratory report and chain-of-custody is included as Attachment F.

GROUNDWATER

TPH-G was detected in Wells MW-2 through MW-4 at concentrations ranging from 1,000 micrograms per liter (ug/l) to 4,700 ug/l. The hydrocarbon report in the gasoline range does not match the laboratory's gasoline standard. All other analytes were below laboratory detection limits.

Groundwater analytical results are summarized in Table 2. TPH-G, benzene, and MTBE concentrations in groundwater are presented in Figure 4.

Blaine's groundwater monitoring and sampling report, which includes groundwater elevation and analytical results, field data sheets, and the certified analytical report, is included as Attachment G.

SUMMARY AND CONCLUSIONS

The following is a summary of the results of the soil and water investigation:

- The site is underlain by primarily clay deposits to a depth of at least 23 feet bg.
- Depth to groundwater beneath the site is approximately 11.5 feet bg.
- TPH-G and TPH-D were the only analytes detected in soil and groundwater samples. The hydrocarbons reported as TPH-G and TPH-D did not match the laboratory's gasoline and diesel standards.
- MTBE, which was detected in the site investigation performed by the Clear Water Group, was not detected in site wells.
- Initial groundwater elevation data indicates a southwesterly flow direction.

Conclusions:

- Petroleum hydrocarbons appear to be confined to the site.

RECOMMENDATIONS

Delta recommends:

- Quarterly monitoring of site wells for the following parameters: TPH-G, TPH-D, BTEX compounds, and MTBE.
- Silica gel clean-up of TPH-G and TPH-D samples if analyte is detected.

REMARKS

The recommendations and conclusions contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

If you have any questions or comments regarding this report, please contact us at (408) 224-4724.

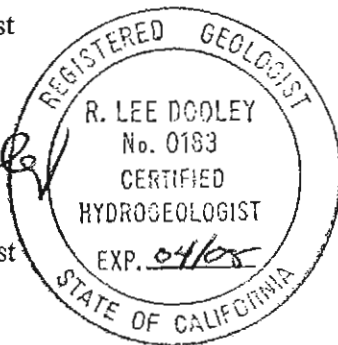
Sincerely,
DELTA Environmental Consultants, Inc.

Rebecca Wolff

For Vera Fischer
Senior Staff Geologist

R Lee Dooley

R. Lee Dooley
Senior Hydrogeologist
CHG 183



March 9, 2004

Page 6

Tables:

Table 1 – Summary of Soil Analytical Data: TPH-G, TPH-D, BTEX Compounds, and MTBE

Table 2 – Summary of Groundwater Analytical Data: TPH-G, BTEX Compounds, and Fuel Oxygenates

Figures:

Figure 1 – Site Location Map

Figure 2 – Site Map

Figure 3 – Groundwater Elevation Contour Map

Figure 4 – TPH-G, Benzene, and MTBE Concentrations in Groundwater

Attachments:

Attachment A – Well Construction Permits

Attachment B – Boring Logs

Attachment C – Well Development Field Data Sheets

Attachment D – Site Well Location and Elevation Survey Report

Attachment E – State of California Well Completion Reports

Attachment F – Laboratory Certified Analytical Report and Chain-of-Custody Documentation - Soil

Attachment G – Laboratory Certified Analytical Report and Chain-of-Custody Documentation -
Groundwater

cc: Karen Petryna, Shell Oil Products US, Carson

Jack Rhoades, Nella Oil Company, Auburn

B & A Associates, c/o Mr. Aldo P. Guidotti, Guidotti and Lee, Attorneys at Law, Orinda

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA:
TPH-G, BTEX Compounds, and MTBE
 14880 East 14th Street
 San Leandro, California

Sample I.D.	Sample Collection Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-1 @ 11'-11.5'	1/19/2004	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-1 @ 16'-16.5'	1/19/2004	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-1 @ 21'-21.5'	1/19/2004	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-2 @ 11'-11.5'	1/19/2004	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-2 @ 16'-16.5'	1/19/2004	1.3^a	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-2 @ 21'-21.5'	1/19/2004	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-3 @ 11'-11.5'	1/19/2004	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-3 @ 16'-16.5'	1/19/2004	<1.0	1.4*	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-3 @ 22.5'-23'	1/19/2004	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-4 @ 11'-11.5'	1/19/2004	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-4 @ 16'-16.5'	1/19/2004	<1.0	1.0*	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-4 @ 22.5'-23'	1/19/2004	<1.0	1.2*	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Notes:
 All data reported in milligrams per kilogram (mg/kg)
 TPH-G = Total Petroleum Hydrocarbons as gasoline
 TPH-D = Total Petroleum Hydrocarbons as diesel
 MTBE = Methyl tert-butyl ether
 <n = Below the detection limit
 * - Hydrocarbons reported as TPH-D do not match the laboratory's Diesel standard
 a = Hydrocarbon reported as TPH-G does not match the laboratory's Gasoline standard.
 TPH-G, BTEX Compounds, and MTBE analyzed using EPA Method 8260B
 TPH-D analyzed using EPA Method 8015M

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
TPH-G, BTEX Compounds, and Fuel Oxygenates
14880 East 14th Street
San Leandro, California

Sample I.D.	Sample Collection Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	DIPE	ETBE	TAME	TBA
MW-1	2/3/2004	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0
MW-2	2/3/2004	1900*	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0
MW-3	2/3/2004	4700*	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0
MW-4	2/3/2004	1000*	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0

Notes:

All data reported in micrograms per liter (ug/l)

TPH-G = Total Petroleum Hydrocarbons as gasoline

MTBE = Methyl tert-butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = Tert-amyl methyl ether

TBA = Tert-Butanol

<n = Below the detection limit

* = Hydrocarbon reported in the gasoline range does not match the laboratory's gasoline standard.

TPH-G, BTEX Compounds, MTBE, DIPE, ETBE, TAME, and TBA analyzed using EPA Method 8260B

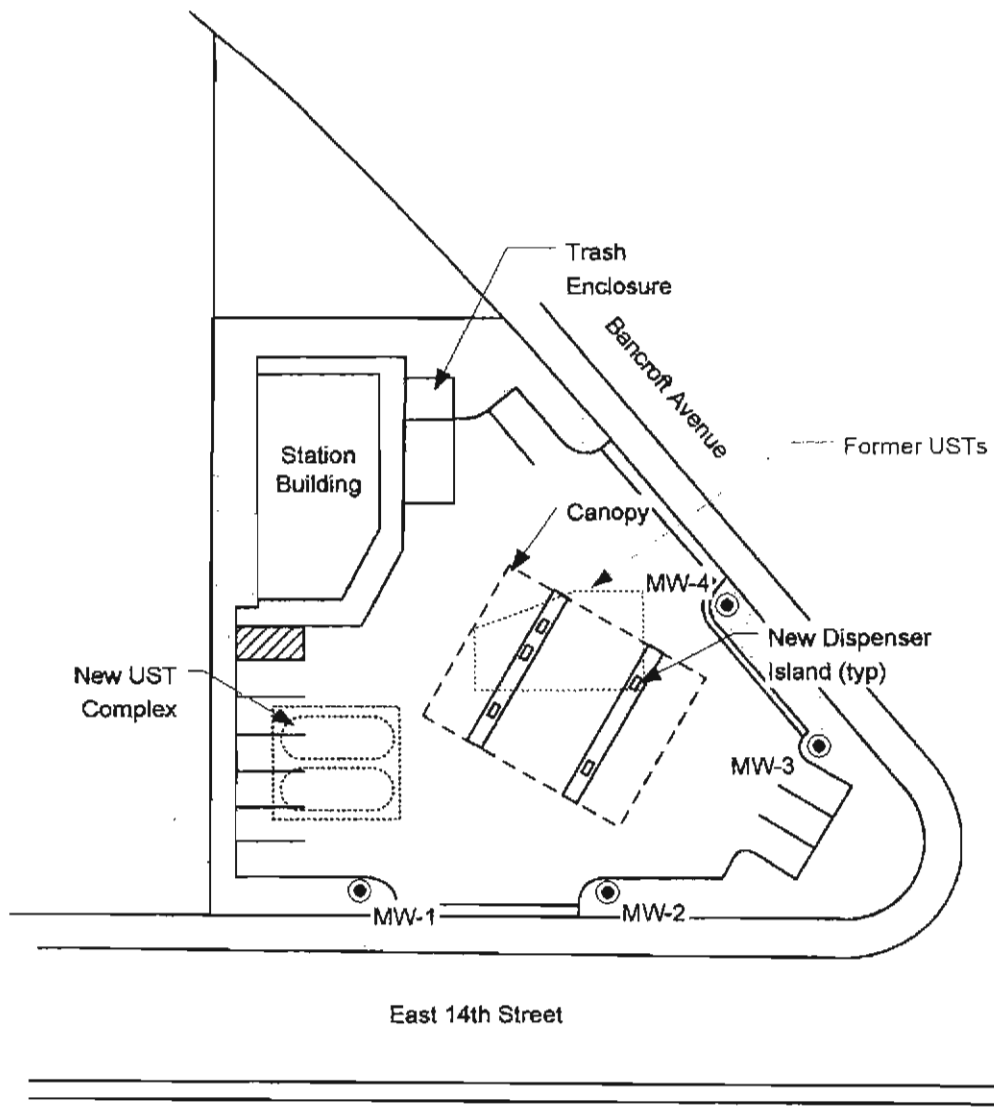
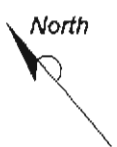


FIGURE 2
 SITE MAP
 FORMER SHELL-BRANDED SERVICE STATION
 14880 East 14th Street
 San Leandro, California

PROJECT NO. SJ14-880-1.2004	DRAWN BY VF 1-14-03
FILE NO. SJ14-880-1.2004	PREPARED BY VF
REVISION	DATE

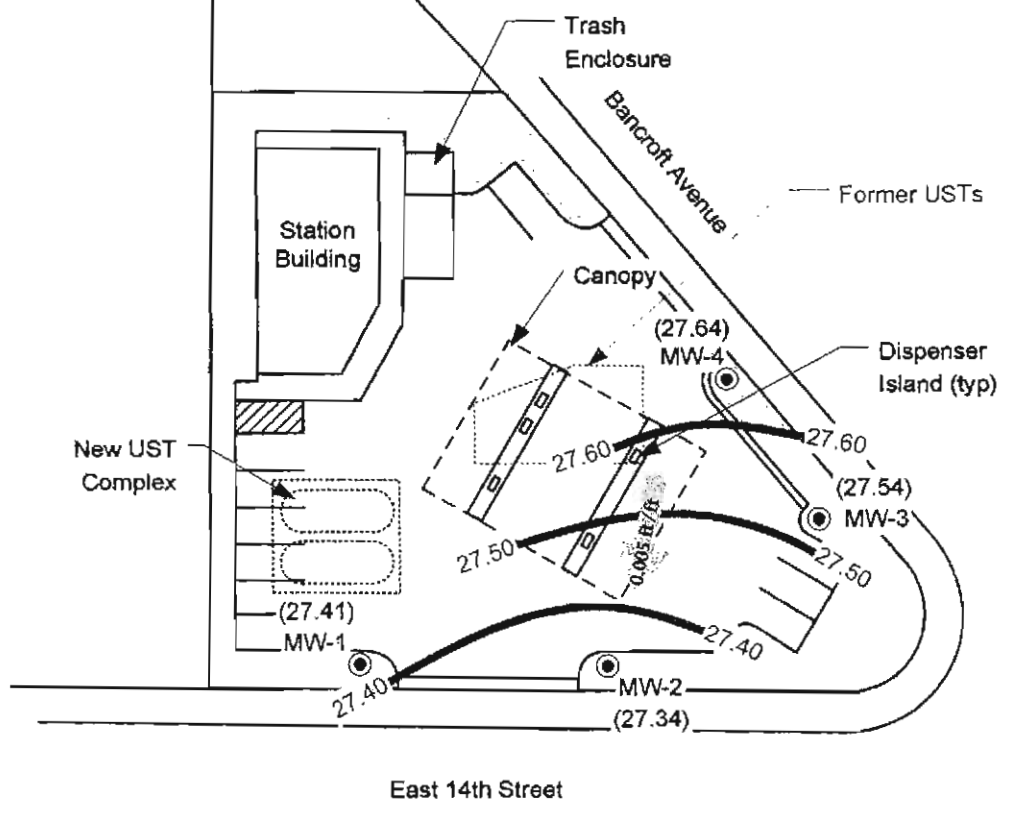


LEGEND

MW-4
GROUNDWATER



APPROX. SCALE



LEGEND

- MW-4 ● **GROUNDWATER MONITORING WELL**
- (27.41) **GROUNDWATER ELEVATION (FEET-MSL), 2/3/04**
- 27.50 — **GROUNDWATER ELEVATION CONTOUR**
- **APPROXIMATE GROUNDWATER FLOOR ELEVATION ON A GRAB**

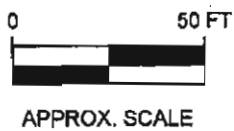


FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP,
FEBRUARY 3, 2003
FORMER SHELL-BRANDED SERVICE STATION
14880 East 14th Street
San Leandro, California

PROJECT NO. SJ14-880-1.2004	DRAWN BY VF 1-14-03
FILE NO. SJ14-880-1.2004	PREPARED BY VF
REVISION NO.	REVIEWED BY



**EXCAVATION AND SOIL SAMPLING REPORT
AND
WORK PLAN FOR SOIL AND GROUNDWATER
INVESTIGATION**

**FORMER SHELL-BRANDED SERVICE STATION
14880 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA**

Prepared for:

Shell Oil Products US

Prepared by:

**KHM Environmental Management /
Delta Environmental Consultants, Inc.
6284 San Ignacio Avenue, Suite E
San Jose, California 95119**

July 11, 2003

Project No. C85-14880 14th

KHM ENVIRONMENTAL MANAGEMENT, INC.

1.0 BACKGROUND

The following sections provide an overview of site history, a summary of a previous environmental site investigation, and a description of the hydrogeologic setting.

1.1 FORMER SERVICE STATION

The subject property was the site of a former Shell-branded service station located on the northwest corner of East 14th Street and Bancroft Avenue in San Leandro, California (Figure 1). In November 1981, the station was closed and the fuel underground storage tanks (USTs) and fuel dispensers were removed. In December 1981, B & A Associates purchased the subject property from Shell. As of May 2001, the property was occupied by A1 Auto Care Service, an automobile service and truck rental business. B&A Associates and the Nella Oil Company (Nella) are currently in the process of redeveloping the property as a new retail service station.

1.2 PREVIOUS SITE INVESTIGATION

In May 2001, the Clearwater Group, Inc. (Clearwater), on behalf of Nella, performed a soil and groundwater investigation at the subject site. The purpose of the investigation was to determine site conditions prior to redevelopment of the site as a new service station. Appendix A contains maps and tables from the Clearwater report dated May 8, 2001.

On April 9 and 10, 2001, Clearwater collected soil and groundwater samples at eighteen site locations using GeoProbeTM sampling equipment. Sampling locations (B-1 through B-18) are shown on maps in Appendix A. Petroleum hydrocarbons were detected in soil samples collected in the area of the former USTs. Residual hydraulic oil was detected in soil samples in the area of hydraulic lifts.

Petroleum hydrocarbons were detected in groundwater samples from the central and eastern portion of the site. The highest concentrations of total petroleum hydrocarbons as gasoline (TPH-G) were detected in groundwater immediately southeast of the former USTs. The maximum concentration of TPH-G detected in groundwater was 460,000 micrograms per liter (ug/l). The maximum concentration of methyl tert-butyl ether (MTBE) detected by EPA method 8260 was 6.0 micrograms per liter (ug/l). Groundwater analytical data is summarized in tables and figures contained in Appendix A.

1.3 HYDROGEOLOGIC SETTING

The site is located on the eastern slope of the San Francisco Bay at an elevation of approximately 40 feet above mean sea level. The site slopes gently to the southwest. According to the Division of Mines Geologic Map of California, Santa Cruz Sheet, the site is underlain by Quaternary alluvium deposits. Soil borings by Clearwater encountered clay

and silty clay to their total depth of 24 feet below grade (bg). At the time of the Clearwater investigation (April 2001), depth to groundwater ranged from approximately 15 ½ feet to 19 ½ feet bg. Depth to groundwater during recent excavations (April, May, and June 2003) ranged from approximately 9 to 11 feet bg. Groundwater flow direction is assumed to be to the southwest based on the local topographic slope.

2.0 SOIL AND GROUNDWATER SAMPLING AND ANALYSIS

KHM, on behalf of Shell, sampled soil and groundwater associated with site redevelopment activities by Nella and at the direction of Mr. Karle Busche of the City of San Leandro. Soil was sampled in the area of the former UST complex, fuel dispensers, hydraulic hoists, and product piping. Soil and groundwater in a newly excavated UST pit were also sampled. Soil sampling locations are shown on Figure 2 and 3.

2.1 BACKFILL REMOVAL - FORMER UST SAMPLING

As part of site development, Nella removed the backfill from the former UST pit and replaced it with compacted engineered material. On April 30, 2003, KHM collected eleven soil samples of the backfill that was originally placed in the former UST pit in 1981. Mr. Karl Busche, Environmental Protection Specialist for the City of San Leandro, was present during the sampling activities.

At the direction of Mr. Busche backfill was sampled at eight locations within the former UST pit (locations T-1 through T-8 on Figure 2). The eight sampling locations represented the ends of the four former USTs. Soil samples were collected utilizing the bucket of an excavator. Soil samples were collected within the vadose zone and at the groundwater table which was encountered at approximately 10 to 11 feet bg. Soil samples were collected by pushing a brass tube into the soil within the excavator bucket. The brass tube was then removed, sealed with Teflon sheeting and a tight fitting plastic cap, and clearly labeled. Samples were placed on ice for transportation to the laboratory.

The soil samples were analyzed for TPH-G, benzene, toluene, ethylbenzene, and xylene (BTEX compounds), and methyl tert-butyl ether (MTBE) by EPA Method 8260 and for total petroleum hydrocarbons as diesel (TPH-D) by EPA Method 8015M. Chain of custody documentation and certified laboratory analytical reports are included in Appendix B. Analytical results are summarized on Table 1.

TPH-D and TPH-G were the only analytes detected in the backfill samples. TPH-G concentrations ranged from 1.6 to 140 micrograms per kilogram (mg/kg). TPH-D concentrations ranged from 1.0 to 1,000 mg/kg. The laboratory noted that several TPH-G and all TPH-D detections did not match their respective typical chromatographic patterns. BTEX compounds and MTBE were not detected in any of the soil backfill samples collected from soil in the former UST pit.

2.1.1 SOIL EXCAVATION

On May 1, 2003, soil was excavated from the former UST pit, an area of approximately 32 feet long by 36 feet wide, and 11 feet deep (Figure 2). Approximately 500 cubic yards of petroleum hydrocarbon impacted soil were stockpiled on site prior to transportation off-

site for disposal. Two composite soil samples (T1-T5 composite and T5-T8 composite) were analyzed for CAM17 metals. Analytical results are contained in Appendix B.

2.1.2 DISPOSAL OF FORMER UST PIT BACKFILL

KHM, on behalf of Shell, arranged for disposal of approximately 500 cubic yards (657 tons) of petroleum hydrocarbon impacted soil. On May 8, 2003, Manley & Sons Trucking, Inc. (Manley) loaded and transported the stockpiled soil to Forward Landfill in Manteca, California for disposal.

2.2 REMOVAL OF HYDRAULIC HOISTS AND SOIL SAMPLING

On April 23, 2003, KHM witnessed the removal of three hydraulic hoists located in the former station building (Figure 2). On behalf of Nella, Fuller Excavating (Fuller) removed soil surrounding each hydraulic hoist to a depth of approximately 9 feet bg. KHM collected one soil sample from beneath each hoist (samples H1, H2, and H3) at a depth of 9 feet bg. Soil samples were collected utilizing the bucket of the excavator. A soil sample was collected by pushing a brass tube into the soil within the excavator bucket. The brass tube was then removed, sealed with Teflon sheeting and a tight fitting plastic cap, and clearly labeled. Samples were placed on ice for transportation to the laboratory.

The soil samples were analyzed for Total Oil and Grease (TOG) by EPA Method 1664. Chain of custody documentation and certified laboratory analytical reports are included as Appendix C. Analytical results are summarized on Table 1. TOG was detected in one soil sample collected from beneath the eastern hydraulic hoist (H-1) at 72 mg/kg.

Soil excavated from the three hydraulic hoist areas was placed in two separate stockpiles, differentiated by color and/or petroleum odors. One composite soil sample was collected from each stockpile (Composite 1[A-D] and Composite 2[A-D]) and submitted for laboratory analyses. TOG was detected in both stockpiles, at 60 mg/kg and 290 mg/kg, respectively (Table 2). MTBE, toluene, ethylbenzene, and xylenes were detected in Composite 1(A-D), at 0.11, 0.016, 0.069, and 0.32 mg/kg, respectively. BTEX compounds and MTBE were not detected in sample Composite 2(A-D). Lead was detected in Composite 1(A-D) and Composite 2(A-D), both at 14 mg/kg.

KHM arranged for transportation and disposal of the two soil stockpiles (approximately 75 cubic yards) at Forward Landfill in Manteca, California.

2.3 REMOVAL OF FORMER PRODUCT PIPING AND SOIL SAMPLING

On April 23, 2003, KHM witnessed the removal of former fuel piping that was found at the site (Figure 2). A hand augur was used to remove soil beneath the product piping to a depth of approximately 2 feet bg. At the direction of Mr. Busche, KHM collected ten soil samples (P-1 through P-10) at the locations shown on Figure 2. Samples were collected by pushing a brass tube into the soil at each sampling location. The brass tube was then removed, sealed with Teflon sheeting and a tight fitting plastic cap, and clearly labeled. Samples were placed on ice for transportation to the laboratory.

The soil samples were analyzed for TPH-g; BTEX compounds; and fuel oxygenates: MTBE, tert-butanol (TBA), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and tert-amyl methyl ether (TAME) by EPA Method 8260. Chain of custody documentation and certified laboratory analytical reports are included as Attachment D. Analytical results are summarized on Table 1. Soil sampling locations are illustrated on Figure 3.

TPH-g, BTEX compounds, and fuel oxygenates were not detected in any product piping soil samples.

2.4 SOIL SAMPLING BENEATH FORMER FUEL DISPENSERS

On April 23, 2003, KHM, at the direction of Mr. Busche, collected a soil sample from beneath the location of each of the six former fuel dispensers (soil samples D-1 through D-6, Figure 2). Fuller excavated soil to approximately 3 ½ feet bg, at each former fuel dispenser location. A soil sample was collected by pushing a brass tube into the soil at the base of each excavation. The brass tube was then removed, sealed with Teflon sheeting and a tight fitting plastic cap, and clearly labeled. Samples were placed on ice for transportation to the laboratory.

The soil samples were analyzed for TPH-g, BTEX compounds, and fuel oxygenates by EPA Method 8260. Chain of custody documentation and certified laboratory analytical reports are included as Attachment E. Analytical results are summarized on Table 1. TPH-g, BTEX compounds, and fuel oxygenates were not detected in the soil samples collected from beneath the six former fuel dispensers.

2.5 SOIL AND GROUNDWATER SAMPLING IN NEW UST EXCAVATION

Figure 3 provides a site plan of the new Nella service station. On June 3, 2003, KHM monitored the removal of soil for the new UST pit located in the western corner of the site. The area was not used for any underground tanks or piping at the former Shell service station. Twelve soil stockpile samples were collected in order to characterize the material for disposal. The soil samples were analyzed for TPH-g, BTEX compounds, and fuel oxygenates by EPA Method 8260.

TPH-G, BTEX compounds, and MTBE were not detected in any of the twelve soil samples (Table 2). The twelve soil samples were composited into three samples for analysis of metals for waste disposal characterization. Laboratory analytical reports for CAM17 metals and petroleum hydrocarbons are included in Appendix F. Soil generated from the new UST pit was disposed of by Nella.

During Nella's excavation of their new UST pit, groundwater accumulated within the excavation. In order to install the new USTs, it was necessary for Nella to dewater the new tank pit. Approximately 35,000 gallons of groundwater were extracted and temporarily stored in two, 20,000-gallon above-ground holding tanks. KHM sampled groundwater from each of the holding tanks and submitted them for chemical analyses. The water samples (New Pit-W1 and New Pit W2) were decanted into 40 milliliter glass vials (VOAs). The samples were placed on ice for transportation to the laboratory.

The water samples were analyzed for TPH-G, BTEX compounds, and fuel oxygenates by EPA Method 8260FAB. Chain of custody documentation and certified laboratory analytical report are included as Appendix F. Analytical results are summarized on Table 3. TPH-G, BTEX compounds, and fuel oxygenates were not detected in either of the water samples collected from the holding tanks. KHM understands that Nella, with the permission of the ~~City of San Leandro~~, discharged the groundwater into the sanitary sewer. - ORA LOMA SERVICE AREA

2.6 SOIL SAMPLES - NEW PIPING TRENCHES

KHM collected four soil samples from a stockpile generated by Nella during excavation of new product piping trenches (Samples SP-A1 through SP-A4). The four samples were analyzed for TPH-G by EPA method 8260. TPH-G was not detected in any of the four samples (Table 2). Portions of the four samples were composited into one sample identified as Composite A1-4. The composite sample was analyzed for CAM 17 metals for waste classification. Nella transported the stockpiled soil off-site for disposal. Chain of Custody documentation and certified analytical reports are included as Appendix G.

3.0 SUMMARY

The following statements present a summary of the results of recent soil excavation and sampling events.

- The site is underlain by clay to a depth of at least 24 feet bg.
- Petroleum hydrocarbons and fuel oxygenates were not detected in soil samples from below the former fuel piping trenches, the former dispenser islands, and two of the three former hydraulic hoists.
- Petroleum hydrocarbons impacts were detected in the soil below the former eastern hydraulic hoist.
- Soil backfill in the former UST pit contained petroleum hydrocarbon to a depth of at least 11 feet bg. Approximately 500 cubic yards of the backfill was excavated and disposed of off-site.
- Groundwater was encountered at approximately 9 to 11 feet bg in the former UST pit. The previous investigation by Clearwater found petroleum hydrocarbons in groundwater beneath the former UST complex and two dispenser islands. Groundwater in the new UST pit (western portion of the site) did not contain petroleum hydrocarbons or fuel oxygenates.

4.0 WORK PLAN FOR SOIL AND GROUNDWATER INVESTIGATION

In a letter dated July 17, 2001, the City of San Leandro required Shell and B&A Associates to submit a work plan for a soil and groundwater investigation. Extensive soil sampling and analyses were performed as part of the above described site redevelopment activities. Soil samples were analyzed from eighteen previous site borings in 2001. Characterization of the extent of petroleum hydrocarbons in soil is considered complete. The following tasks are proposed to define the extent of petroleum hydrocarbons and fuel oxygenates in groundwater.

4.1 SENSITIVE RECEPTOR SURVEY

KHM will identify the location of all municipal water supply wells within ½-mile of the site. KHM will also identify all surface water bodies within ½-mile of the site.

4.2 INSTALLATION OF GROUNDWATER MONITORING WELLS

KHM proposes the installation of four on-site monitoring wells at the locations shown on Figure 3.

4.2.1 PRE-FIELD ACTIVITIES

KHM will obtain all required drilling permits prior to commencement of any fieldwork. Additionally, the proposed well-boring locations will be marked and Underground Service Alert (USA) will be contacted to locate any underground utilities. A private utility locating service will also be contracted to further define the locations of underground utility lines. Boreholes will be advanced to a depth of approximately seven feet using an air-knife in order to minimize the possibility of damaging an unidentified underground utility.

A Health and Safety Plan will be prepared and each day, a daily "tail-gate" meeting will be held to review any situations that might occur during the drilling activities.

4.2.2 SOIL BORINGS AND WELL INSTALLATIONS

Wells will be installed using hollow-stem auger drilling equipment. The well drilling equipment will be provided and operated by Gregg Drilling (License C57-485165). A KHM field geologist will carefully examine the soil core samples as they are collected. Soils will be classified based on the Unified Soil Classification System using the American Society for Testing and Materials (ASTM) method D-2487 published in May 2000. In addition to classifying the soils, the geologist will examine the core for such features as root-holes, fractures, and mineralization. The borings for each of the wells will be continuously cored to allow a detailed examination of the soil profile beneath the site. Photo-ionization

detector (PID) readings will be taken on soil samples at five-foot intervals. A portion of soil samples exceeding a PID reading of 10 parts per million by volume (PPMV) will be retained in a sealed in a brass tube, placed on ice, and submitted for laboratory analyses. Soil samples will be analyzed for TPH-G, BTEX compounds, and MTBE by EPA method 8260 and TPH-D by method 8015.

The four new wells will be constructed of 4-inch diameter PVC casing and have 0.020 inch diameter slotted well screens. The wells are anticipated to be approximately 25 feet deep with well screens in the 8- to 25-foot depth interval. A 2/12 Lonestar sand will be placed in the annular space opposite the slotted screen. A cement/bentonite grout will be placed from the top of the sand and well screen to within 1-foot of the surface. A traffic-rated vault box will be placed over each well, flush to the surface. All downhole drilling tools will be steam-cleaned between holes to ensure that cross contamination between holes does not occur.

4.2.3 WELL DEVELOPMENT AND SAMPLING

The wells will be developed by BlaineTech Services, Inc. (Blaine) using a surge and pump method until clean water is obtained from the wells. At least 24-hours after development, groundwater samples will be collected from each well. A minimum of three casing volumes of water will be purged from the well prior to sampling. Groundwater samples will be decanted into 40 milliliter glass vials, placed on ice, and submitted for laboratory analyses.

4.2.4 GROUNDWATER ANALYSES

Groundwater samples will be analyzed for TPH-D by EPA Method 8015M, TPH-G and BTEX compounds, and fuel oxygenates MTBE by EPA Method 8260B.

4.2.5 WELL LOCATION AND ELEVATION SURVEY

A California licensed surveyor will establish well elevations, latitude, and longitude. Water elevation data will be used to calculate the groundwater flow direction beneath the site.

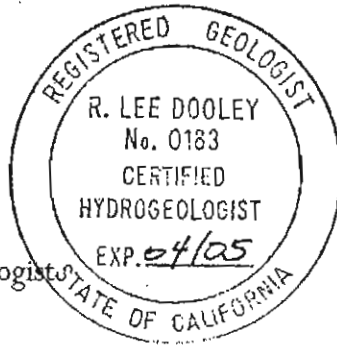
4.3 SOIL AND GROUNDWATER INVESTIGATION REPORT

KHM will prepare a soil and groundwater investigation report containing a description of site activities, a map showing well locations, boring logs and well construction details, a groundwater elevation contour map, tables summarizing soil and groundwater analytical data, and copies of laboratory analytical reports.

5.0 SIGNATURE AND STAMP OF ENVIRONMENTAL PROFESSIONAL

R Lee Dooley

R. Lee Dooley
Certified Hydrogeologist



KHM Environmental Management /
Delta Environmental Consultants, Inc
6284 San Ignacio Avenue, Suite E
San Jose, California 95119

Table 1
Summary of Soil Analytical Data
 Former Shell Service Station
 14880 E 14th Street
 San Leandro, California

Sample Designation	Date Sampled	Depth (feet)	TPH-D (mg/kg)	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	MTBE (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	TOG (mg/kg)
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Notes:

All analysis except TPH-D (Method 8015M) and TOG (Method 1664) performed by EPA Method 8260B

mg/kg = milligrams per kilogram

TPH-D = Total petroleum hydrocarbons as diesel

TPH-G = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tert-butyl ether

DIPE = Diisopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = Tert-amyl methyl ether

TBA = Tert-Butanol

TOG = Total Oil and Grease

NA = Not Analyzed

^a = Hydrocarbon reported as diesel does not match the typical diesel chromatographic pattern.

^b = Hydrocarbon reported as gasoline does not match the typical gasoline chromatographic pattern.

Table 2
Summary of Composite Soil Sample
Analytical Data
Former Shell Service Station
14880 E. 14th Street
San Leandro, California

Sample Designation	Date Sampled	TOG (mg/kg)	TPH-g (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	MTBE (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
Hydraulic Hoist Composite Samples													
Composite 1(A-D)	4/23/2003	60	NA	<0.005	0.016	0.069	0.32	0.11	NA	NA	14	NA	NA
Composite 2(A-D)	4/23/2003	290	NA	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	14	NA	NA
New UST Excavation													
Composite1A	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite1B	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite1C	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite1D	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite 1(A-D)	6/3/2003	NA	NA	NA	NA	NA	NA	NA	1.7	26	6.6	35	42
Composite2A	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite2B	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite2C	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite2D	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite2(A-D)	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	1.7	27	7.2	37	45
Composite3A	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite3B	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite3C	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite3D	6/3/2003	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
Composite 3(A-D)	6/3/2003	NA	NA	NA	NA	NA	NA	NA	1.9	29	7.9	41	46
Soil Stockpile Sampling (New Piping Trenches)													
SP-A1	6/11/2003	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-A2	6/11/2003	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-A3	6/11/2003	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP-A4	6/11/2003	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite-A1-4	6/11/2003	NA	NA	NA	NA	NA	NA	NA	0.75	13	4.1	18	26

mg/kg = milligrams per kilogram

TPH-g = Total petroleum hydrocarbons as gasoline

TOG = Total Oil & Grease

TPH-g = Total petroleum hydrocarbons as gasoline

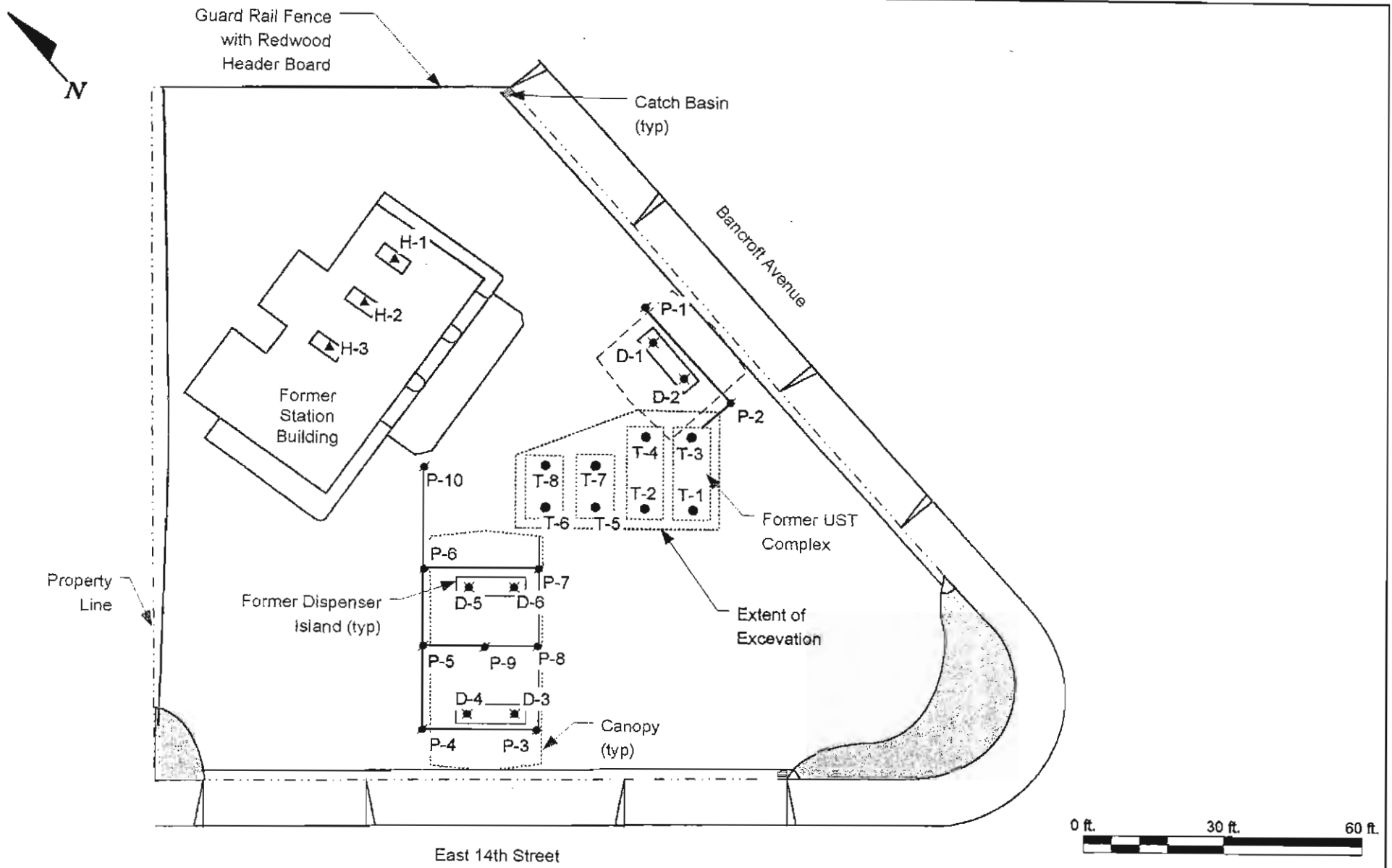
NA = Not Analyzed

Table 3
Summary of Groundwater Analytical Data
(New UST Pit)
Former Shell Service Station
14880 E. 14th Street
San Leandro, California

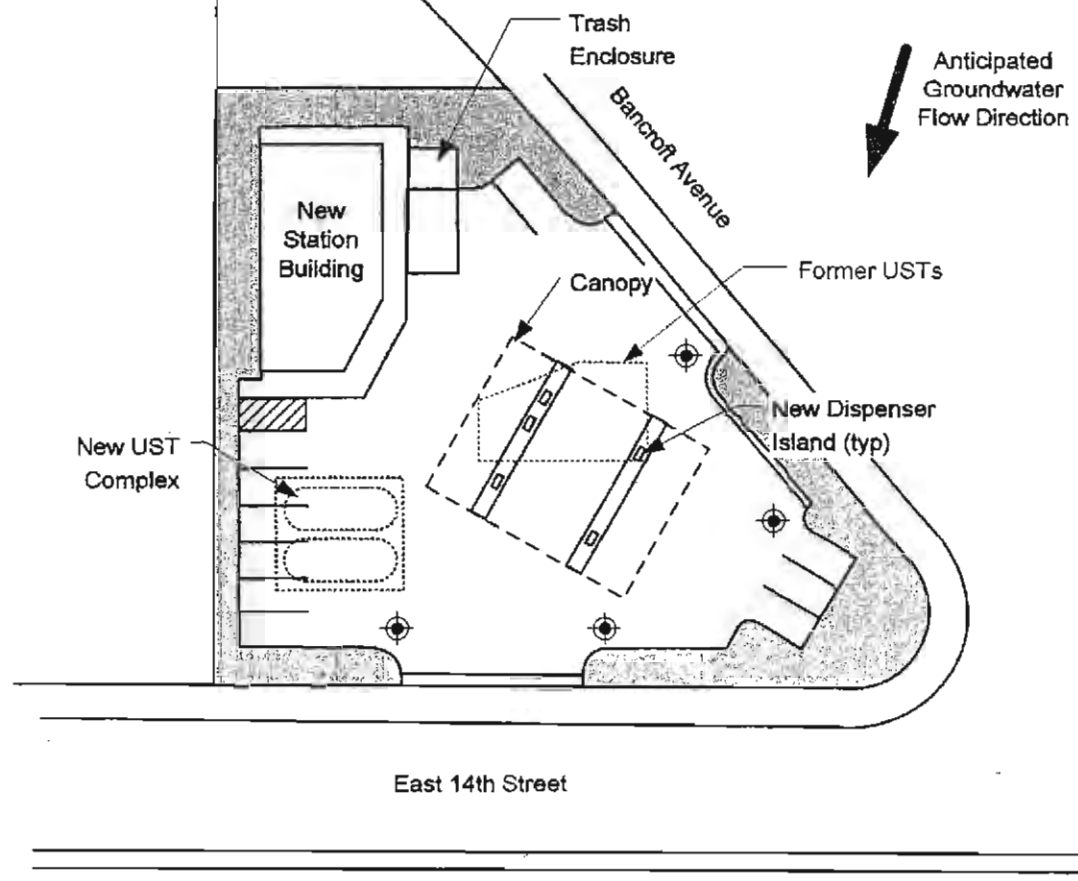
Sample Designation	Date Sampled	Depth (feet)	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethlybenzene (ug/l)	Xylene (ug/l)	MTBE (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)
New Tank Pit Samples												
New Pit -W1	6/3/2003	~11	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	<5.0
New Pit-W2	6/3/2003	~11	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	<5.0

Notes:



All analysis performed by EPA Method 8260B
ug/l = milligrams per kilogram
TPH-G = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether
DIPE = Diisopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
TBA = Tert-Butanol



KHM ENVIRONMENTAL MANAGEMENT, INC.	SOIL SAMPLE LOCATION MAP		
	Former Shell Service Station 14880 East 14th Street San Leandro, California		
	DATE 7/1/03	PROJECT C85-14880 14th	FIGURE 2



LEGEND

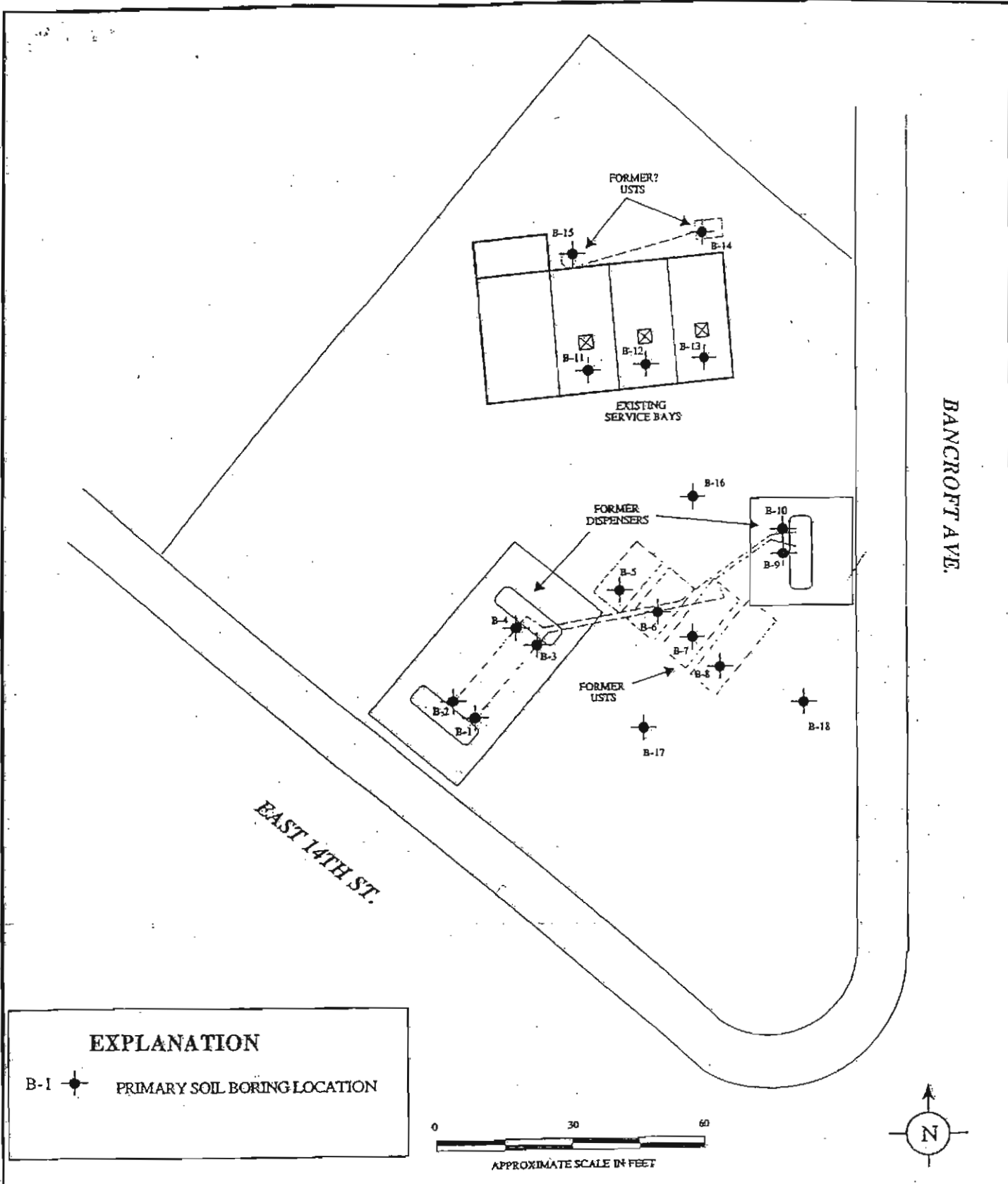
-  **PROPOSED GROUNDWATER MONITORING WELL**
-  **PLANTER**

KHM
 ENVIRONMENTAL
 MANAGEMENT,
 INC.


**SITE PLAN - NEW NELLA OIL
 COMPANY SERVICE STATION**

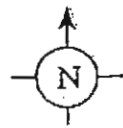
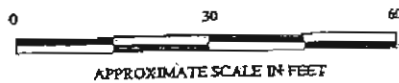
Nella Oil Company Service Station
 14880 East 14th Street
 San Leandro, California

DATE 7/1/03	PROJECT C85-14880 14th	FIGURE 3
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EXPLANATION

B-1  PRIMARY SOIL BORING LOCATION



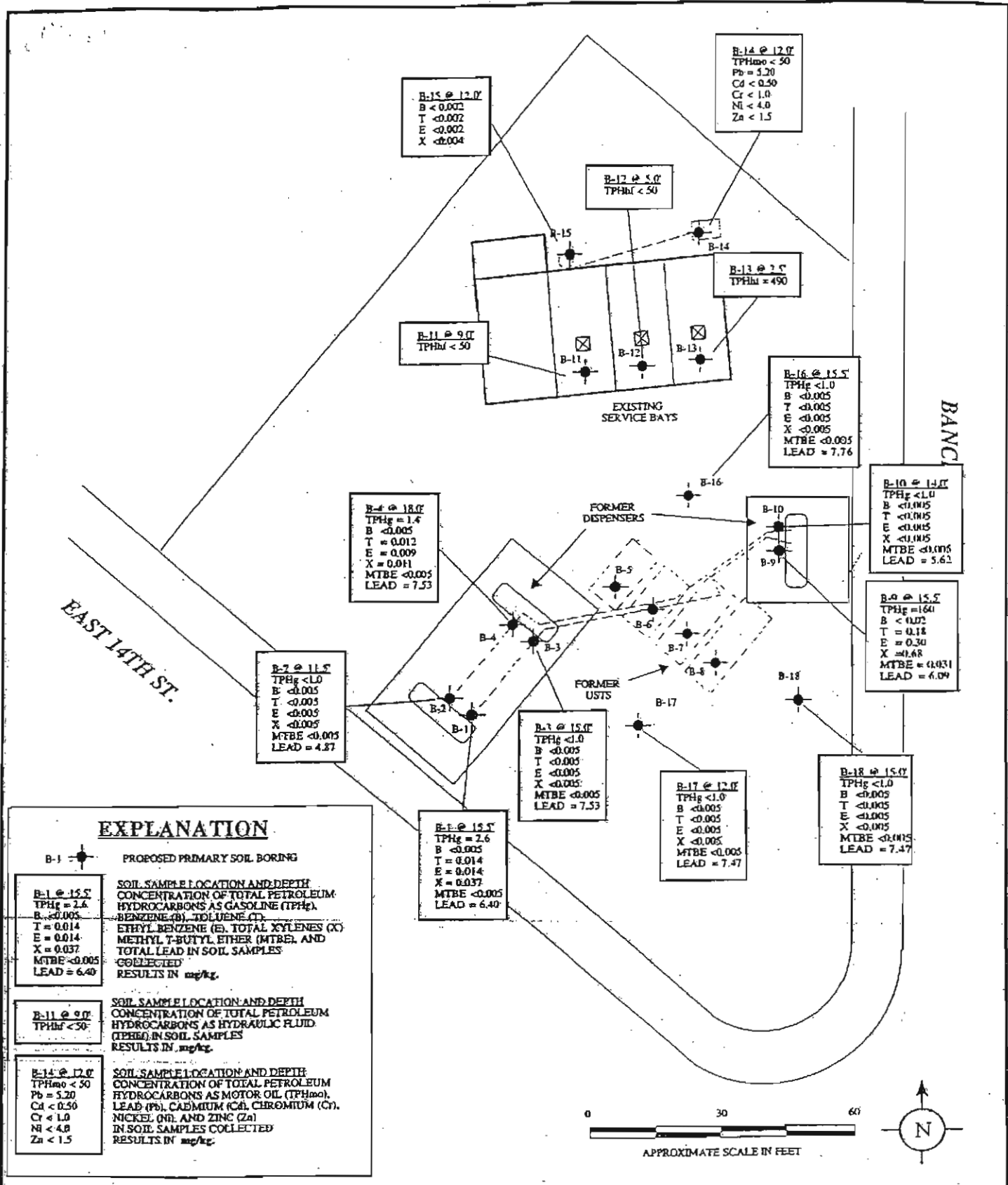
SITE PLAN
AI AUTO CARE CENTER
 14880 East 14th Street
 San Leandro, CA

CLEARWATER GROUP

Project No.
AB043C

Figure Date
5/01

Figure
2



EXPLANATION

- B-1** PROPOSED PRIMARY SOIL BORING
- B-1 @ 13.5'**
 TPHg = 2.6
 B < 0.005
 T = 0.014
 E = 0.014
 X = 0.037
 MTBE < 0.005
 LEAD = 6.40

SOIL SAMPLE LOCATION AND DEPTH
 CONCENTRATION OF TOTAL PETROLEUM
 HYDROCARBONS AS GASOLINE (TPHg),
 BENZENE (B), TOLUENE (T),
 ETHYL BENZENE (E), TOTAL XYLENES (X)
 METHYL T-BUTYL ETHER (MTBE), AND
 TOTAL LEAD IN SOIL SAMPLES
 COLLECTED
 RESULTS IN mg/kg.
- B-11 @ 9.0'**
 TPHhf < 50

SOIL SAMPLE LOCATION AND DEPTH
 CONCENTRATION OF TOTAL PETROLEUM
 HYDROCARBONS AS HYDRAULIC FLUID
 (TPHhf) IN SOIL SAMPLES
 RESULTS IN mg/kg.
- B-14 @ 12.0'**
 TPHmo < 50
 Pb = 5.20
 Cd < 0.50
 Cr < 1.0
 Ni < 4.0
 Zn < 1.5

SOIL SAMPLE LOCATION AND DEPTH
 CONCENTRATION OF TOTAL PETROLEUM
 HYDROCARBONS AS MOTOR OIL (TPHmo),
 LEAD (Pb), CADMIUM (Cd), CHROMIUM (Cr),
 NICKEL (Ni), AND ZINC (Zn)
 IN SOIL SAMPLES COLLECTED
 RESULTS IN mg/kg.

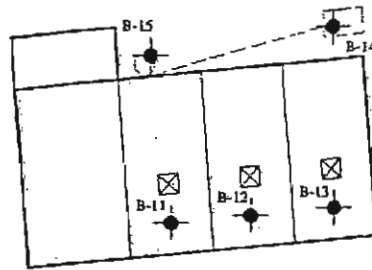
SOIL SAMPLING RESULTS
A1 AUTO CARE CENTER
 14880 East 14th Street
 San Leandro, CA

CLEARWATER GROUP

Project No. AB043C	Figure Date 5/01	Figure 3A
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HANCROFT AVE.

EAST 14TH ST.



EXISTING SERVICE BAYS

B-1 @ 5.5'
 TPHg = 14
 B < 0.003
 T < 0.003
 E = 0.023
 X < 0.003
 MTBE < 0.005
 LEAD = 6.24

B-6 @ 12.5'
 TPHg = 450
 B < 0.1
 T = 0.14
 E = 0.74
 X = 3.2
 MTBE = 0.18
 LEAD = 6.16

B-8 @ 1.5'
 TPHg < 1.8
 B < 0.003
 T < 0.003
 E < 0.003
 X < 0.003
 MTBE < 0.005
 LEAD = 4.37

B-7 @ 12.5'
 TPHg = 1.3
 B < 0.003
 T < 0.003
 E < 0.005
 X = 0.009
 MTBE < 0.005
 LEAD = 4.93

EXPLANATION

B-1 PROPOSED PRIMARY SOIL BORING

B-7 @ 12.5'
 TPHg = 1.3
 B < 0.003
 T < 0.003
 E < 0.005
 X = 0.009
 MTBE < 0.005
 LEAD = 4.93

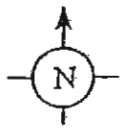
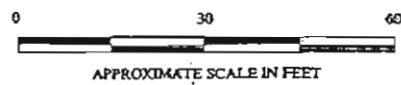
SOIL SAMPLE LOCATION AND DEPTH
 CONCENTRATION OF TOTAL PETROLEUM
 HYDROCARBONS AS GASOLINE (TPHg),
 BENZENE (B), TOLUENE (T),
 ETHYL BENZENE (E), TOTAL XYLENES (X)
 METHYL T-BUTYL ETHER (MTBE), AND
 TOTAL LEAD IN SOIL SAMPLES
 COLLECTED
 RESULTS IN mg/kg.

B-11 @ 5.0'
 TPHhf < 50

SOIL SAMPLE LOCATION AND DEPTH
 CONCENTRATION OF TOTAL PETROLEUM
 HYDROCARBONS AS HYDRAULIC FLUID
 (TPHhf) IN SOIL SAMPLES
 RESULTS IN mg/kg.

B-14 @ 17.0'
 TPHmo < 50
 Pb = 5.20
 Cd < 0.50
 Cr < 1.0
 Ni < 4.0
 Zn < 1.5

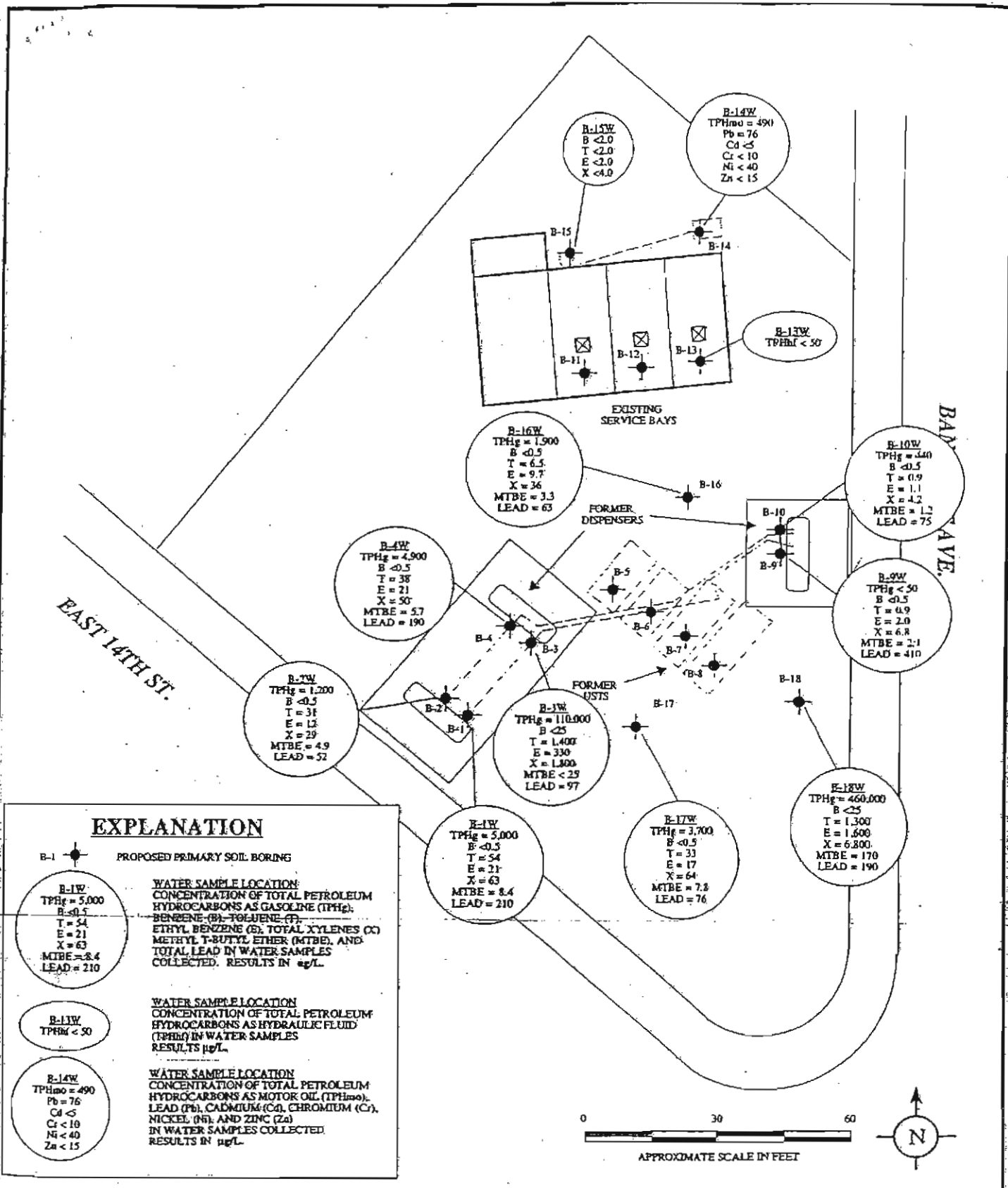
SOIL SAMPLE LOCATION AND DEPTH
 CONCENTRATION OF TOTAL PETROLEUM
 HYDROCARBONS AS MOTOR OIL (TPHmo),
 LEAD (Pb), CADMIUM (Cd), CHROMIUM (Cr),
 NICKEL (Ni), AND ZINC (Zn)
 IN SOIL SAMPLES COLLECTED
 RESULTS IN mg/kg.



SOIL SAMPLING RESULTS
A1 AUTO CARE CENTER
 14880 East 14th Street
 San Leandro, CA

CLEARWATER GROUP

Project No. AB043C	Figure Date 5/01	Figure 3B
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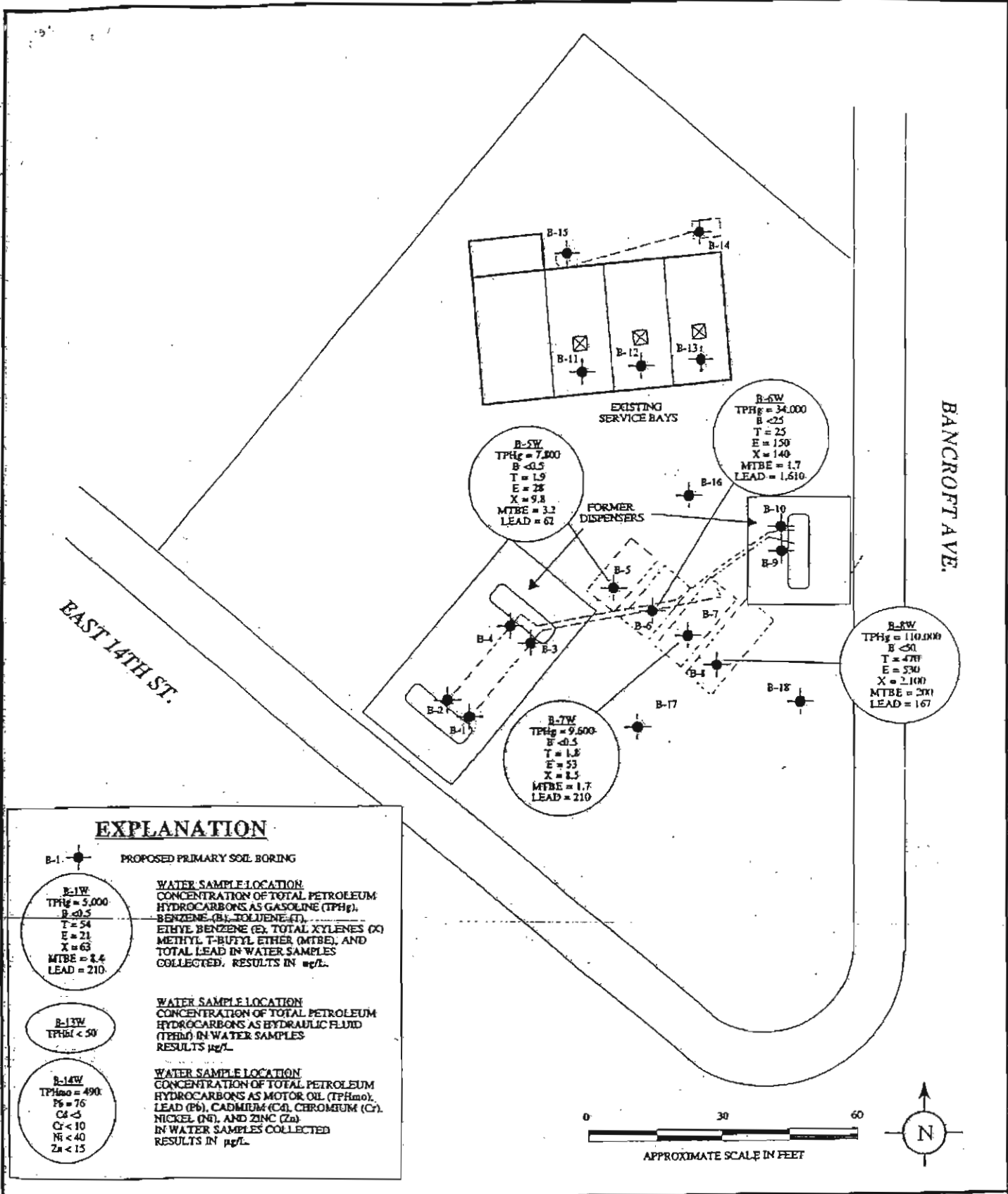
WATER SAMPLING RESULTS
A1 AUTO CARE CENTER
 14880 East 14th Street
 San Leandro, CA

CLEARWATER GROUP

Project No.
AB043C

Figure Date
5/01

Figure
4A



EXPLANATION

B-1. PROPOSED PRIMARY SOIL BORING

B-1W
 TPHg = 5,000
 B < 0.5
 T = 54
 E = 21
 X = 63
 MTBE = 2.4
 LEAD = 210

WATER SAMPLE LOCATION
 CONCENTRATION OF TOTAL PETROLEUM
 HYDROCARBONS AS GASOLINE (TPHg),
 BENZENE (B), TOLUENE (T),
 ETHYL BENZENE (E), TOTAL XYLENES (X)
 METHYL T-BUTYL ETHER (MTBE), AND
 TOTAL LEAD IN WATER SAMPLES
 COLLECTED. RESULTS IN $\mu\text{g}/\text{L}$.

B-1TW
 TPHfl < 50

WATER SAMPLE LOCATION
 CONCENTRATION OF TOTAL PETROLEUM
 HYDROCARBONS AS HYDRAULIC FLUID
 (TPHfl) IN WATER SAMPLES
 RESULTS $\mu\text{g}/\text{L}$.

B-14W
 TPHmo = 490
 Pb = 76
 Cd < 3
 Cr < 10
 Ni < 40
 Zn < 15

WATER SAMPLE LOCATION
 CONCENTRATION OF TOTAL PETROLEUM
 HYDROCARBONS AS MOTOR OIL (TPHmo),
 LEAD (Pb), CADMIUM (Cd), CHROMIUM (Cr),
 NICKEL (Ni), AND ZINC (Zn)
 IN WATER SAMPLES COLLECTED
 RESULTS IN $\mu\text{g}/\text{L}$.

WATER SAMPLING RESULTS
A1 AUTO CARE CENTER
 14880 East 14th Street
 San Leandro, CA

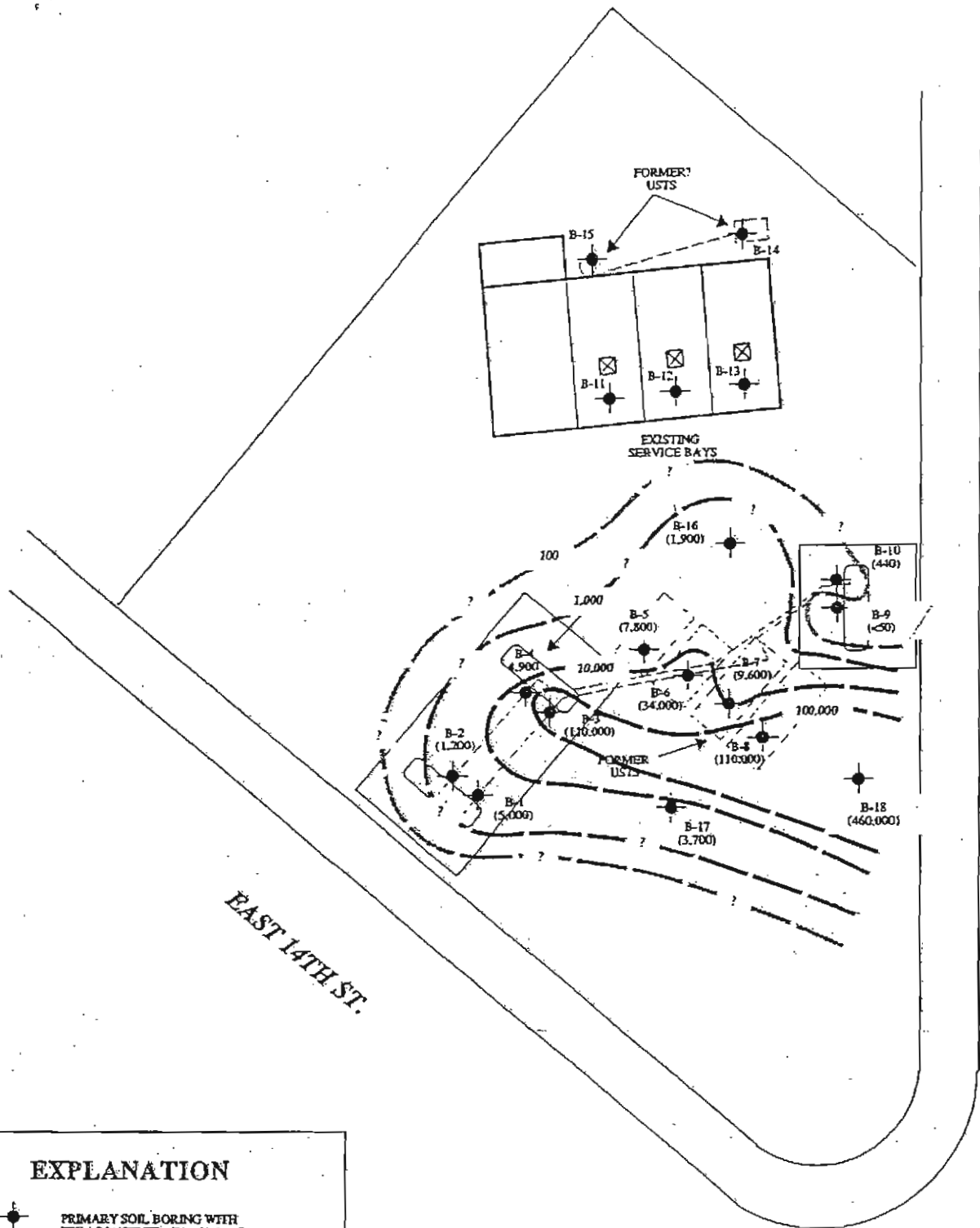
CLEARWATER GROUP

Project No.
 AB043C

Figure Date
 5/01

Figure
 4B

BANCROFT AVE.

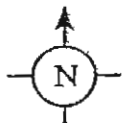


EXPLANATION

B-1 (1,200) ★ PRIMARY SOIL BORING WITH TPHg CONCENTRATION IN µg/L
100 - - - - - TPHg ISOCONCENTRATION CONTOUR

0 30 60

APPROXIMATE SCALE IN FEET



Dissolved TPHg Isoconcentration Map
A1 AUTO CARE CENTER
14880 East 14th Street
San Leandro, CA

CLEARWATER GROUP

Project No.
AB043C

Figure Date
5/01

Figure
5

TABLE I
 SOIL SAMPLING ANALYTICAL RESULTS
 INITIAL SUBSURFACE INVESTIGATION
 A1 AUTO CARE CENTER
 14880 E. 14TH STREET, SAN LEANDRO CALIFORNIA

Borehole Number	Sample Depth (ft)	Sample Date	TPHmo (mg/kg)	TPHhf (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Pb (mg/kg)	Cd (mg/kg)	Cr (mg/kg)	Ni (mg/kg)	Zn (mg/kg)
B-1	15.5	9-Apr-01	--	--	2.6	<0.005	0.014	0.014	0.037	<0.005	6.40	--	--	--	--
B-2	11.5	9-Apr-01	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	4.87	--	--	--	--
B-3	15.0	10-Apr-01	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	7.53	--	--	--	--
B-4	18.0	10-Apr-01	--	--	1.4	<0.005	0.012	0.009	0.011	<0.005	1.48	--	--	--	--
B-5	5.5	9-Apr-01	--	--	14	<0.005	<0.005	<0.005	0.023	<0.005	6.24	--	--	--	--
B-6	12.5	9-Apr-01	--	--	450	<0.1	0.14	0.74	3.2	0.18	6.16	--	--	--	--
B-7	12.5	9-Apr-01	--	--	1.2	<0.005	<0.005	<0.005	0.009	<0.005	4.93	--	--	--	--
B-8	8.5	9-Apr-01	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	4.37	--	--	--	--
B-9	15.5	9-Apr-01	--	--	160	<0.02	0.18	0.30	0.68	0.031	6.09	--	--	--	--
B-10	14.0	9-Apr-01	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	5.62	--	--	--	--
B-11	9.0	10-Apr-01	--	<50	--	--	--	--	--	--	--	--	--	--	--
B-12	5.0	10-Apr-01	--	<50	--	--	--	--	--	--	--	--	--	--	--
B-13	2.5	10-Apr-01	--	490	--	--	--	--	--	--	--	--	--	--	--
B-14	12.0	10-Apr-01	<50	--	--	--	--	--	--	--	5.20	<0.50	<1.0	<4.0	<1.5
B-15	12.0	10-Apr-01	--	--	--	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--
B-16	15.5	9-Apr-01	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	7.76	--	--	--	--
B-17	12.0	10-Apr-01	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	7.47	--	--	--	--
B-18	15.0	9-Apr-01	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	7.47	--	--	--	--

TABLE I
SOIL SAMPLING ANALYTICAL RESULTS
INITIAL SUBSURFACE INVESTIGATION
AT AUTO CARE CENTER
14880 E. 14TH STREET, SAN LEANDRO CALIFORNIA

Notes:

mg/kg	milligrams per kilogram; equivalent to parts per million (ppm)
TPHmo	Total Petroleum Hydrocarbons as Motor Oil by EPA Method 8015M
TPHhf	Total Petroleum Hydrocarbons as Hydraulic Fluids by EPA Method 8015M
TPHg	Total Petroleum Hydrocarbons as Gasoline by EPA Method 8015M
B	Benzene by EPA Method 8020
T	Toluene by EPA Method 8020
E	Ethyl-Benzene by EPA Method 8020
X	Total Xylenes by EPA Method 8020
MTBE	Methyl Tert Butyl Ether by EPA Method 8020 with 8260 Confirmation
Pb	Total Lead by EPA Method 6020
Cd	Total Cadmium by EPA Method 6020
Cr	Total Chromium by EPA Method 6020
Ni	Total Nickel by EPA Method 6020
Zn	Total Zinc by EPA Method 6020
<#	Below the specified detection limits.
--	Sample not tested for respective analyte.

TABLE 2
 WATER SAMPLING ANALYTICAL RESULTS
 INITIAL SUBSURFACE INVESTIGATION
 A1 AUTO CARE CENTER
 14880 E. 14TH STREET, SAN LEANDRO CALIFORNIA

Borehole Number	Screen Interval (ft)	Sample Date	TPH _{mo} (µg/L)	TPH _{hf} (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Pb (mg/L)	Cd (mg/L)	Cr (mg/L)	Ni (mg/L)	Zn (mg/L)
B-1	15 - 20	9-Apr-01	--	--	5,000	<0.5	54	21	63	8.4	0.210	--	--	--	--
B-2	15 - 20	9-Apr-01	--	--	1,200	<0.5	31	12	29	4.9	0.052	--	--	--	--
B-3	15 - 20	10-Apr-01	--	--	110,000	<25	1,400	330	1,800	<25	0.097	--	--	--	--
B-4	19 - 24	10-Apr-01	--	--	4,900	<0.5	38	21	50	5.7	0.190	--	--	--	--
B-5	19 - 24	9-Apr-01	--	--	7,800	<0.5	1.9	28	9.8	3.2	0.062	--	--	--	--
B-6	19 - 24	9-Apr-01	--	--	34,000	<25	<25	150	140	<25	0.900	--	--	--	--
B-7	15 - 20	9-Apr-01	--	--	9,600	0.5	1.8	53	8.5	1.7	1.61	--	--	--	--
B-8	15 - 20	9-Apr-01	--	--	110,000	<50	470	530	2,100	200	0.167	--	--	--	--
B-9	15 - 20	9-Apr-01	--	--	<50	<0.5	0.9	2.0	6.8	2.1	0.410	--	--	--	--
B-10	15 - 20	9-Apr-01	--	--	440	<0.5	0.5	1.1	4.2	1.2	0.075	--	--	--	--
B-13	15 - 20	10-Apr-01	--	<50	--	--	--	--	--	--	--	--	--	--	--
B-14	15 - 20	10-Apr-01	490	--	--	<2.0	<2.0	<2.0	<4.0	--	0.076	<0.005	<0.010	<0.040	<0.015
B-15	15 - 20	10-Apr-01	--	--	--	<2.0	<2.0	<2.0	<4.0	--	--	--	--	--	--
B-16	15 - 20	9-Apr-01	--	--	1,900	<0.5	6.5	9.7	36	3.3	0.063	--	--	--	--
B-17	15 - 20	10-Apr-01	--	--	3,700	<0.5	33	17	64	7.8	0.076	--	--	--	--
B-18	15 - 20	9-Apr-01	--	--	460,000	<25	1,300	1,600	6,800	170	0.190	--	--	--	--

TABLE 2
 WATER SAMPLING ANALYTICAL RESULTS
 INITIAL SUBSURFACE INVESTIGATION
 A1 AUTO CARE CENTER
 14880 E. 14TH STREET, SAN LEANDRO CALIFORNIA

Notes:

Screen Interval	Depth of screened interval from which sample was collected
µg/L	micrograms per liter: equivalent to parts per billion (ppb)
mg/L	milligrams per liter: equivalent to parts per million (ppm)
TPHmo	Total Petroleum Hydrocarbons as Motor Oil by EPA Method 8015M
TPHhf	Total Petroleum Hydrocarbons as Hydraulic Fluids by EPA Method 8015M
TPHg	Total Petroleum Hydrocarbons as Gasoline by EPA Method 8015M
B	Benzene by EPA Method 8020
T	Toluene by EPA Method 8020
E	Ethyl-Benzene by EPA Method 8020
X	Total Xylenes by EPA Method 8020
MTBE	Methyl Tert Butyl Ether by EPA Method 8020
Pb	Total Lead by EPA Method 6020
Cd	Total Cadmium by EPA Method 6020
Cr	Total Chromium by EPA Method 6020
Ni	Total Nickel by EPA Method 6020
Zn	Total Zinc by EPA Method 6020
<#	Below the specified detection limits.
-	Sample not tested for respective analyte.

TABLE 3
 MTBE BY EPA 8260 CONFIRMATION RESULTS
 INITIAL SUBSURFACE INVESTIGATION
 A1 AUTO CARE CENTER
 14880 E. 14TH STREET, SAN LEANDRO CALIFORNIA

Borehole Number	Sample Depth (ft)	Screen Interval (ft)	Sample Date	<-- WATERS -->		<-- SOILS -->	
				MTBE - 8020 (µg/L)	MTBE (µg/L)	MTBE - 8020 (µg/kg)	MTBE (µg/kg)
B-1	-	15 - 20	9-Apr-01	8.4	3.0	-	-
B-2	-	15 - 20	9-Apr-01	4.9	<2.0	-	-
B-3	-	15 - 20	10-Apr-01	<25	<2.0	-	-
B-4	-	19 - 24	10-Apr-01	5.7	<2.0	-	-
B-5	-	19 - 24	9-Apr-01	3.2	-	-	-
B-6	12.5	19 - 24	9-Apr-01	<25	<2.0	180	<2.0
B-7	-	15 - 20	9-Apr-01	1.7	-	-	-
B-8	-	15 - 20	9-Apr-01	200	<2.0	-	-
B-9	-	15 - 20	9-Apr-01	2.1	<2.0	-	-
B-10	-	15 - 20	9-Apr-01	1.2	1.2	-	-
B-16	-	15 - 20	9-Apr-01	3.3	<2.0	-	-
B-17	-	15 - 20	10-Apr-01	7.8	6.0	-	-
B-18	-	15 - 20	9-Apr-01	170	<2.0	-	-

Notes:

- Sample Depth Depth from which soil sample was collected
- Screen Interval Depth of screened interval from which water sample was collected
- µg/L micrograms per liter; equivalent to parts per billion (ppb)
- µg/kg micrograms per kilogram; equivalent to parts per billion (ppb)
- MTBE - 8020 Methyl Tert Butyl Ether by EPA Method 8020
- MTBE Methyl Tert Butyl Ether by EPA Method 8260
- <# Below the specified detection limits.
- Sample not tested for respective analyte.

15008 East 14th Street



Customer-Focused Solutions

**FOURTH QUARTER 2003
FLUID LEVEL MONITORING AND
GROUNDWATER SAMPLING REPORT**

January 10, 2004

76 STATION 3292
15008 East 14th Street
San Leandro, California

Prepared For:

Mr. Thomas H. Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

GETTLER-RYAN INC.
HISTORICAL TABLES

Table 1
 Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWT (mst)	TPH-C (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-1	05/04/91	--	7.0-19.0	--	31,000	74	20	920	1,500	--	
	09/19/91	--		--	26,000	130	16	1,300	1,800	--	
	12/18/91	--		--	17,000	160	20	1,400	1,600	--	
	03/17/92	--		--	23,000	320	19	1,000	940	--	
	05/19/92	--		--	29,000	650	370	1,100	1,200	--	
	08/20/92	--		--	18,000	230	22	640	950	--	
36 72	09/16/92	13.67		23.05	--	--	--	--	--	--	
	10/12/92	14.07		22.65	--	--	--	--	--	--	
	11/10/92	13.96		22.76	18,000	220	ND	690	830	--	
	12/10/92	13.15		23.57	--	--	--	--	--	--	
	01/15/93	10.02		26.70	--	--	--	--	--	--	
	02/20/93	9.01		27.71	19,000	190	ND	880	620	--	
	03/18/93	9.48		27.24	--	--	--	--	--	--	
	04/20/93	9.15		27.57	--	--	--	--	--	--	
	05/21/93	9.80		26.92	27,000	150	200	1,200	950	--	
	06/22/93	10.33		26.39	--	--	--	--	--	--	
	07/23/93	10.79		25.93	--	--	--	--	--	--	
	08/23/93	11.27		25.45	24,000	160	110	840	810	--	
	36 37	09/24/93	11.35		25.02	--	--	--	--	--	--
		11/23/93	11.84		24.53	18,000	210	63	900	620	--
02/24/94		9.45		26.92	18,000	74	30	940	480	--	
05/25/94 ³		10.45		25.92	6,400	72	ND	170	67	--	
08/23/94		11.98		24.39	24,000	130	57	970	320	--	
11/23/94		11.17		25.20	23,000	180	44	970	270	--	
02/03/95		8.01		28.36	20,000	77	17	950	390	--	
05/10/95		8.51		27.86	16,000	230	27	880	630	--	
08/02/95		10.00		26.37	18,000	190	ND	860	590	--	
11/02/95		11.11		25.26	--	--	--	--	--	--	
11/20/95 ⁴		11.19		25.18	20,000	180	ND	960	450	970	
02/08/96		7.74		28.63	15,000	43	16	940	410	5,200	
05/08/96	8.50		27.87	16,000	37	16	930	410	1,600		
08/09/96	9.72		26.65	2,300	25	ND	77	39	1,200		
11/07/96	10.74		25.63	38,000	140	ND	1,900	5,600	ND		

Title
 Groundwater Monitoring Data and Analytical Results
 Losco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ FOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	02/10-11/97	7.92	7.0-19.0	28.45	7,300	91	ND	170	68	1,700
(cont)	05/07/97	9.24		27.13	11,000	120	ND	470	110	1,200
	08/05/97	10.20		26.17	530 ¹	5.9	ND	5.6	ND	4.10
	11/04/97	10.71		25.66	4,100	50	7.0	64	14	97
	02/12/98	6.27		30.10	8,500	160	ND ²	550	ND ¹	1,900
36-34	05/15/98	7.62		28.72	5,600	57	ND ²	290	ND ²	1,500
	08/12/98	8.85		27.49	ND ²	ND ²	ND ²	ND ²	ND ²	5,800
	11/12/98	9.71		26.63	ND ²	16	ND ²	ND ²	ND ²	12,000/13,000 ¹²
	03/01/99	7.85		28.49	5,700	43	ND ²	320	ND ²	5,000/9,600 ¹²
	05/12/99	8.70		27.64	ND ²	36	ND ²	ND ²	ND ²	12,000/21,000 ¹²
	08/11/99	9.81		26.53	ND ²	ND ²	ND ²	ND ²	ND ²	5,760/8,650 ¹²
	11/04/99	10.72		25.62	1,640 ¹¹	11.0	ND ²	ND ²	ND ²	3,330/3,630 ¹⁸
	02/29/00	7.31		29.03	195 ¹⁹	ND	ND	ND	ND	580/657 ²⁰
	05/08/00	8.27		28.07	9,010 ¹⁷	60.5	ND ²	402	ND ²	2,260/1,780 ¹²
	08/08/00	9.85		26.49	2,060 ¹⁷	34.8	ND ²	38.7	ND ²	1,710/1,990 ¹⁸
	11/06/00	10.05		26.29	2,300 ¹¹	19.3	ND ²	4.37	ND ²	592
	02/07/01	9.64		26.70	2,700 ¹⁷	25	ND ²	38	ND ²	1,500/840 ¹²
	05/09/01	9.81		26.53	5,550 ¹¹	42.7	ND ²	48.4	ND ²	605/431 ¹⁸
	08/24/01	11.21		25.13	15,000 ¹¹	130	<20	170	<20	820
	11/16/01	11.49		24.85	8,900 ¹¹	65	<10	46	<10	640/490 ¹²
	02/21/02	8.93		27.41	7,400 ¹¹	73	<10	100	<10	400/170 ¹²
	05/10/02	9.82		26.52	6,000 ¹¹	67	6.7	58	<5.0	<50
	08/26/02 ²¹	11.03		25.31	9,200	<10	<10	62	<20	120
	11/07/02 ²¹	11.53		24.81	2,200 ²²	<2.5	<2.5	4.6	<5.0	20
	02/14/03 ²¹	9.03		27.31	4,300	<2.5	<2.5	23	<5.0	35
	05/12/03 ¹¹	8.61		27.73	5,000 ²²	<0.50	0.50	13	<1.0	32
MW-2	05/04/91	--	7.0-19.5	--	19,000	6.6	1.4	460	630	--
	09/19/91	--		--	19,000	100	6.8	790	310	--
	12/18/91	--		--	10,000	110	5.1	420	96	--
	03/17/92	--		--	16,000	110	ND	730	220	--

Table 1
 Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	05/19/92	--	7.0-19.5	--	17,000	140	87	680	170	--
(cont)	08/20/92	--		--	13,000	52	ND	660	70	--
36 89	09/16/92	13.80		23.09	--	--	--	--	--	--
	10/12/92	14.19		22.70	--	--	--	--	--	--
	11/10/92	14.06		22.83	11,000	36	7.2	570	45	--
	12/10/92	13.21		23.68	--	--	--	--	--	--
	01/15/93	10.12		26.77	--	--	--	--	--	--
	02/20/93	9.07		27.82	1,500	2.9	3.8	9.1	ND	--
	03/18/93	9.55		27.34	--	--	--	--	--	--
	04/20/93	9.19		27.70	--	--	--	--	--	--
	05/21/93	9.84		27.05	9,500	37	ND	470	62	--
	06/22/93	10.37		26.52	--	--	--	--	--	--
	07/23/93	10.83		26.06	--	--	--	--	--	--
	08/23/93	11.30		25.59	15,000	110	ND	590	64	--
36 34	09/24/93	11.14		25.20	--	--	--	--	--	--
	11/23/93	11.69		24.65	11,000	80	10	480	20	--
	02/24/94 ⁵	9.27		27.07	11,000	44	ND	580	32	--
	05/25/94	10.30		26.04	11,000	50	ND	400	22	--
	08/23/94	11.82		24.52	12,000	45	10	360	20	--
	11/23/94	10.97		25.37	15,000	61	24	440	ND	--
	02/03/95	7.87		28.47	9,700	5.7	ND	250	10	--
	05/10/95	8.38		27.96	7,500	56	4.7	310	33	--
	08/02/95	9.36		26.98	8,200	53	22	220	25	--
	11/02/95	10.95		25.39	5,000	56	4.5	170	7.7	110
	02/08/96	7.52		28.82	7,200	ND	ND	170	ND	ND
	05/08/96	8.21		28.13	8,400	5.6	9.0	170	10	130
	08/09/96	9.54		26.80	3,100	24	ND	80	ND	64
	11/07/96	10.69		25.65	36,000	140	ND	1,900	5,600	ND
	02/10-11/97	7.75		28.59	4,600	27	ND	53	ND	ND
	05/07/97	9.14		27.20	5,300	61	ND	78	20	180
	08/05/97	10.23		26.11	3,100	35	ND	13	ND	58

Table 1

Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	11/04/97	10.65	7.0-19.5	25.69	1,200	16	ND	11	25	53
(cont)	02/12/98	6.20		30.14	630	12	ND ⁷	7.3	ND ⁷	48
36.30	05/15/98	7.50		28.80	3,600	19	ND ⁷	33	ND ⁷	72
	08/12/98	8.82		27.48	3,100	44	6.1	15	5.7	270
	11/12/98	9.60		26.70	3,200 ¹¹	44	ND ⁷	15	ND ⁷	180
	03/01/99	7.81		28.49	3,600	45	6.2	7.5	ND ⁷	570
	05/12/99	8.65		27.65	3,100	65	ND ⁷	15	17	450
	08/11/99	9.95		26.35	3,260	33.6	ND ⁷	ND ⁷	ND ⁷	154
	11/04/99	10.78		25.52	3,160 ¹¹	38.9	7.10	ND ⁷	ND ⁷	120
	02/29/00	7.44		28.86	3,770 ¹¹	13.5	ND ⁷	12.0	ND ⁷	105
	05/08/00	8.42		27.88	3,840 ¹¹	ND ⁷	ND ⁷	9.54	ND ⁷	ND ⁷
	08/08/00	9.66		26.64	3,080 ¹¹	40.8	ND ⁷	ND ⁷	ND ⁷	149
	11/06/00	9.79		26.51	2,510 ¹¹	38.8	4.42	ND ⁷	ND ⁷	82.6
	02/07/01	9.43		26.87	9,300 ¹⁹	140	120	71	140	790
	05/09/01	9.65		26.65	3,300 ¹¹	37.9	ND ⁷	ND ⁷	ND ⁷	120
	08/24/01	11.06		25.24	3,100 ¹⁹	<5.0	<5.0	<5.0	<5.0	<50
	11/16/01	11.19		25.11	2,200 ¹¹	28	<5.0	<5.0	<5.0	76
	02/21/02	8.73		27.57	2,700 ¹¹	33	<5.0	<5.0	<5.0	100
	05/10/02	9.71		26.59	2,300 ¹¹	30	<5.0	<5.0	<5.0	<50
	08/26/02 ²¹	10.88		25.42	4,400	<5.0	<5.0	<5.0	<10	<20
	11/07/02 ²¹	11.16		25.14	1,100 ²²	<2.5	<2.5	<2.5	<5.0	<10
	02/14/03 ²¹	8.91		27.39	1,800 ²²	<0.50	<0.50	<0.50	<1.0	<2.0
	05/12/03 ²¹	8.73		27.57	2,900 ²²	<0.50	<0.50	0.89	<1.0	<2.0
MW-3	05/04/91	--	7.0-22.5	--	9,100	2.0	ND	55	180	--
	09/19/91	--		--	7,600	ND	13	190	170	--
	12/18/91	--		--	5,900	54	6.4	110	64	--
	03/17/92	--		--	5,800	66	7.5	100	58	--
	05/19/92	--		--	3,400	25	3.6	66	41	--
	08/20/92	--		--	4,500	58	ND	65	35	--
36.84	09/16/92	13.74		23.10	--	--	--	--	--	--
	10/12/92	14.13		22.71	--	--	--	--	--	--

Table 1
 Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	D/TW (ft.)	S.L. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	11/10/92	14.03	7.0-22.5	22.81	3,400	37	ND	85	34	--
(cont)	12/10/92	13.15		23.69	--	--	--	--	--	--
	01/15/93	10.07		26.77	--	--	--	--	--	--
	02/20/93	9.02		27.82	1,600	12	18	89	12	--
	03/18/93	9.50		27.34	--	--	--	--	--	--
	04/20/93	9.02		27.82	--	--	--	--	--	--
	05/21/93	9.70		27.14	2,600	42	ND	43	15	--
	06/22/93	10.28		26.56	--	--	--	--	--	--
	07/23/93	10.74		26.10	--	--	--	--	--	--
	08/23/93	11.24		25.60	2,900	25	ND	50	18	--
36.42	09/24/93	11.20		25.22	--	--	--	--	--	--
	11/23/93	11.78		24.64	2,300	34	ND	24	5.6	--
	02/24/94	9.21		27.21	3,400	46	ND	53	11	--
	05/25/94	10.34		26.08	1,400	20	ND	ND	ND	--
	08/23/94	11.88		24.54	2,900	37	49	14	2.9	--
	11/23/94	10.98		25.44	3,200	48	ND	22	ND	--
	02/03/95	7.82		28.60	780	13	ND	2.1	ND	--
	05/10/95	8.38		28.04	1,300	ND	ND	ND	ND	--
	08/02/95	9.49		26.93	1,500	6.3	ND	16	2.1	--
	11/02/95	11.00		25.42	1,100	5.2	2.1	7.4	0.5	15
	02/08/96	7.41		29.01	450	ND	ND	ND	ND	ND
	05/08/96	8.20		28.22	590	ND	11	10	ND	ND
	08/09/96	9.53		26.89	ND	ND	ND	ND	ND	ND
	11/07/96	10.96		25.46	140	1.2	ND	ND	ND	5.6
	02/10-11/97	7.71		28.71	89	1.8	ND	ND	ND	ND
	05/07/97	9.17		27.25	52 ²	ND	ND	ND	5.1	5.1
	08/05/97	10.27		26.15	ND	ND	ND	ND	ND	ND
	11/04/97	10.83		25.59	93	1.8	ND	ND	ND	6.2
	02/12/98	6.00		30.42	56	0.59	ND	ND	ND	2.7
36.42	05/15/98	7.42		29.00	130 ⁸	0.68	ND	ND	0.63	10
	08/12/98	8.84		27.58	50	ND	ND	ND	ND	ND
	11/12/98	9.57		26.85	60 ¹³	ND	ND	ND	ND	3.8
	03/01/99	8.74		27.68	66	ND	ND	ND	ND	3.2

Table 1
 Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	05/12/99	8.92	7.0-22.5	27.50	ND	ND	ND	ND	ND	ND
(cont)	08/11/99	10.18		26.24	ND	ND	ND	ND	ND	ND
	11/04/99	11.06		25.36	ND	ND	ND	ND	ND	ND
	02/29/00	NOT MONITORED/SAMPLE		--	--	--	--	--	--	--
	08/08/00	10.03		26.39	--	--	--	--	--	--
	11/06/00	10.10		26.32	--	--	--	--	--	--
	02/07/01	9.81		26.61	--	--	--	--	--	--
	05/09/01	9.58		26.84	--	--	--	--	--	--
	08/24/01	11.12		25.30	--	--	--	--	--	--
	11/16/01	10.84		25.58	--	--	--	--	--	--
	02/21/02	8.68		27.74	--	--	--	--	--	--
	05/10/02	9.71		26.71	--	--	--	--	--	--
	08/26/02	10.85		25.57	--	--	--	--	--	--
	11/07/02	10.89		25.53	--	--	--	--	--	--
	02/14/03	8.72		27.70	--	--	--	--	--	--
	05/12/03	8.25		28.17	--	--	--	--	--	--
MW-4	05/04/91	--	7.0-19.5	--	6,300	ND	ND	2.8	61	--
	09/19/91	--		--	1,800	0.83	ND	54	46	--
	12/18/91	--		--	2,500	28	2.5	54	22	--
	03/17/92	--		--	1,800	3.7	1.4	90	21	--
	05/19/92	--		--	2,000	20	3.5	42	8.3	--
	08/20/92	--		--	1,000	15	ND	11	3.0	--
37.40	09/16/92	14.31		23.09	--	--	--	--	--	--
	10/12/92	14.72		22.68	--	--	--	--	--	--
	11/10/92	14.57		22.83	690	9.1	ND	16	2.8	--
	12/10/92	13.67		23.73	--	--	--	--	--	--
	01/15/93	10.62		26.78	--	--	--	--	--	--
	02/20/93	9.59		27.81	2,400	40	2.1	33	ND	--
	03/18/93	9.97		27.43	--	--	--	--	--	--
	04/20/93	9.67		27.73	--	--	--	--	--	--
	05/21/93	10.32		27.08	1,900	31	ND	20	4.5	--

Table 1
 Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	06/22/93	10.91	7.0-19.5	26.49	--	--	--	--	--	--
(cont)	07/23/93	11.38		26.02	--	--	--	--	--	--
	08/23/93	11.86		25.54	1,200	5.0	ND	16	ND	--
37.04	09/24/93	11.85		25.19	--	--	--	--	--	--
	11/23/93	12.44		24.60	720	10	ND	8.7	ND	--
	02/24/94	9.89		27.15	1,300	8.9	ND	20	ND	--
	05/25/94	11.02		26.02	1,700	22	ND	4.5	ND	--
	08/23/94	12.57		24.47	690	9.2	1.3	7.1	1.9	--
	11/23/94	11.65		25.39	420	5.0	1.1	4.2	1.2	--
	02/03/95	8.52		28.52	620	6.4	ND	9.3	ND	--
	05/10/95	9.97		27.07	280	2.8	ND	2.7	2.4	--
	08/02/95	10.18		26.86	290	3.6	ND	2.8	ND	--
	11/02/95	11.67		25.37	42,000	390	210	2,800	6,300	270
	02/08/96	8.15		28.89	130	2.1	ND	1.5	0.69	ND
	05/08/96	INACCESSIBLE		--	--	--	--	--	--	--
	08/09/96	10.24		26.80	ND	ND	ND	ND	ND	ND
	11/07/96	11.58		25.46	ND	ND	ND	ND	ND	ND
	02/10-11/97	8.45		28.59	ND	ND	ND	ND	ND	ND
	05/07/97	9.85		27.19	ND	ND	ND	ND	ND	ND
	08/05/97	11.04		26.00	50	0.76	ND	ND	ND	ND
	11/04/97	11.46		25.58	ND	ND	ND	ND	ND	ND
	02/12/98	5.75		31.29	ND	ND	ND	ND	ND	ND
37.04	05/15/98	7.28		29.76	ND	ND	ND	ND	ND	ND
	08/12/98	9.85		27.19	ND	ND	ND	ND	ND	ND
	11/12/98	10.28		26.76	ND	ND	ND	ND	ND	ND
	03/01/99	8.51		28.53	ND	ND	ND	ND	ND	ND
	05/12/99	9.32		27.72	ND	ND	ND	ND	ND	ND
	08/11/99	10.65		26.39	ND	ND	ND	ND	ND	ND
	11/04/99	11.48		25.56	ND	ND	ND	ND	ND	ND
	02/29/00	NOT MONITORED/SAMPLE		--	--	--	--	--	--	--
	08/08/00	10.67		26.37	--	--	--	--	--	--
	11/06/00	10.56		26.48	--	--	--	--	--	--
	02/07/01	10.40		26.64	--	--	--	--	--	--

Groundwater Monitoring Data and Analytical Results
 Losco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	05/09/01	9.16		27.88	--	--	--	--	--	--
(cont)	08/24/01	11.80	7.0-19.5	25.24	--	--	--	--	--	--
	11/16/01	10.46		26.58	--	--	--	--	--	--
	02/21/02	9.37		27.67	--	--	--	--	--	--
	05/10/02	10.41		26.63	--	--	--	--	--	--
	08/26/02	11.55		25.49	--	--	--	--	--	--
	11/07/02	10.44		26.60	--	--	--	--	--	--
	02/14/03	9.28		27.76	--	--	--	--	--	--
	05/12/03	8.69		28.35	--	--	--	--	--	--
MW-5	05/04/91	--	7.0-22.5	--	69,000	1,400	2,500	3,500	15,000	--
	09/19/91	--		--	57,000	1,600	2,700	5,200	20,000	--
	12/18/91	--		--	31,000	1,600	3,100	4,800	19,000	--
	03/17/92	--		--	81,000	850	1,600	4,800	18,000	--
	05/19/92	--		--	84,000	760	1,500	4,000	17,000	--
	08/20/92	--		--	58,000	660	1,700	4,200	19,000	--
36.40	09/16/92	13.37		23.03	--	--	--	--	--	--
	10/12/92	13.75		22.65	--	--	--	--	--	--
	11/10/92	13.68		22.72	57,000	800	1,800	4,400	18,000	--
	12/10/92	12.58		23.82	--	--	--	--	--	--
	01/15/93	9.71		26.69	--	--	--	--	--	--
	02/20/93	8.69		27.71	17,000	75	NID	1,000	620	--
	03/18/93	9.16		27.24	--	--	--	--	--	--
	04/20/93	8.88		27.52	--	--	--	--	--	--
	05/21/93	9.56		26.84	55,000	NID	160	3,500	12,000	--
	06/22/93	10.05		26.35	--	--	--	--	--	--
	07/23/93	10.53		25.87	--	--	--	--	--	--
	08/23/93	10.98		25.42	61,000	340	380	3,600	14,000	--
35.94	09/24/93	10.94		25.00	--	--	--	--	--	--
	11/23/93	11.45		24.49	46,000	290	310	4,100	15,000	--
	02/24/94	9.02		26.92	57,000	140	400	4,400	16,000	--
	05/25/94	10.03		25.91	53,000	NID	NID	4,000	14,000	--

Title
 Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	08/23/94	11.57	7.0-22.5	24.37	61,000	360	380	4,800	17,000	--
(cont)	11/23/94	10.71		25.23	46,000	230	260	3,900	14,000	--
	02/03/95	7.69		28.25	56,000	140	330	3,500	13,000	--
	05/10/95	8.20		27.74	27,000	160	170	2,200	5,200	--
	08/02/95	9.23		26.71	65,000	260	300	3,500	12,000	--
	11/02/95	10.70		25.24	240	0.76	ND	1.1	ND	ND
	02/08/96	7.36		28.58	54,000	210	150	3,400	12,000	170
	05/08/96	8.25		27.69	52,000	170	200	3,600	11,000	170
	08/09/96	9.37		26.57	25,000	54	16	1,700	4,700	ND
	11/07/96	10.65		25.29	2,100	42	ND	9.3	ND	2,300
	02/10-11/97	7.63		28.31	15,000	46	29	1,400	4,100	ND
	05/07/97	8.98		26.96	38,000	120	ND	2,000	5,100	380
	08/05/97	11.08		24.86	310	1.0	ND	17	40	ND
	11/04/97	10.72		25.22	20,000	ND	ND	1,500	2,800	280
	02/12/98	6.08		29.86	33,000	120	ND ⁷	1,700	3,800	ND ⁷
35-92	05/15/98	7.40		28.52	30,000	ND ⁷	ND ⁷	2,200	4,900	ND ⁷
	08/12/98	8.69		27.23	24,000	100	ND ⁷	ND ⁷	3,400	1,000
	11/12/98	9.48		26.44	13,000 ¹³	65	ND ⁷	1,100	1,400	780
	03/01/99	7.54		28.38	29,000	75	ND ⁷	2,000	4,100	690
	05/12/99	8.48		27.44	19,000	110	ND ⁷	990	1,900	330
	08/11/99	9.74		26.18	24,300	ND ⁷	ND ⁷	1,540	1,740	ND ⁷
	11/04/99	10.56		25.36	19,500 ¹⁷	37.1	ND ⁷	1,300	1,030	ND ⁷
	02/29/00	7.19		28.73	SAMPLED SEMI-ANNUALLY		--	--	--	--
	05/08/00	8.23		27.69	25,700 ¹¹	37.6	ND ⁷	2,020	3,500	ND ⁷
	08/08/00	9.51		26.41	--	--	--	--	--	--
	11/06/00	10.04		25.88	14,100 ¹¹	37.1	ND ⁷	1,250	497	ND ⁷
	02/07/01	9.23		26.69	--	--	--	--	--	--
	05/09/01	9.44		26.48	15,600 ¹¹	ND ⁷	ND ⁷	1,290	476	ND ⁷
	08/24/01	10.75		25.17	SAMPLED SEMI-ANNUALLY		--	--	--	--
	11/16/01	10.93		24.99	15,000 ¹¹	40	<25	1,100	54	<250
	02/21/02	8.52		27.40	--	--	--	--	--	--
	05/10/02	9.47		26.45	23,000 ¹¹	86	<25	1,500	450	<250
	08/26/02	10.60		25.32	SAMPLED SEMI-ANNUALLY		--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
 Losco (Unocal) Service Station # 3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. hgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	11/07/02 ²¹	10.83	7.0-22.5	25.09	8,000 ²²	<2.5	<2.5	650	<5.0	<10
(cont)	02/14/03	8.70		27.22	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	05/12/03 ²¹	8.62		27.30	10,000 ²²	<25	<25	1,200	<50	<100
MW-6	05/19/92	--	8.0-20.0	--	1,300	2.0	2.1	ND	2.7	--
	08/20/92	--		--	280	8.4	ND	0.51	0.84	--
36.03	09/16/92	12.91		23.12	--	--	--	--	--	--
	10/12/92	13.28		22.75	--	--	--	--	--	--
	11/10/92	13.18		22.85	490	7.0	1.2	1.7	ND	--
	12/10/92	12.33		23.70	--	--	--	--	--	--
	01/15/93	9.25		26.78	--	--	--	--	--	--
	02/20/93	8.24		27.79	2,400	4.3	ND	3.3	2.0	--
	03/18/93	8.74		27.29	--	--	--	--	--	--
	04/20/93	8.12		27.91	--	--	--	--	--	--
	05/21/93	8.83		27.20	940	18	1.0	7.1	2.7	--
	06/22/93	9.38		26.65	--	--	--	--	--	--
	07/23/93	9.87		26.16	--	--	--	--	--	--
	08/23/93	10.35		25.68	1,000	9.4	2.3	5.0	2.3	--
35.67	09/24/93	10.34		25.33	--	--	--	--	--	--
	11/23/93	10.96		24.71	520	ND	1.7	1.9	0.82	--
	02/24/94 ⁵	8.39		27.28	810	12	ND	2.6	0.77	--
	05/25/94	9.55		26.12	500	11	ND	ND	0.73	--
	08/23/94	10.97		24.70	570	8.8	2.5	3.2	2.6	--
	11/23/94	10.21		25.46	460	6.4	1.1	1.9	1.1	--
	02/03/95	6.99		28.68	660	4.8	1.3	1.4	ND	--
	05/10/95	7.53		28.14	470	ND	0.65	1.4	0.67	--
	08/02/95	8.68		26.99	360	3.2	ND	1.6	ND	--
	11/02/95	10.20		25.47	470	ND	0.92	0.89	0.58	5.5
	02/08/96	6.66		29.01	450	3.1	ND	1.1	0.68	ND
	05/08/96	7.40		28.27	ND	ND	ND	ND	ND	ND
	08/09/96	8.72		26.95	ND	ND	ND	ND	ND	ND
	11/07/96	10.12		25.55	ND	ND	ND	ND	ND	ND

Table 1
 Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	02/10-11/97	6.88	8.0-20.0	28.79	ND	ND	ND	ND	ND	ND
(cont)	05/07/97	8.32		27.35	ND	ND	1.1	ND	ND	ND
	08/05/97	9.64		26.03	55	0.79	ND	ND	ND	ND
	11/04/97	10.30		25.37	ND	ND	ND	ND	ND	ND
	02/12/98	5.10		30.57	ND	ND	ND	ND	ND	ND
35.68	05/15/98	6.61		29.07	ND	ND	ND	ND	ND	ND
	08/12/98	8.02		27.66	ND	ND	ND	ND	ND	ND
	11/12/98	8.74		26.94	ND	ND	ND	ND	ND	ND
	03/01/99	7.22		28.46	ND	ND	ND	ND	ND	ND
	05/12/99	8.05		27.63	ND	ND	ND	ND	ND	ND
	08/11/99	9.53		26.15	ND	ND	ND	ND	ND	ND
	11/04/99	10.44		25.24	ND	ND	ND	ND	ND	ND
	02/29/00	NOT MONITORED/SAMPLE		--	--	--	--	--	--	--
	08/08/00	9.16		26.52	--	--	--	--	--	--
	11/06/00	9.28		26.40	--	--	--	--	--	--
	02/07/01	9.18		26.50	--	--	--	--	--	--
	05/09/01	8.76		26.92	--	--	--	--	--	--
	08/24/01	10.33		25.35	--	--	--	--	--	--
	11/16/01	9.97		25.71	--	--	--	--	--	--
	02/21/02	7.86		27.82	--	--	--	--	--	--
	05/10/02	8.93		26.75	--	--	--	--	--	--
	08/26/02	10.09		25.59	--	--	--	--	--	--
	11/07/02	9.93		25.75	--	--	--	--	--	--
	02/14/03	7.90		27.78	--	--	--	--	--	--
	05/12/03	7.51		28.17	--	--	--	--	--	--
MW-7	05/19/92	--	11.0-21.5	--	17,000	540	90	1,200	1,900	--
	08/20/92	--		--	13,000	460	54	ND	3,100	--
36.40	09/16/92	13.23		23.17	--	--	--	--	--	--
	10/12/92	13.65		22.75	--	--	--	--	--	--
	11/10/92	13.54		22.86	1,800	74	ND	230	350	--
	12/10/92	12.52		23.88	--	--	--	--	--	--

Table 1
 Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7	01/15/93	9.59	11.0-21.5	26.81	--	--	--	--	--	--
(cont)	02/20/93	8.55		27.85	1,800	37	4.6	11	7.7	--
	03/18/93	8.98		27.42	--	--	--	--	--	--
	04/20/93	8.52		27.88	--	--	--	--	--	--
	05/21/93	9.16		27.24	22,000	330	37	2,100	2,900	--
	06/22/93	9.66		26.74	--	--	--	--	--	--
	07/23/93	10.15		26.25	--	--	--	--	--	--
	08/23/93	10.65		25.75	33,000	360	ND	2,500	4,300	--
36.09	09/24/93	10.77		25.32	--	--	--	--	--	--
	11/23/93	11.28		24.81	19,000	310	30	2,500	2,300	--
	02/24/94 ⁵	8.95		27.14	16,000	220	19	2,400	3,200	--
	05/25/94	10.00		26.09	14,000	200	ND	1,500	1,800	--
	08/23/94	11.43		24.66	19,000	210	50	2,000	2,800	--
	11/23/94	10.69		25.40	10,000	220	ND	1,000	730	--
	02/03/95	7.49		28.60	26,000	170	ND	2,300	3,700	--
	05/10/95	7.88		28.21	1,300	13	1.5	170	230	--
	08/02/95	9.02		27.07	15,000	200	ND	2,200	2,000	--
	11/02/95	10.55		25.54	18,000	190	9.4	2,100	2,200	72
	02/08/96	7.13		28.96	19,000	150	ND	2,100	3,000	ND
	05/08/96	7.11		28.98	13,000	130	18	1,900	1,600	85
	08/09/96	9.07		27.02	11,000	67	ND	1,700	1,800	ND
	11/07/96	10.76		25.33	32,000	160	ND	3,300	8,400	570
	02/10-11/97	7.22		28.87	7,100	55	ND	ND	620	ND
	05/07/97	8.47		27.62	6,000	74	ND	560	330	250
	08/05/97	10.25		25.84	5,000	66	ND	420	240	ND
	11/04/97	10.69		25.40	20,000	67	ND	2,300	4,300	430
	02/12/98	5.02		31.07	5,500	95	ND ⁷	150	110	ND ⁷
36.06	05/15/98	6.98		29.08	1,300	ND ⁷	ND ⁷	69	64	88
	08/12/98	8.42		27.64	1,400	12	2.3	67	ND ⁷	30
	11/12/98	9.10		26.96	6,300 ¹³	63	ND ⁷	230	100	ND ⁷
	03/01/99	7.14		28.92	1,000	24	ND ⁷	23	26	39
	05/12/99	8.07		27.99	4,700	79	ND ⁷	120	210	210
	08/11/99	9.44		26.62	4,700 ¹⁷	61.6	ND ⁷	58.2	23.6	187

Table 1
 Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station # 3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7	11/04/99	10.38	11.0-21.5	25.68	5,980 ¹¹	56.3	ND ⁷	44.5	21.2	194
(cont)	02/29/00	7.06		29.00	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	05/08/00	8.15		27.91	6,600 ¹¹	80.0	ND ⁷	99.6	66.5	ND ⁷
	08/08/00	9.21		26.85	--	--	--	--	--	--
	11/06/00	9.77		26.29	6,030 ¹¹	56.3	ND ⁷	156	63.1	281
	02/07/01	9.02		27.04	--	--	--	--	--	--
	05/09/01	9.38		26.68	7,460 ¹¹	45.0	ND ⁷	186	94.4	ND ⁷
	08/24/01	10.73		25.33	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	11/16/01	10.97		25.09	8,000 ¹¹	50	<10	61	18	<100
	02/21/02	8.60		27.46	--	--	--	--	--	--
	05/10/02	9.28		26.78	7,100 ¹¹	<5.0	<5.0	140	63	<50
	08/26/02	10.40		25.66	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	11/07/02 ²¹	10.95		25.11	3,400 ²²	3.1	<0.50	25	7.8	<2.0
	02/14/03	8.82		27.24	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	05/12/03 ²¹	8.46		27.60	4,900	3.7	0.74	130	47	<2.0
MW-8	05/19/92	--	8.0-19.0	--	5,300	28	3.3	2.6	2.1	--
	08/20/92	--		--	3,500 ¹	67	11	ND	ND	--
37.14	09/16/92	14.13		23.01	--	--	--	--	--	--
	10/12/92	14.51		22.63	--	--	--	--	--	--
	11/10/92	14.46		22.68	1,800	20	ND	ND	ND	--
	12/10/92	13.51		23.63	--	--	--	--	--	--
	01/15/93	10.50		26.64	--	--	--	--	--	--
	02/20/93	9.50		27.64	2,200	32	ND	42	5.0	--
	03/18/93	9.89		27.25	--	--	--	--	--	--
	04/20/93	9.91		27.23	--	--	--	--	--	--
	05/21/93	10.40		26.74	2,500	44	ND	ND	ND	--
	06/22/93	10.86		26.28	--	--	--	--	--	--
	07/23/93	11.29		25.85	--	--	--	--	--	--
	08/23/93	11.76		25.38	280 ¹	49	4.5	ND	ND	--
36.89	09/24/93	12.00		24.89	--	--	--	--	--	--
	11/23/93	12.38		24.51	1,800	ND	3.4	ND	ND	--

Table I
Groundwater Monitoring Data and Analytical Results
Fosco (Unocal) Service Station #3292
15008 East 14th Street
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPII-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	02/24/94	10.44	8.0-19.0	26.45	1,200	10	2.3	ND	3.2	--
(cont)	05/25/94	11.12		25.77	14,000	29	ND	ND	ND	--
	08/23/94	12.61		24.28	3,200	46	18	2.0	7.2	--
	11/23/94	11.98		24.91	1,700	34	ND	ND	3.1	--
	02/03/95	9.16		27.73	800	6.1	ND	ND	ND	--
	05/10/95	9.35		27.54	1,400	15	1.5	0.65	0.84	--
	08/02/95	10.40		26.49	690	8.3	1.9	ND	ND	--
	11/02/95	11.80		25.09	1,200	ND	1.9	0.56	ND	6.4
	02/08/96	8.98		27.91	--	--	--	--	--	--
	02/14/96 ⁶	9.24		27.65	650	9.0	1.2	ND	0.52	ND
	05/08/96	9.46		27.43	1,200	0.7	35	2.2	3.0	ND
	08/09/96	10.47		26.42	350	ND	12	0.81	0.95	ND
	11/07/96	11.71		25.18	1,000	23	ND	ND	ND	ND
	02/10-11/97	8.84		28.05	630	13	ND	ND	8.1	ND
	05/07/97	10.12		26.77	1,200 ¹	26	3.4	ND	20	20
	08/05/97	11.26		25.63	590 ¹	9.8	ND	ND	ND	ND
	11/04/97	11.58		25.31	640	14	1.9	5.7	11	ND
	02/12/98	7.34		29.55	770 ⁸	20	3.0	ND ⁷	ND ⁷	ND ⁷
36-87	05/15/98	8.67		28.20	840 ⁸	10	ND ⁷	ND ⁷	3.1	ND ⁷
	08/12/98	9.78		27.09	240 ¹⁰	0.75	ND	ND	ND	ND
	11/12/98	10.62		26.25	300	14	2.0	ND ⁷	ND ⁷	ND ⁷
	03/01/99	9.02		27.85	1,100	22	4.6	2.1	4.9	12
	05/12/99	9.65		27.22	650	17	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/11/99	10.85		26.02	168	6.68	ND	0.544	ND	ND
	11/04/99	11.72		25.15	1,010 ¹¹	15.8	2.28	ND ⁷	ND ⁷	16.2
	02/29/00	8.25		28.62	SAMPLED SEMI-ANNUALLY		--	--	--	--
	05/08/00	9.21		27.66	199 ¹⁹	6.26	ND	ND	ND	ND
	08/08/00	10.35		26.52	--	--	--	--	--	--
	11/06/00	10.76		26.11	797 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	02/07/01	10.16		26.71	--	--	--	--	--	--
	05/09/01	10.62		26.25	695 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/24/01	11.97		24.90	SAMPLED SEMI-ANNUALLY		--	--	--	--
	11/16/01	12.27		24.60	1,000 ¹⁹	<2.0	<2.0	<2.0	<2.0	<2.0

Groundwater Monitoring Data and Analytical Results
 Posco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	02/21/02	10.03	8.0-19.0	26.84	--	--	--	--	--	--
(cont)	05/10/02	10.63		26.24	400 ¹⁹	<0.50	0.78	<0.50	<0.50	5.0
	08/26/02	11.80		25.07	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	11/07/02 ²¹	11.97		24.90	200 ²¹	<0.50	<0.50	<0.50	<1.0	5.0
	02/14/03	9.97		26.90	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	05/12/03 ²¹	9.58		27.29	730 ²²	<0.50	<0.50	<0.50	<1.0	<2.0
MW-9	05/19/92	--	8.0-19.0	--	8,100	11	ND	25	5.8	--
	08/20/92	--		--	3,800 ¹	37	ND	ND	ND	--
36 92	09/16/92	13.90		23.02	--	--	--	--	--	--
	10/12/92	14.28		22.64	--	--	--	--	--	--
	11/10/92	14.22		22.70	4,200	ND	ND	21	23	--
	12/10/92	13.40		23.52	--	--	--	--	--	--
	01/15/93	10.24		26.68	--	--	--	--	--	--
	02/20/93	9.22		27.70	2,300	47	ND	32	ND	--
	03/18/93	9.55		27.37	--	--	--	--	--	--
	04/20/93	9.62		27.30	--	--	--	--	--	--
	05/21/93	10.16		26.76	3,200	32	ND	8.1	ND	--
	06/22/93	10.62		26.30	--	--	--	--	--	--
	07/23/93	11.07		25.85	--	--	--	--	--	--
	08/23/93	11.54		25.38	3,000	29	ND	ND	ND	--
36 29	09/24/93	11.18		25.11	--	--	--	--	--	--
	11/23/93	11.80		24.49	2,500	23	2.1	ND	ND	--
	02/24/94	9.74		26.55	2,900	35	ND	ND	ND	--
	05/25/94	10.48		25.81	ND	ND	ND	ND	ND	--
	08/23/94	11.99		24.30	2,800	28	32	ND	ND	--
	11/23/94	11.31		24.98	2,000	24	2.2	2.2	2.5	--
	02/03/95	8.45		27.84	2,100	26	2.5	ND	ND	--
	05/10/95	8.70		27.59	1,700	0.81	2.2	1.0	1.4	--
	08/02/95	9.75		26.54	1,900	26	6.6	ND	3.9	--
	11/02/95	11.16		25.13	1,600	ND	1.3	ND	ND	11
	02/08/96	8.15		28.14	1,900	ND	ND	ND	ND	ND

Table 1
 Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station # U292
 15008 East 14th Street
 San Leandro, California

WELL ID/ FOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	05/08/96	8.75	8.0-19.0	27.54	1,700	1.9	22	1.7	2.7	ND
(cont)	08/09/96	9.84		26.45	200	ND	4.5	ND	0.58	ND
	11/07/96	11.10		25.19	920	24	ND	ND	ND	ND
	02/10-11/97	8.15		28.14	580	14	2.4	ND	ND	16
	05/07/97	9.45		26.84	810	11	3.9	1.7	9.9	13
	08/05/97	10.70		25.59	850 ¹	21	ND	ND	ND	33
	11/04/97	11.05		25.24	730	11	ND	5.1	11	ND
	02/12/98	6.60		29.69	820 ⁸	23	3.2	ND ⁷	ND ⁷	18
36.27	05/15/98	8.01		28.26	390	5.5	1.2	ND	13	13
	08/12/98	9.18		27.09	780	14	ND	0.52	ND	12
	11/12/98	9.91		26.36	180	6.3	ND	ND	0.62	8.1
	03/01/99	8.34		27.93	790 ⁸	24	ND	ND	1.7	32
	05/12/99	9.04		27.23	930 ¹⁶	13	2.2	1.2	1.5	10
	08/11/99	10.25		26.02	1,120	19.7	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	11/04/99	11.10		25.17	756 ¹¹	14.2	1.94	ND ⁷	ND ⁷	22.8
	02/29/00	8.12		28.15	955 ¹⁹	22.9	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	05/08/00	9.09		27.18	895 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/08/00	10.08		26.19	630 ¹¹	18.2	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	11/06/00	10.52		25.75	712 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	02/07/01	9.78		26.49	750 ¹⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	66
	05/09/01	9.98		26.29	704 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/24/01	11.34		24.93	770 ¹⁹	<1.2	<1.2	<1.2	<1.2	<12
	11/16/01	11.63		24.64	540 ¹⁹	<1.0	<1.0	<1.0	<1.0	<10
	02/21/02	9.35		26.92	380 ¹⁹	<0.50	<0.50	<0.50	<0.50	<5.0
	05/10/02	10.00		26.27	300 ¹⁹	<0.50	0.67	<0.50	<0.50	<5.0
	08/26/02 ²¹	11.17		25.10	680	<0.50	<0.50	<0.50	<1.0	<2.0
	11/07/02 ²¹	11.56		24.71	250 ²²	<0.50	<0.50	<0.50	<1.0	<2.0
	02/14/03 ²¹	9.41		26.86	460 ²²	<0.50	<0.50	<0.50	<1.0	<2.0
	05/12/03 ²¹	9.22		27.05	720	<0.50	<0.50	<0.50	<1.0	<2.0

Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station # 3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.L. (ft. bgs)	GWE (msl)	TPH-C (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	08/20/92	--	8 0-20 0	--	15,000	230	ND	1,000	350	--
36.26	09/16/92	13.28		22.98	--	--	--	--	--	--
	10/12/92	13.67		22.59	--	--	--	--	--	--
	11/10/92	13.59		22.67	15,000	300	42	3,500	330	--
	12/10/92	12.53		23.73	--	--	--	--	--	--
	01/15/93	9.60		26.66	--	--	--	--	--	--
	02/20/93	8.57		27.69	17,000	74	ND	1,000	620	--
	03/18/93	9.03		27.23	--	--	--	--	--	--
	04/20/93	9.09		27.17	--	--	--	--	--	--
	05/21/93	9.63		26.63	23,000	250	ND	3,000	240	--
	06/22/93	10.12		26.14	--	--	--	--	--	--
	07/23/93	10.54		25.72	--	--	--	--	--	--
	08/23/93	10.99		25.27	20,000	230	13	3,200	140	--
36.04	09/24/93	11.17		24.87	--	--	--	--	--	--
	11/23/93	11.67		24.37	18,000	300	10	2,800	110	--
	02/24/94	9.57		26.47	15,000	330	19	2,000	83	--
	05/25/94	10.32		25.72	14,000	240	ND	230	62	--
	08/23/94	11.81		24.23	16,000	250	41	1,800	74	--
	11/23/94	11.10		24.94	16,000	260	ND	1,600	49	--
	02/03/95	8.32		27.72	17,000	310	ND	1,500	93	--
	05/10/95	8.70		27.34	12,000	260	16	1,200	54	--
	08/02/95	9.55		26.49	8,900	240	ND	780	40	--
	11/02/95	11.03		25.01	9,300	190	ND	470	1.7	110
	02/08/96	8.05		27.99	9,700	170	ND	440	ND	ND
	05/08/96	8.70		27.34	7,100	100	ND	240	ND	43
	08/09/96	9.76		26.28	4,400	59	7.5	110	6.5	73
	11/07/96	10.92		25.12	6,300	65	ND	110	ND	130
	02/10-11/97	8.10		27.94	6,800	91	ND	100	ND	210
	05/07/97	9.28		26.76	4,800	76	ND	50	ND	160
	08/05/97	10.51		25.53	4,200	52	ND	40	ND	81
	11/04/97	11.02		25.02	4,500	49	ND	63	ND	84
	02/12/98	6.85		29.19	6,200	98	ND ⁷	91	ND ⁷	420
36.02	05/15/98	8.05		27.97	7,200	84	ND ⁷	84	ND ⁷	260

Table 1
 Groundwater Monitoring Data and Analytical Results
 Losco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPII-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	08/12/98	9.27	8.0-20.0	26.75	7,500	6.9	11	47	ND ⁷	130
(cont)	11/12/98	10.03		25.99	4,200 ¹³	23	ND ⁷	24	ND ⁷	130
	03/01/99	8.56		27.46	5,900 ⁸	37	ND ⁷	50	26	300
	05/12/99	8.92		27.10	7,400 ¹⁶	37	ND ⁷	32	ND ⁷	170
	08/11/99	10.10		25.92	5,060	38.1	ND ⁷	12.9	ND ⁷	75.5
	11/04/99	11.03		24.99	6,190 ¹¹	76.7	8.01	13.4	ND ⁷	234
	02/29/00	9.67		26.35	7,120 ¹¹	27.8	ND ⁷	24.7	ND ⁷	208
	05/08/00	10.54		25.48	5,830 ¹¹	51.7	10.6	24.7	24.8	142
	08/08/00	10.92		25.10	5,010 ¹¹	50.6	ND ⁷	13.9	ND ⁷	113
	11/06/00	11.34		24.68	6,260 ¹¹	47.9	ND ⁷	12.5	ND ⁷	118
	02/07/01	10.75		25.27	4,800 ¹⁷	56	10	ND ⁷	ND ⁷	780
	05/09/01	9.84		26.18	6,810 ¹¹	52.4	ND ⁷	ND ⁷	ND ⁷	161
	08/24/01	11.16		24.86	5,600 ¹¹	56	<10	<10	<10	<100
	11/16/01	11.38		24.64	5,600 ¹¹	49	<10	<10	<10	190
	02/21/02	9.20		26.82	5,000 ¹¹	38	<5.0	8.5	<5.0	140
	05/10/02	9.87		26.15	5,300 ¹¹	57	6.3	8.2	<5.0	<50
	08/26/02 ²¹	11.02		25.00	7,000	<5.0	<5.0	5.4	<10	<20
	11/07/02 ²¹	11.32		24.70	3,500 ²²	<2.5	<2.5	<2.5	<5.0	<10
	02/14/03 ²¹	9.36		26.66	5,200 ²²	<5.0	<5.0	<5.0	<10	<20
	05/12/03 ²¹	9.12		26.90	4,300	2.6	0.56	2.9	<1.0	4.8
MW-11	08/20/92	--	7.0-19.0	--	4,600 ¹	62	ND	ND	54	--
35.83	09/16/92	12.93		22.90	--	--	--	--	--	--
	10/12/92	13.30		22.53	--	--	--	--	--	--
	11/10/92	13.20		22.63	5,800	130	ND	260	42	--
	12/10/92	12.24		23.59	--	--	--	--	--	--
	01/15/93	9.23		26.60	--	--	--	--	--	--
	02/20/93	8.20		27.63	18,000	76	ND	1,000	630	--
	03/18/93	8.77		27.06	--	--	--	--	--	--
	04/20/93	8.86		26.97	--	--	--	--	--	--
	05/21/93	9.40		26.43	7,100	64	ND	340	120	--
	06/22/93	9.87		25.96	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station # 3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-11	07/23/93	10.29	7.0-19.0	25.54	--	--	--	--	--	--
(cont)	08/23/93	10.73		25.10	5,400	68	ND	230	43	--
35.50	09/24/93	10.83		24.67	--	--	--	--	--	--
	11/23/93	11.28		24.22	3,400	105	ND	120	43	--
	02/24/94	9.20		26.30	4,600	170	ND	140	36	--
	05/25/94	9.94		25.56	1,400	49	ND	26	ND	--
	08/23/94	11.39		24.11	7,300	250	13	150	42	--
	11/23/94	10.67		24.83	5,800	250	10	120	22	--
	02/03/95	8.02		27.48	4,400	110	ND	150	37	--
	05/10/95	8.36		27.14	4,200	120	ND	170	38	--
	08/02/95	9.41		26.19	4,200	110	ND	110	22	--
	11/02/95	10.85		24.65	6,100	150	ND	78	6.8	6,200
	02/08/96	7.76		27.74	--	--	--	--	--	--
	02/14/96 ⁶	8.18		27.32	3,100	60	ND	98	ND	4,000
	05/08/96	8.50		27.00	3,500	120	ND	160	ND	6,400
	08/09/96	9.46		26.04	1,100	42	ND	15	ND	4,300
	11/07/96	10.58		24.92	2,900	57	ND	13	ND	3,400
	02/10-11/97	7.88		27.62	600	9.5	ND	ND	ND	3,100
	05/07/97	9.07		26.43	1,900	45	ND	31	ND	2,400
	08/05/97	10.23		25.27	2,100	35	ND	24	ND	1,800
	11/04/97	10.51		24.99	98	1.6	ND	ND	ND	ND
	02/12/98	6.59		28.91	670	12	ND ⁷	ND ⁷	ND ⁷	1,400
35.50	05/15/98	7.73		27.77	1,200 ⁹	7.9	ND ⁷	30	ND ⁷	1,600
	08/12/98	8.85		26.65	1,600 ¹³	ND ⁷	ND ⁷	ND ⁷	ND ⁷	2,000
	11/12/98	9.52		25.98	1,700 ¹³	9.3	ND ⁷	ND ⁷	ND ⁷	1,700
	03/01/99	8.00		27.50	530	4.9	ND ⁷	ND ⁷	ND ⁷	870
	05/12/99	8.64		26.86	900	6.6	ND ⁷	ND ⁷	ND ⁷	840
	08/11/99	9.92		25.58	1,660	5.52	ND ⁷	ND ⁷	ND ⁷	764
	11/04/99	10.88		24.62	2,600 ¹¹	8.71	ND ⁷	2.76	ND ⁷	1,490
	02/29/00	7.56		27.94	420 ¹⁹	ND	ND	ND	ND	1,010
	05/08/00	8.50		27.00	513 ¹¹	3.56	ND ⁷	1.11	ND ⁷	1,320
	08/08/00	9.39		26.11	960 ¹¹	10.0	1.28	ND ⁷	ND ⁷	1,600
	11/06/00	9.81		25.69	3,000 ¹¹	17.7	ND ⁷	ND ⁷	ND ⁷	1,280/1,360 ¹²

Groundwater Monitoring Data and Analytical Results
 Losco (Unocal) Service Station # 3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-11	02/07/01	9.16	7.0-19.0	26.34	1,600 ¹⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	590
(cont)	05/09/01	9.51		25.99	1,010 ¹¹	11.4	ND ⁷	1.24	ND ⁷	586
	08/29/01	10.78		24.72	3,100 ¹¹	2.3	< 5.0	< 5.0	< 5.0	8-10/870 ¹⁴
	11/16/01	10.95		24.55	1,000 ¹¹	9.2	< 2.0	< 2.0	< 2.0	600
	02/21/02	8.85		26.65	1,100 ¹¹	7.4	< 2.5	< 2.5	< 2.5	270
	05/10/02	9.51		25.99	910 ¹⁴	7.4	1.4	2.8	< 1.2	330/270 ¹⁸
	08/26/02 ²¹	10.62		24.88	1,900	< 0.50	< 0.50	0.87	< 1.0	170
	11/07/02 ²¹	10.77		24.73	550 ²²	< 2.5	< 2.5	< 2.5	< 5.0	330
	02/14/03 ²¹	8.97		26.53	2,600	1.8	0.51	1.7	< 1.0	< 2.0
	05/12/03 ²¹	8.90		26.60	< 250	< 2.5	< 2.5	< 2.5	< 5.0	290
MW-2 (SP)										
35.44	05/08/96	9.12	11.0-21.0	26.32	540	0.68	21	1.0	1.7	ND
	08/09/96	9.98		25.46	170	ND	7.8	ND	ND	ND
	11/07/96	10.98		24.46	430	8.9	1.5	ND	ND	10
	02/10-11/97	8.63		26.81	230 ²	4.6	1.0	ND	ND	10
	05/07/97	9.58		25.86	ND	ND	ND	ND	ND	14
	08/05/97	10.62		24.82	360	5.5	50	ND	ND	ND
	11/04/97	11.06		24.38	280	2.9	1.3	ND	0.54	ND
	02/12/98	7.71		27.73	440 ⁸	10	1.6	ND	0.69	13
	05/15/98	8.50		26.94	540 ⁸	10	1.1	ND	1.1	15
	08/12/98	9.43		26.01	ND	ND	ND	ND	ND	ND
	11/12/98	9.98		25.46	300 ¹⁴	6.1	ND ⁷	ND ⁷	4.0	ND ⁷
	03/01/99	8.70		26.74	57	ND	ND	ND	ND	4.5
	05/12/99	9.45		25.99	ND	ND	ND	ND	ND	5.0
	08/11/99	10.08		25.36	337	ND	ND	ND	ND	12.4
	11/04/99	10.91		24.53	317 ¹¹	8.31	ND	ND	ND	7.81
	02/29/00	8.04		27.40	SAMPLED SEMI-ANNUALLY		--	--	--	--
	05/08/00	9.10		26.34	131 ¹⁹	ND	ND	ND	ND	ND/4.83 ¹²
	08/08/00	9.91		25.53	--	--	--	--	--	--
	11/06/00	10.20		25.24	183 ¹⁹	ND	ND	ND	ND	ND
	02/07/01	9.70		25.74	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC** (ft)	DATE	DTW (ft)	S.I. (ft.bgs)	GWE (msl)	TPII-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2 (SP)	05/09/01	9.98	11.0-21.0	25.46	ND	ND	ND	ND	ND	ND
(cont)	08/24/01	11.15		24.29	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	11/16/01	11.31		24.13	250 ¹⁹	<0.50	<0.50	<0.50	<0.50	<5.0
	02/21/02	9.55		25.89	--	--	--	--	--	--
	05/10/02	10.01		25.43	180 ¹⁹	<0.50	<0.50	<0.50	0.71	10
	08/26/02	11.03		24.41	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	11/07/02 ²¹	11.12		24.32	<50	<0.50	<0.50	<0.50	<1.0	5.4
	02/14/03	9.60		25.84	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	05/12/03²¹	9.21		26.23	<50	<0.50	<0.50	<0.50	<1.0	8.4
MW-3 (SP)										
35.81	05/08/96	8.73	11.0-21.0	27.08	4,700	7.9	36	13	4.0	42
	08/09/96	9.73		26.08	2,000	ND	14	7.6	ND	ND
	11/07/96	10.88		24.93	1,800	29	ND	ND	ND	40
	02/10-11/97	8.16		27.65	3,500	70	14	ND	ND	150
	05/07/97	9.35		26.46	3,100	48	ND	ND	ND	110
	08/05/97	10.44		25.37	3,200	43	5.7	ND	ND	61
	11/04/97	10.90		24.91	2,600	34	ND	ND	ND	53
	02/12/98	6.77		29.04	3,200	62	ND ⁷	ND ⁷	ND ⁷	100
35.82	05/15/98	8.02		27.80	ND	ND	ND	ND	ND	2.5
	08/12/98	9.11		26.71	110	ND	4.1	ND	ND ⁷	ND
	11/12/98	9.81		26.01	1,800 ¹⁵	37	2.8	ND ⁷	ND ⁷	55
	03/01/99	8.27		27.55	2,900 ⁸	12	3.6	ND ⁷	ND ⁷	110
	05/12/99	8.92		26.90	4,100 ¹⁶	34	ND ⁷	ND ⁷	ND ⁷	45
	08/11/99	9.59		26.23	3,220	22.8	ND ⁷	ND ⁷	ND ⁷	50.8
	11/04/99	10.86		24.96	2,460 ¹¹	26.6	ND ⁷	ND ⁷	ND ⁷	52.1
	02/29/00	7.92		27.90	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	05/08/00	9.07		26.75	1,080 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	⁷ ND/ND ¹²
	08/08/00	9.86		25.96	--	--	--	--	--	--
	11/06/00	10.12		25.70	3,100 ¹¹	35.0	ND ⁷	ND ⁷	ND ⁷	95.7
	02/07/01	9.65		26.17	--	--	--	--	--	--
	05/09/01	9.79		26.03	3,350 ¹¹	34.0	ND ⁷	ND ⁷	ND ⁷	ND ⁷

Table 1
 Groundwater Monitoring Data and Analytical Results
 Toseco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3 (SP)	08/24/01	11.09	11.0-21.0	24.73	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
(cont)	11/16/01	11.29		24.53	3,300 ¹¹	47	<10	<10	<10	<100
	02/21/02	9.19		26.63	--	--	--	--	--	--
	05/10/02	9.84		25.98	4,700 ¹¹	55	<5.0	<5.0	<5.0	1.10
	08/26/02	10.95		24.87	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	11/07/02 ²¹	11.33		24.49	2,600 ²²	<5.0	<5.0	<5.0	<10	<20
	02/14/03	9.92		25.90	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	05/12/03²¹	9.74		26.08	420²²	<0.50	<0.50	<0.50	<1.0	<2.0
Trip Blank										
TB-LB	02/12/98	--	--	--	ND	ND	ND	ND	ND	ND
	05/15/98	--	--	--	ND	ND	ND	ND	ND	ND
	08/12/98	--	--	--	ND	ND	ND	ND	ND	ND
	11/12/98	--	--	--	ND	ND	0.68	ND	0.51	ND
	03/01/99	--	--	--	ND	ND	ND	ND	ND	ND
	05/12/99	--	--	--	ND	ND	ND	ND	ND	ND
	08/11/99	--	--	--	ND	ND	ND	ND	ND	ND
	11/04/99	--	--	--	ND	ND	ND	ND	ND	ND
	02/29/00	--	--	--	ND	ND	ND	ND	ND	ND
	05/08/00	--	--	--	ND	ND	ND	ND	ND	ND
	08/08/00	--	--	--	ND	ND	ND	ND	ND	ND
	11/06/00	--	--	--	ND	ND	ND	ND	ND	ND
	02/07/01	--	--	--	ND	ND	ND	ND	ND	ND
	05/09/01	--	--	--	ND	ND	ND	ND	ND	ND
	08/24/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	11/16/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	02/21/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	05/10/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	08/26/02 ²¹	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

Groundwater Monitoring Data and Analytical Results

Fosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to February 12, 1998, were compiled from reports prepared by MPDS Services, Inc

TOC = Top of Casing

TPH-G = Total Petroleum Hydrocarbons as Gasoline

ND = Not Detected

(ft.) = Feet

B = Benzene

-- = Not Measured/Not Analyzed

DTW = Depth to Water

T = Toluene

(SP) = Shadral Property wells

SI = Screen Interval

E = Ethylbenzene

QA = Quality Assurance/Trip Blank

(ft.bgs) = Feet Below Ground Surface

X = Xylenes

GWE = Groundwater Elevation

MTBE = Methyl tertiary butyl ether

(msl) = Mean sea level

(ppb) = Parts per billion

- TOC elevations are relative to msl, per a Benchmark located at the northwest corner of East 14th Street and 150th Avenue, (Elevation = 36.88 feet, msl)
TOC elevations for MW-2 (SP) and MW-3 (SP) are relative to msl, per Chevron monitoring well MW-6 used as a benchmark, (Elevation = 36.92 feet, msl)
East 14th Street and 150th Avenue, (Benchmark Elevation = 36.883 feet, msl) Prior to September 24, 1993, DTW measurements were taken from the top of the well covers
- ¹ Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- ² Laboratory report indicates the hydrocarbons detected did not appear to be gasoline
- ³ The analytical results of the groundwater were inconsistent with the previous analytical results for this well. The laboratory re-analyzed the sample past hold time, therefore the results may be biased low.
- ⁴ The monitoring well was re-sampled on November 20, 1995. The vial containing the water sample collected from this well on November 2, 1995, was inadvertently broken by the laboratory.
- ⁵ All EPA Method 8010 constituents were ND.
- ⁶ The monitoring wells MW-8 and MW-11 were re-sampled on February 14, 1996. The vials containing the water samples collected from the wells on February 8, 1996, were inadvertently broken by the laboratory.
- ⁷ Detection limit raised. Refer to analytical reports.
- ⁸ Laboratory report indicates gasoline and unidentified hydrocarbons <C7.
- ⁹ Laboratory report indicates gasoline and discrete peaks C6-C12.
- ¹⁰ Laboratory report indicates gasoline and unidentified hydrocarbons C6-C8.
- ¹¹ Laboratory report indicates weathered gasoline C6-C12.
- ¹² MTBE by EPA Method 8260.
- ¹³ Laboratory report indicates unidentified hydrocarbons >C8.
- ¹⁴ Laboratory report indicates unidentified hydrocarbons >C6.
- ¹⁵ Laboratory report indicates weathered gas and unidentified hydrocarbons >C6.
- ¹⁶ Laboratory report indicates gasoline and unidentified hydrocarbons <C6
- ¹⁷ Laboratory report indicates gasoline C6-C12

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #3292
15008 East 14th Street
San Leandro, California

EXPLANATIONS: (cont)

- ¹⁸ MTBE by EPA Method 8260 analyzed past EPA recommended holding time.
- ¹⁹ Laboratory report indicates unidentified hydrocarbons C6-C12.
- ²⁰ MTBE by EPA Method 8260 analyzed one day past the EPA recommended holding time; sample was inadvertently chosen for MTBE confirmation instead of MW-11.
- ²¹ TPH-G, BTEX and MTBE by EPA Method 8260
- ²² Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel
- ²³ Laboratory report indicates BTEX compounds were found in the QA sample at levels significantly greater than the reporting limits. Because many of the samples themselves were clean for these compounds, it is not likely that this contamination was introduced during transportation.



Customer-Focused Solutions

**FIRST QUARTER 2004
FLUID LEVEL MONITORING AND
GROUNDWATER SAMPLING REPORT**

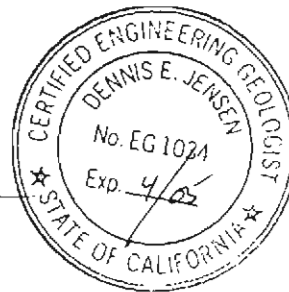
April 12, 2004

76 STATION 3292
15008 East 14th Street
San Leandro, California

Prepared For:

Mr. Thomas H. Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

Summary of Gauging and Sampling Activities
January 2004 through March 2004
76 Station 3292
15008 East 14th Street
San Leandro, CA

Site Information:

Site	76 Station 15008 East 14th Street San Leandro, CA
Project Coordinator/Phone Number:	Thomas H. Kosel/916-558-7666
Groundwater wells onsite:	7
Groundwater wells offsite:	6

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	2/17/04
Groundwater wells gauged:	12
Groundwater wells sampled:	5
Purging method:	diaphragm pump
Treatment/disposal method during sampling event:	Onyx/Rodeo Unit 100
Free product pumpouts other than sampling event:	No
Treatment/Disposal method during free product pumpouts:	N/A

Site Hydrogeology:

Minimum depth to groundwater (feet bgs):	8.38
Maximum depth to groundwater (feet bgs):	10.95
Average groundwater elevation (feet relative to mean sea level):	26.54
Average change in groundwater elevations since previous event (feet):	1.38
Groundwater gradient and flow direction:	0.009 ft/ft, southwest
Previous gradient and/or flow direction (and date):	0.003 ft/ft, southwest (11/13/03)

Groundwater Condition (Benzene Maximum Contaminant Level [MCL] = 1.0 µg/l)

Wells with benzene concentrations below MCL:	4
Wells with benzene concentrations at or above MCL:	1
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	4.1 (MW-10)
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	170 (MW-11)
Minimum TPPH concentration (µg/l):	600
Maximum TPPH concentration (µg/l):	8200 (MW-1)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

MW-2(SP)=Monitored Only, MW-3=Monitored Only, MW-3(SP)=Monitored Only, MW-4=Monitored Only, MW-5=Monitored Only, MW-6=Monitored Only, MW-7=Monitored Only, MW-8=Covered with asphalt,

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

TABLE KEY

ABBREVIATIONS / SYMBOLS

LPH	=	liquid-phase hydrocarbons
µg/l	=	micrograms per liter
mg/l	=	milligrams per liter
ND	=	not detected at or above laboratory detection limit
DTSC	=	Department of Toxic Substances Control
N/A	=	not applicable
Trace	=	less than 0.01 foot of LPH in well
USTs	=	underground storage tanks
--	=	not analyzed, measured, or collected
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
BTEX	=	benzene, toluene, ethylbenzene, and total xylenes
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
MTBE	=	methyl tertiary butyl ether
TAME	=	tertiary amyl methyl ether
ETBE	=	ethyl tertiary butyl ether
DIPE	=	di-isopropyl ether
TBA	=	tertiary butyl alcohol
1,1-DCA	=	1,1-Dichloroethane
1,2-DCA	=	1,2-Dichloroethane
1,1-DCE	=	1,1-Dichloroethene
1,2-DCE	=	cis- and trans-1,2-Dichloroethene
PCE	=	tetrachloroethene
TCA	=	trichloroethane
TCE	=	trichloroethene
PCB	=	polychlorinated biphenyls
TPPH	=	total purgeable petroleum hydrocarbons

NOTES

Elevations are in feet above mean sea level.

Groundwater elevation for wells with LPH is calculated as follows:

$$\text{Surface elevation} - \text{depth to water} + (0.75 \times \text{LPH thickness}).$$

Concentration Graphs have been modified to plot non-detect results at the reporting limit stated in the official laboratory report. All non-detect results prior to the Second Quarter 2000 were plotted at 0.1 µg/l for graphical display.

J = estimated concentration, value is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL)

REFERENCE

TRC began groundwater monitoring and sampling activities in October 2003. Historical data for 76 Station 3292 was provided by Gertler-Ryan Inc., Dublin, California, in an excel table received in September 2003.

Table 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
February 17, 2004
76 Station 3292

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPPH 8260B (µg/l)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2(SP)		(Screen Interval in feet: 11.0-21.0)												
2/17/2004	35.44	9.79	0.00	25.65	--	--	--	--	--	--	--	--	--	Monitored Only
MW-3(SP)		(Screen Interval in feet: 11.0-21.0)												
2/17/2004	35.82	9.54	0.00	26.28	--	--	--	--	--	--	--	--	--	Monitored Only
MW-1		(Screen Interval in feet: 7.0-19.0)												
2/17/2004	36.34	9.35	0.00	26.99	1.86	8200	--	ND<2.5	ND<2.5	84	ND<5.0	--	33	
MW-2		(Screen Interval in feet: 7.0-19.5)												
2/17/2004	36.30	9.17	0.00	27.13	1.89	2800	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-3		(Screen Interval in feet: 7.0-22.5)												
2/17/2004	36.42	9.17	0.00	27.25	--	--	--	--	--	--	--	--	--	Monitored Only
MW-4		(Screen Interval in feet: 7.0-19.5)												
2/17/2004	37.04	9.84	0.00	27.20	--	--	--	--	--	--	--	--	--	Monitored Only
MW-5		(Screen Interval in feet: 7.0-22.5)												
2/17/2004	35.92	8.96	0.00	26.96	1.86	--	--	--	--	--	--	--	--	Monitored Only
MW-6		(Screen Interval in feet: 8.0-20.0)												
2/17/2004	35.68	8.38	0.00	27.30	--	--	--	--	--	--	--	--	--	Monitored Only
MW-7		(Screen Interval in feet: 11.0-21.5)												
2/17/2004	36.06	10.13	0.00	25.93	0.69	--	--	--	--	--	--	--	--	Monitored Only
MW-8		(Screen Interval in feet: 8.0-19.0)												
2/17/2004	36.87	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
MW-9		(Screen Interval in feet: 8.0-19.0)												
2/17/2004	36.27	9.89	0.00	26.38	1.52	600	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-10		(Screen Interval in feet: 8.0-20.0)												
2/17/2004	36.02	10.95	0.00	25.07	0.25	7100	--	4.1	ND<2.5	3.8	ND<5.0	--	ND<10	
MW-11		(Screen Interval in feet: 7.0-19.0)												

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPPH 8260B (µg/l)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-11 continued 2/17/2004	35.50	9.19	0.00	26.31	1.60	830	--	ND<2.5	ND<2.5	3.8	ND<5.0	--	170	

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

August 2003 Through February 2004

76 Station 3292

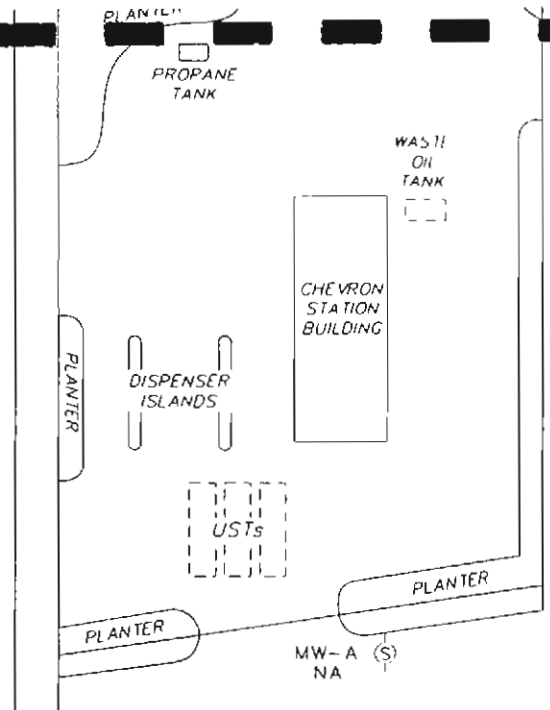
Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPPH 8260B (µg/l)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2(SP) (Screen Interval in feet: 11.0-21.0)														
8/11/2003	35.44	10.87	0.00	24.57	--	--	--	--	--	--	--	--	--	Monitored Only
11/13/2003	35.44	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
2/17/2004	35.44	9.79	0.00	25.65	--	--	--	--	--	--	--	--	--	Monitored Only
MW-3(SP) (Screen Interval in feet: 11.0-21.0)														
8/11/2003	35.82	11.26	0.00	24.56	--	--	--	--	--	--	--	--	--	Monitored Only
11/13/2003	35.82	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
2/17/2004	35.82	9.54	0.00	26.28	--	--	--	--	--	--	--	--	--	Monitored Only
MW-1 (Screen Interval in feet: 7.0-19.0)														
8/11/2003	36.34	10.37	0.00	25.97	--	2900	--	ND<0.50	ND<0.50	4.4	ND<1.0	--	17	
11/13/2003	36.34	11.21	0.00	25.13	-0.84	8100	--	ND<5.0	ND<5.0	45	ND<10	--	82	
2/17/2004	36.34	9.35	0.00	26.99	1.86	8200	--	ND<2.5	ND<2.5	84	ND<5.0	--	33	
MW-2 (Screen Interval in feet: 7.0-19.5)														
8/11/2003	36.30	10.51	0.00	25.79	--	2200	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/13/2003	36.30	11.06	0.00	25.24	-0.55	1100	--	1.2	0.68	0.78	2.6	--	ND<2.0	
2/17/2004	36.30	9.17	0.00	27.13	1.89	2800	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-3 (Screen Interval in feet: 7.0-22.5)														
8/11/2003	36.42	10.64	0.00	25.78	--	--	--	--	--	--	--	--	--	
11/13/2003	36.42	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
2/17/2004	36.42	9.17	0.00	27.25	--	--	--	--	--	--	--	--	--	Monitored Only
MW-4 (Screen Interval in feet: 7.0-19.5)														
8/11/2003	37.04	10.83	0.00	26.21	--	--	--	--	--	--	--	--	--	
11/13/2003	37.04	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
2/17/2004	37.04	9.84	0.00	27.20	--	--	--	--	--	--	--	--	--	Monitored Only
MW-5 (Screen Interval in feet: 7.0-22.5)														
8/11/2003	35.92	10.52	0.00	25.40	--	--	--	--	--	--	--	--	--	Monitored Only

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPPH 8260B (µg/l)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBF 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
11/13/2003	35.92	10.82	0.00	25.10	-0.30	31000	--	ND<20	ND<20	2100	71	--	ND<80	
2/17/2004	35.92	8.96	0.00	26.96	1.86	--	--	--	--	--	--	--	--	Monitored Only
MW-6 (Screen Interval in feet: 8.0-20.0)														
8/11/2003	35.68	9.44	0.00	26.24	--	--	--	--	--	--	--	--	--	
11/13/2003	35.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
2/17/2004	35.68	8.38	0.00	27.30	--	--	--	--	--	--	--	--	--	Monitored Only
MW-7 (Screen Interval in feet: 11.0-21.5)														
8/11/2003	36.06	10.27	0.00	25.79	--	--	--	--	--	--	--	--	--	Monitored Only
11/13/2003	36.06	10.82	0.00	25.24	-0.55	20000	--	10	ND<10	1600	740	--	ND<40	
2/17/2004	36.06	10.13	0.00	25.93	0.69	--	--	--	--	--	--	--	--	Monitored Only
MW-8 (Screen Interval in feet: 8.0-19.0)														
8/11/2003	36.87	11.33	0.00	25.54	--	--	--	--	--	--	--	--	--	Monitored Only
11/13/2003	36.87	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
2/17/2004	36.87	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
MW-9 (Screen Interval in feet: 8.0-19.0)														
8/11/2003	36.27	11.18	0.00	25.09	--	170	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/13/2003	36.27	11.41	0.00	24.86	-0.23	400	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
2/17/2004	36.27	9.89	0.00	26.38	1.52	600	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-10 (Screen Interval in feet: 8.0-20.0)														
8/11/2003	36.02	11.25	0.00	24.77	--	3100	--	1.9	ND<0.50	1.0	1.0	--	4.0	
11/13/2003	36.02	11.20	0.00	24.82	0.05	7300	--	ND<25	ND<25	ND<25	ND<50	--	ND<100	
2/17/2004	36.02	10.95	0.00	25.07	0.25	7100	--	4.1	ND<2.5	3.8	ND<5.0	--	ND<10	
MW-11 (Screen Interval in feet: 7.0-19.0)														
8/11/2003	35.50	11.04	0.00	24.46	--	930	--	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	320	
11/13/2003	35.50	10.79	0.00	24.71	0.25	1300	--	ND<2.5	ND<2.5	5.0	ND<5.0	--	300	
2/17/2004	35.50	9.19	0.00	26.31	1.60	830	--	ND<2.5	ND<2.5	3.8	ND<5.0	--	170	

Table 3
 SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
 76 Station 3292

Date Sampled	EDC	1,2-DCB	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-2(SP) 8/11/2003	--							
MW-3(SP) 8/11/2003	--							
MW-1 8/11/2003	--							ND<500
11/13/2003	--	--	--	--	--	--	--	ND<5000
2/17/2004	--	--	--	--	--	--	--	ND<2500
MW-2 8/11/2003	--							ND<500
11/13/2003	--	--	--	--	--	--	--	ND<500
2/17/2004	--	--	--	--	--	--	--	ND<500
MW-3 8/11/2003	--							
MW-4 8/11/2003	--							
MW-5 8/11/2003	--							
11/13/2003	--	--	--	--	--	--	--	ND<20000
MW-6 8/11/2003	--							
MW-7 8/11/2003	--							
11/13/2003	--	--	--	--	--	--	--	ND<10000
MW-8								

Date Sampled	EDC (µg/l)	1,2-DCB (µg/l)	EDB (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)
MW-8 continued								
8/11/2003	--							
MW-9								
8/11/2003	--							ND<500
11/13/2003	--	--	--	--	--	--	--	ND<500
2/17/2004	--	--	--	--	--	--	--	ND<500
MW-10								
8/11/2003	--							ND<500
11/13/2003	--	--	--	--	--	--	--	ND<25000
2/17/2004	--	--	--	--	--	--	--	ND<2500
MW-11								
8/11/2003	--	ND<10	ND<10	ND<10	ND<500	ND<10	ND<10	ND<2500
11/13/2003	--	--	--	--	--	--	--	ND<2500
2/17/2004	ND<10	--	ND<10	ND<10	ND<500	ND<10	ND<10	ND<2500



SHADRALL ASSOCIATE'S
PROPERTY
(FORMER LIQUOR BARN)

MW-2(SP) (S)
25.65

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank. NA = not analyzed, measured or collected.

LEGEND

- MW-10 ⊕ Monitoring Well with Groundwater Elevation (feet)
- MW-3(SP) ⊕ Shadrall Monitoring Well with Groundwater Elevation (feet)
- 27.25 — Groundwater Elevation Contour
- ➔ General Direction of Groundwater Flow

**GROUNDWATER ELEVATION
CONTOUR MAP
February 17, 2004**

76 Station 3292
15008 East 14th Street
San Leandro, California

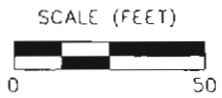


FIGURE 2

PS=1:1

Table 3
 Groundwater Analytical Results - Oxygenate Compounds
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	05/08/00	ND ¹	ND ¹	1,780	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹
	08/08/00	--	--	1,990 ²	--	--	--	--	--
	02/07/01	--	--	840	--	--	--	--	--
	05/09/01 ²	ND ¹	ND ¹	431	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹
	11/16/01	<2,500	380	490	<5.0	<5.0	<5.0	<5.0	<5.0
	02/21/02	<1,200	<50	170	<2.5	<2.5	<2.5	<2.5	<2.5
	08/26/02	--	--	120	--	--	--	--	--
	11/07/02	<2,500	<500	20	<10	<10	<10	<10	<10
	02/14/03	<2,500	<500	35	<10	<10	<10	<10	<10
	05/12/03	--	--	32	--	--	--	--	--
MW-2	08/26/02	--	--	<20	--	--	--	--	--
	11/07/02	<2,500	<500	<10	<10	<10	<10	<10	<10
	02/14/03	--	--	<2.0	--	--	--	--	--
	05/12/03	--	--	<2.0	--	--	--	--	--
MW-5	11/07/02	<2,500	<500	<10	<10	<10	<10	<10	<10
	02/14/03	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
	05/12/03	--	--	<100	--	--	--	--	--
MW-7	11/07/02	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	02/14/03	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
	05/12/03	--	--	<2.0	--	--	--	--	--
MW-8	11/07/02	<500	<100	5.0	<2.0	<2.0	<2.0	<2.0	<2.0
	02/14/03	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
	05/12/03	--	--	<2.0	--	--	--	--	--

Table 3

Groundwater Analytical Results - Oxygenate Compounds
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-9	08/26/02	--	--	<2.0	--	--	--	--	--
	11/07/02	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	02/14/03	--	--	<2.0	--	--	--	--	--
	05/12/03	--	--	<2.0	--	--	--	--	--
MW-10	08/26/02	--	--	<20	--	--	--	--	--
	11/07/02	<2,500	<500	<10	<10	<10	<10	<10	<10
	02/14/03	--	--	<20	--	--	--	--	--
	05/12/03	--	--	4.8	--	--	--	--	--
MW-11	08/24/01	<5,000	<500	870	<10	<10	<10	<10	<10
	05/10/02 ²	<1,000	<200	270	<4.0	<4.0	<4.0	<4.0	<4.0
	08/26/02	<500	<100	170	<2.0	<2.0	<2.0	<2.0	<2.0
	11/07/02	<2,500	<500	330	<10	<10	<10	<10	<10
	02/14/03	--	--	<2.0	--	--	--	--	--
	05/12/03	<2,500	<500	290	<10	<10	<10	<10	<10
MW-2 (SP)	05/08/00	ND	ND	4.83	ND	ND	ND	ND	ND
	11/07/02	<500	<100	5.4	<2.0	<2.0	<2.0	<2.0	<2.0
	02/14/03	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
	05/12/03	--	--	8.4	--	--	--	--	--
MW-3 (SP)	05/08/00	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/02	<5,000	<1,000	<20	<20	<20	<20	<20	<20
	02/14/03	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
	05/12/03	--	--	<2.0	--	--	--	--	--

KEI-P91-0102.QR6
June 9, 1993

Unocal Corporation
2000 Crow Canyon Place, Suite 400
P.O. Box 5155
San Ramon, California 94583

Attention: Mr. Edward C. Ralston

RE: Quarterly Report
Unocal Service Station #3292
15008 E. 14th Street
San Leandro, California

Dear Mr. Ralston:

This report presents the results of the most recent quarter of monitoring and sampling of the monitoring wells at the referenced site by Kaprealian Engineering, Inc. (KEI), per KEI's proposal (KEI-P91-0102.P3) dated August 6, 1991. The wells are currently monitored monthly and sampled on a quarterly basis. This report covers the work performed by KEI from March through May of 1993.

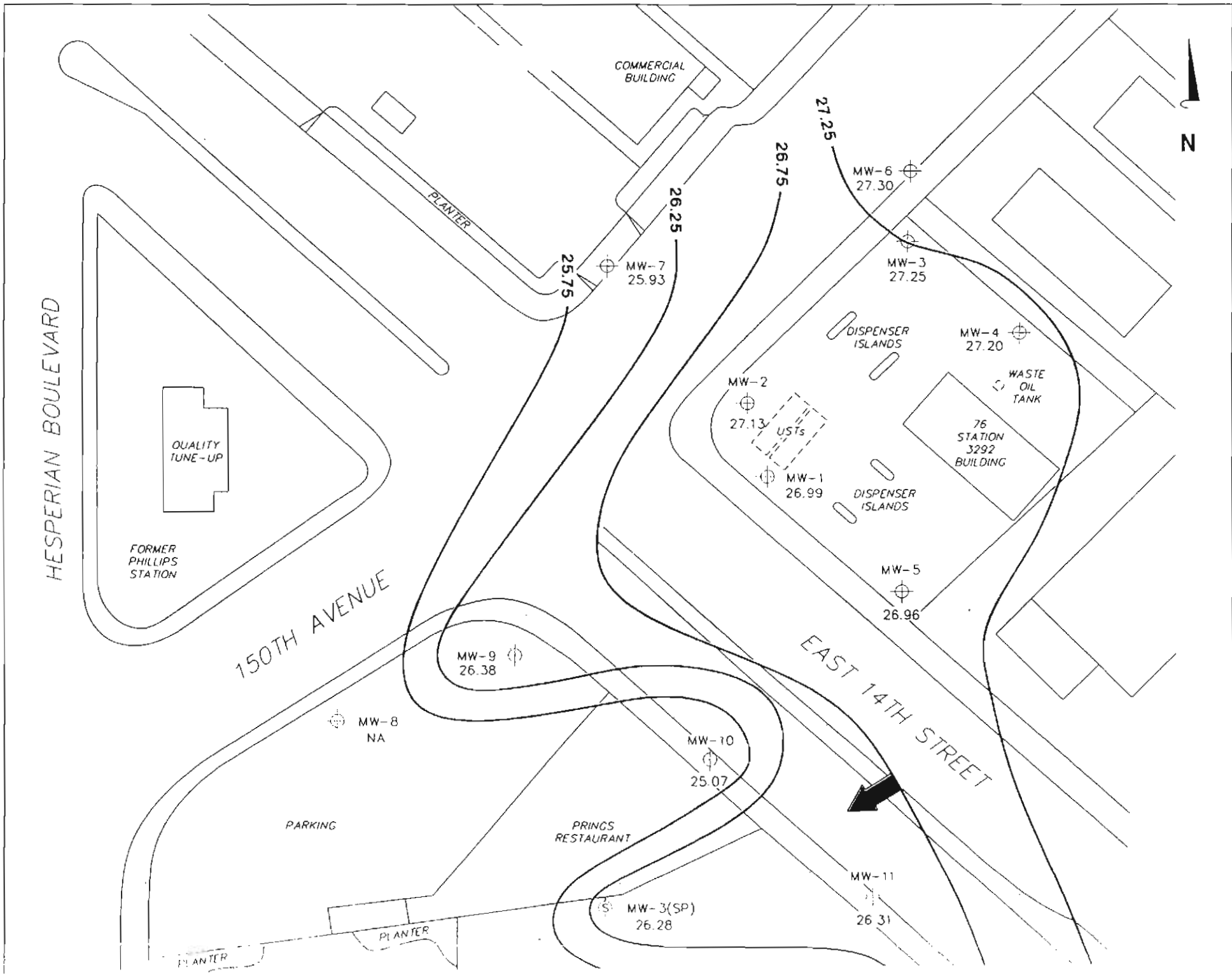
BACKGROUND

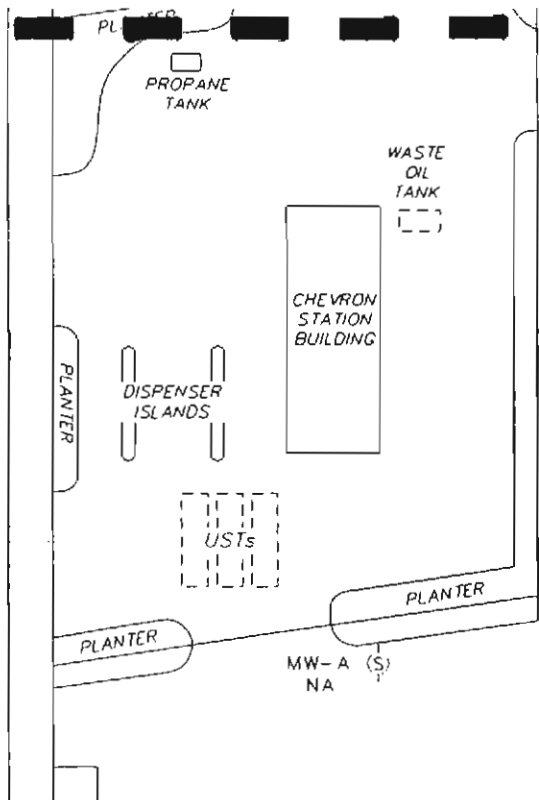
The subject site contains a Unocal service station facility. Two underground gasoline storage tanks, one waste oil tank, and the product piping were removed from the site in January and February of 1991 during tank replacement activities. Contaminated soil detected beneath the fuel tanks was overexcavated to a depth of approximately 17.5 feet below grade (i.e., one foot below the depth to ground water at that time). Eleven monitoring wells have been installed at and in the vicinity of the site.

A site description, detailed background information including a summary of all of the soil and ground water subsurface investigation/remediation work conducted to date, site hydrogeologic conditions, and tables that summarize soil and ground water sample analytical results are presented in KEI's report (KEI-P91-0102.R6) dated October 5, 1992.

RECENT FIELD ACTIVITIES

The 11 monitoring wells (MW1 through MW11) were monitored three times and were sampled once during the quarter. In addition, wells MW1 and MW5 were each purged of 50 gallons of water during the March 1993 monitoring event. During monitoring, the wells were checked for depth to water and the presence of free product. Prior to sampling, the wells were also checked for the presence of a





SHADRALL ASSOCIATES
PROPERTY
(FORMER LIQUOR BARN)

MW-2(SP) (S)
NA

NOTES:

TPPH = total purgeable petroleum hydrocarbons
 B = benzene. MTBE = methyl tertiary butyl
 ether. $\mu\text{g/l}$ = micrograms per liter. ND = not
 detected at limit indicated on official laboratory
 report. NA = not analyzed, measured, or
 collected. UST = underground storage tank.
 Results obtained using EPA Method 8260B

LEGEND

Well No	
TPPH	$\mu\text{g/l}$
B	$\mu\text{g/l}$
MTBE	$\mu\text{g/l}$

⊕ Monitoring Well or
 Shadrall Monitoring Well
 with Dissolved-Phase
 Hydrocarbon Concentrations
 ($\mu\text{g/l}$)

**DISSOLVED-PHASE HYDROCARBON
 CONCENTRATIONS MAP
 February 17, 2004**

76 Station 3292
 15008 East 14th Street
 San Leandro, California

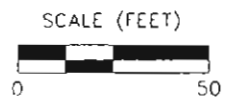


FIGURE 3



HESPERIAN BOULEVARD

150TH AVENUE

EAST 14TH STREET

COMMERCIAL BUILDING

QUALITY TUNE-UP

FORMER PHILLIPS STATION

PARKING

PRINGS RESTAURANT

PLANTER

PLANTER

PROGRAM

PLANTER

DISPENSER ISLANDS

DISPENSER ISLANDS

WASTE OIL TANK

76 STATION 3292 BUILDING

USTs

MW-2	
TPPH	2,800
B	ND<0.50
MTBE	ND<2.0

MW-1	
TPPH	8,200
B	ND<2.5
MTBE	33

MW-9	
TPPH	600
B	ND<0.50
MTBE	ND<2.0

MW-10	
TPPH	7,100
B	4.1
MTBE	ND<10

MW-11	
TPPH	830
B	ND<2.5
MTBE	170

MW-6 NA

MW-3 NA

MW-4 NA

MW-5 NA

MW-8 NA

MW-7 NA

MW-3(SP) NA

MW-11



GETTLER-RYAN INC.

May 20, 2003

Mr. David B. DeWitt
ConocoPhillips
76 Broadway
Sacramento, California 95818

Subject: *Risk-Based Corrective Action Evaluation*
ConocoPhillips (76) Service Station No. 3292
15008 East 14th Street, San Leandro, California

Dear Mr. DeWitt:

At the request of ConocoPhillips, Gettler-Ryan Inc. (GR) is submitting this report to document the results of the Risk-Based Corrective Action (RBCA) planning process implemented for the subject site, as described in ASTM E2081-00 "Standard Guide for Risk-Based Corrective Action". This Tier 2 RBCA was conducted with site-specific data from the ConocoPhillips (76) service station located at 15008 East 14th Street in San Leandro, California. This RBCA was prepared to evaluate future commercial use of the site and a current surrounding residential use. The purpose of this work was to evaluate whether the residual hydrocarbons in the site soils and groundwater pose a risk to human health. This report describes site conditions and the RBCA model results for the site.

Site Description

The subject site is an active service station located on the eastern corner of the intersection of East 14th Street and 150th Avenue in San Leandro, California (Figure 1). Northern and western corners of this intersection were formerly occupied by a Mobil service station and a Phillips service station, and are currently occupied by a commercial building and an automotive repair shop, respectively. A Chevron service station is also currently present adjacent to the southern corner of the intersection, approximately 200 feet southwest of the 76 station. Current 76 station facilities include a station building, four dispenser islands, and two underground storage tanks (USTs) located in a common pit in the western corner of the site. A waste oil UST is also present behind the station building. Eleven groundwater monitoring wells are present at and in the immediate site vicinity. Locations of pertinent site features are shown on Figure 2.

Well Search Results

The site is situated on terrain gently sloping to the south/southwest, and the nearest surface waters are Estudillo Canal, located approximately 2,800 feet south, and San Leandro Creek, located approximately 1.4 miles south. Estudillo Creek flows toward the west and is predominantly channeled, while San Leandro Creek flows toward the southwest and ultimately drains into San Francisco Bay. Based on historical groundwater monitoring results, groundwater flow is toward the south/southwest.

Based on a review of data provided from a 0.5 mile well search performed by the Alameda County Public Works Agency (ACPWA), the following sensitive receptors were identified in the site vicinity. There are 25 water wells located within ½ mile of the site (Figure 1). Two of the wells are domestic, and the remaining 23 wells are irrigation wells (Table 1). The two domestic wells are located approximately 1,500 feet to the south and 2,500 feet to the southeast, respectively. The nearest irrigation well to the site is located approximately 500 feet east of the site (crossgradient).

Based on these data, there is a very low probability that impacted groundwater at the site has traveled the necessary distance to impact the downgradient domestic wells.

Risk-Based Corrective Action (RBCA)

Tier 1 of the RBCA process involves comparison of the site constituent concentrations to generic Risk-Based Screening Levels (RBSL) to evaluate whether further evaluation and/or active remediation is warranted. RBSL values are derived from standard exposure equations and reasonable maximum exposure (RME) estimates per U.S. EPA guidelines. RBSL concentrations are designed to be protective of human health even if exposure occurs directly within the onsite area of impacted soil or groundwater, and inherently provides conservative estimates of potential threats to human health and the environment. According to the RBCA process, if Tier 1 limits are not exceeded, the user may proceed directly to compliance monitoring and/or no further action. However, if these defined screening levels are exceeded, the affected media may be addressed by:

1. remediating to the generic Tier 1 limits, if practical
2. conducting Tier 2 evaluation to develop site-specific remediation goals, if required by the results of the evaluation
3. implementing an interim remedial action to abate risk "hot spots"

GR compared the site-specific soil and groundwater analytical data to the Regional Water Quality Control Board (RWQCB) – San Francisco Bay Region Tier 1 limits and determined that the Tier 1 limits were exceeded. Therefore, GR utilized the Groundwater Services Inc. RBCA Toolkit for Chemical Releases (version 1.3a) to perform a Tier 2 evaluation for the site.

Tier 2 analysis evaluates baseline risks both on and offsite, utilizing site specific soil, groundwater and air parameters. Additionally, Tier 2 analysis allow the use of transport models in calculating risks and cleanup standards related to offsite receptors, and utilizes Site Specific Target Levels (SSTLs). An SSTL is a chemical of concern (COC) concentration limit (clean-up level) in the source medium derived by multiplying the risk-based exposure limit at the point of exposure by the natural attenuation factor for the exposure pathway.

Site Parameters

Complete exposure pathways are those that could pose a reasonable potential for contaminant contact with human or environmental receptors. Under Tier 2 RBCA, both onsite and offsite receptors apply. For the purpose of this Tier 2 evaluation, onsite commercial and offsite residential exposure pathways with a risk factor of 10^{-6} were evaluated for the site. Groundwater beneath and in the site vicinity is not used for drinking water purposes, however, a residential irrigation well is located approximately 500 feet east (crossgradient) of the site. Therefore, groundwater ingestion and subsurface soil leaching to groundwater (ingestion) exposure pathways were evaluated as a worst case scenario. The following risk pathways were evaluated:

- Subsurface soil and groundwater volatilization to indoor and outdoor air inhalation
- Ingestion and dermal contact from groundwater, surficial and subsurface soils
- Construction worker exposure to soil and air
- Offsite groundwater ingestion and air inhalation

Where available, site specific physical data were used in this RBCA evaluation. Analyses of soil physical parameters are included in Appendix A. Site specific parameters included:

- Affected soil area (9,600 ft²)
- Depth to top of affected soil (3.5 ft)
- Thickness of affected subsurface soils (6 ft)
- Soil moisture content (17%)
- Soil dry bulk density (1.58 g/cc)
- Total porosity (0.38%)
- Soil pH (6.68)
- Groundwater pH (6.80)

- Soil hydraulic conductivity (3.5⁻² cm/d)
- Length of affected soil parallel to wind (120 ft)
- Length of affected soil parallel to groundwater flow (120 ft)
- Fraction organic carbon in soil (0.006)
- Fraction organic carbon in saturated zone (0.00035)
- Hydraulic conductivity (0.0484 cm/d)
- Groundwater gradient (0.016 ft/ft)
- Effective soil porosity (34.1%)
- Groundwater plume width (120 ft)
- Building volume/area ratio (10.4 ft)
- Foundation area (1620 ft²)
- Foundation perimeter (176 ft)
- Foundation crack fraction (0.001)

The depth of groundwater is estimated to be approximately 10 feet below ground surface (GR Fourth Quarter Event of November 7, 2002, Groundwater Monitoring and Sampling Report). Based on the site being entirely paved, GR estimated the net rainfall infiltration at 3 in/year. Where appropriate and consistent with site conditions, ASTM default values were used. The COCs were evaluated with a conservative 95% Upper Control Limit (UCL) on the mean concentration, as well as the California adjusted oral slope factor for benzene (0.1) for this RBCA analysis.

TPHg was evaluated by inputting each TPHg value into the most toxic fraction (C8 - C10 aromatic) which is the most conservative estimate (Total Petroleum Hydrocarbon Criteria Working Group Series, Volume 5, June 1999). Additional TPHg concentrations from a water sample collected from well MW-5 (collected February 4, 2003) were placed into seven hydrocarbon chain fractions as reported by the laboratory. The laboratory data is attached in Appendix A. The results of the TPHg fraction analysis were utilized to proportion the historical (1991) soil data into representative fraction percentages.

Results of RBCA Analysis

Based on information from previous site investigations and current groundwater monitoring and sampling data, the Tier 2 RBCA program evaluated the complete exposure pathways identified at the site (Appendix B, Tier 2 Baseline Risk Summary Table). The RBCA program findings for the identified pathways are:

- outdoor and indoor air exposures with cumulative risk factors of 1.8⁻⁸ and 1.5⁻⁷;
- groundwater ingestion with a cumulative risk factor of 2.9⁻¹⁰⁵; and
- soil exposure with a cumulative risk factor of 7.6⁻⁹

Using the residential risk factor of 1.0^{-6} and site conditions, the SSTLs for BTEX, MtBE and TPHg were determined to be below established Tier 2 SSTLs (Appendix B, SSTL Values) for all pathways. Pertinent input and output data including site specific parameters used in the analysis are presented in Appendix B.

Conclusions And Recommendations

GR performed the RBCA evaluation for the assessment and response to petroleum hydrocarbons in the subsurface soil and groundwater beneath the subject site. A Tier 2 evaluation was performed utilizing available site specific data. The results of these analyses confirm that current site conditions do not exceed the calculated Tier 2 SSTLs specific to the site (Appendix B). Since a commercial service station is presently operating at the site, it is expected that commercial use will continue in the future. It is GR's understanding that as of January 1, 2001, ConocoPhillips no longer distributes fuel containing MtBE to service stations in northern California. Additionally, it is anticipated that residual dissolved concentrations of petroleum hydrocarbons will continue to attenuate over time, thereby also lowering the associated risk over time. The Tier 2 evaluation verifies that there are no risks associated with the current or future uses of the building presently at the site, and that there are no risks to the occupants of the residential properties neighboring the site.

According to the RBCA decision making process, further work would not be warranted to protect against human exposures. The Tier 2 evaluation determined that no additional investigation or remediation is required at the site. Based on the RBCA program findings presented in this report, and that the groundwater beneath and in the vicinity of the site is not used for drinking water purposes, it is GR's opinion that the site should be considered for case closure.



GETTLER - RYAN INC.

May 23, 2003

Ms. Eva Chu
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

Alameda County
JUN 19 2003
Environmental Health

Subject: Transmittal of Well Survey Results, Site Information Summary, and Request For Closure for the ConocoPhillips (76) Service Station No. 3292, located at 15008 East 14th Street, San Leandro, California

Dear Ms. Chu:

This document was prepared by Gettler-Ryan Inc. (GR) at the request of ConocoPhillips, and transmits the Well Survey Results and Site Information Summary (SIS), and based on the discussion and findings, also requests low-risk case closure status from the Alameda County Health Care Services (ACHCS).

The subject site is an active 76 service station located on the eastern corner of the intersection of East 14th Street and 150th Avenue in San Leandro, California (Figure 1). Northern and western corners of this intersection were formerly occupied by a Mobil service station and a Phillips service station, and are currently occupied by a commercial building and an automotive repair shop, respectively. An operating Chevron service station is located adjacent to the southern corner of the intersection, approximately 200 feet southwest of the 76 station. Current 76 station facilities include a station building, four dispenser islands, and two underground storage tanks (USTs) located in a common pit in the western corner of the site. A waste oil UST is also present behind the station building. Eleven groundwater monitoring wells are present at and in the immediate site vicinity, and select wells are sampled either on a quarterly or semi-annual basis. Locations of pertinent site features are shown on Figure 2.

Well Survey

Based on a review of data provided from a 0.5 mile well search performed by the Alameda County Public Works Agency (ACPWA), the following sensitive receptors were identified in the site vicinity. There are 25 water wells located within 1/2 mile of the site. Two of the wells are domestic, and the remaining 23 wells are irrigation wells. The two domestic wells are located approximately 1,500 feet to the south and 2,500 feet to the southeast of the site, respectively. The nearest irrigation well is located approximately 500 feet east of the site (crossgradient). Based on these data, there is a very low probability that impacted groundwater emanating from the 76 facility has traveled the necessary distance to impact the

downgradient domestic wells. (Figures and Tables of Well Search Results reported in GR's *Risk-Based Corrective Action Evaluation*, dated May 20, 2003)

Hydrology

The site is situated on terrain gently sloping to the south/southwest, and the nearest surface waters are Estudillo Canal, located approximately 2,800 feet south, and San Leandro Creek, located approximately 1.4 miles south. Estudillo Creek flows toward the west and is predominantly channeled, while San Leandro Creek flows toward the southwest and ultimately drains into San Francisco Bay. Based on historical groundwater monitoring results, groundwater flow is toward the south/southwest.

Previous Environmental Work

- 1991 - Removal of two gasoline USTs, one waste oil UST and associated product piping.
Overexcavation and offsite disposal of 745 cubic yards of hydrocarbon impacted soil.
Removal and offsite disposal of 15,700 gallons of groundwater from the UST pit.
- 1991 - Installation of five 2-inch diameter groundwater monitoring wells (MW-1 through MW-5). Initiation of quarterly monitoring and sampling.
- 1992 - Installation of six additional 2-inch diameter groundwater monitoring wells (MW-6 through MW-11).
- 1995 - Oil/Water Separator abandoned inside station building.
- 1998 - Installation of four soil borings (EB-1 through EB-4).
- 2003 - Preparation of a Risk-Based Corrective Action evaluation.

Current Site Conditions

The extent of soil impact at the site is delineated. During removal of gasoline USTs, waste oil UST, and product piping conducted in 1991, confirmation soil samples collected and analyzed by the laboratory indicate that elevated concentrations of Total Petroleum Hydrocarbons as gasoline (TPHg) and benzene remained in the vicinity of the gasoline UST pit and the northernmost dispenser island. The soil borings installed in 1998 were reported as not detected for TPHg, benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and Methyl tertiary-Butyl Ether (MtBE).

Groundwater analytical results from the quarterly sampling event of February 15, 2003, indicate that Monitoring wells MW-1, MW-2, MW-5, and MW-7 through MW-10 (other wells not sampled since 1999) show an overall declining trend in hydrocarbon concentrations (Charts 1 through 8). Although there has been a recent increase in TPHg concentration in several wells, the laboratory reports that the fuel pattern does not match that of gasoline. GR believes that the recent detections of TPHg represent weathered gasoline, and this idea is reinforced by the lack of changes in benzene and MtBE concentrations. Additionally, during the RBCA evaluation, a groundwater sample from MW-5 was analyzed and the results broken down into seven hydrocarbon chain fractions. The results indicated that almost 50% of the detected compounds were composed of carbon chains greater than C10, which are longer than the usual fresh gasoline carbon chains that range from C6 to C10.

Summary

The attached Site Information Summary form contains information pertinent to the site, results of initial site assessment and remediation, impacted groundwater plume trends, summary tables of historical soil and groundwater sample data, boring logs and figures showing the locations of pertinent site features and sample locations. The SIS and attachments are included in Appendix A.

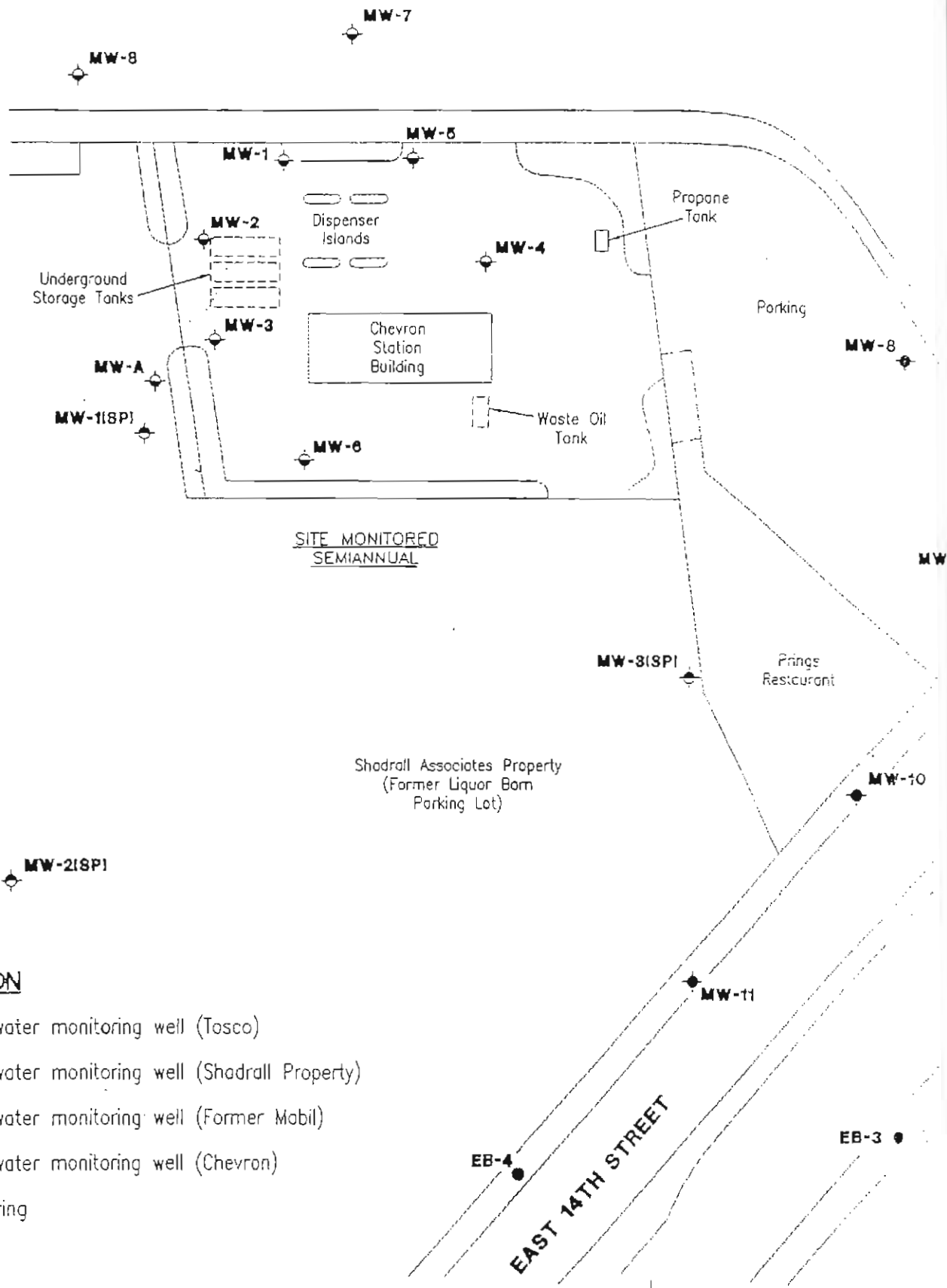
The following conditions have been found at the site:

1. Hydrocarbon source soils were removed in 1991 during UST replacement and subsequent overexcavation of impacted soil.
2. Free product has not been detected in any monitoring well to date.
3. The groundwater beneath the City of San Leandro is not used as a municipal drinking water supply. This precludes the impacted shallow aquifer from affecting human health in the site vicinity.
4. The site has been adequately characterized. Historical groundwater data collected between May 1991 and the present indicate that the hydrocarbon plume is stable and has been predominantly restricted to groundwater beneath the site and immediate vicinity. Concentrations of MtBE and other hydrocarbons in all wells have shown an overall downward trend since August of 2001. In addition, this site has neither stored nor distributed gasoline containing MtBE since January of 2001.
5. The groundwater plume is well defined in all directions including the downgradient flow direction. The site is located in an area where current and former service stations were located on all four corners of the intersection. Residual dissolved hydrocarbons are expected to naturally attenuate with time.
6. The nearest surface water in the downgradient groundwater direction are Estudillo Canal, located approximately 2,800 feet south, and San Leandro Creek, located approximately 1.4 miles south. Estudillo Creek flows toward the west and is predominantly channeled, while San Leandro Creek flows toward the southwest and ultimately drains into San Francisco Bay. Based on historical groundwater monitoring results, groundwater flow has been toward the south/southwest.
7. The closest sensitive receptors are two domestic water wells located approximately 1,500 feet to the south and 2,500 feet to the southeast, respectively. The nearest irrigation well to the site is located approximately 500 feet east of the site (crossgradient).
8. The RBCA evaluation (*GR's Risk-Based Corrective Action Evaluation*, dated May 20, 2003) determined that there are no risks associated with the current or future uses of the building presently at the site, and that there are no risks to the occupants of the residential properties neighboring the site.

Conclusions And Recommendations

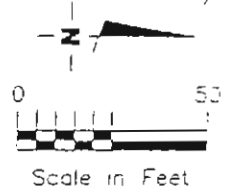
GR previously performed and submitted a RBCA evaluation for the assessment and response to petroleum hydrocarbons in the subsurface soil and groundwater beneath the subject site. A Tier 2 evaluation was performed utilizing available site specific data. The results of the analyses confirm that current site conditions do not exceed the calculated Tier 2 SSTLs specific to the site. Since a service station is presently operating at the site, it is expected that the commercial use will continue in the future. It is GR's understanding that as of January 1, 2001, ConocoPhillips no longer distributes fuel containing MtBE to service stations in northern California. Additionally, it is anticipated that residual dissolved concentrations of weathered petroleum hydrocarbons will continue to attenuate over time, thereby also lowering the associated risk over time. The Tier 2 evaluation verified that there are no risks associated with the current or future uses of the building presently at the site, and that there are no risks to the occupants of the residential properties neighboring the site.

According to the RBCA decision making process, further work would not be warranted to protect against human exposures. The Tier 2 evaluation determined that no additional investigation or remediation is required at the site. Based on the RBCA program findings presented previously, and that the groundwater beneath and in the vicinity of the site is not used for drinking water purposes, it is GR's opinion that the site should be considered for case closure. Once the ACHCS concurs with this request for case closure, GR will recommend that select monitoring wells be properly destroyed, and that remaining wells be utilized for post-closure groundwater quality monitoring.



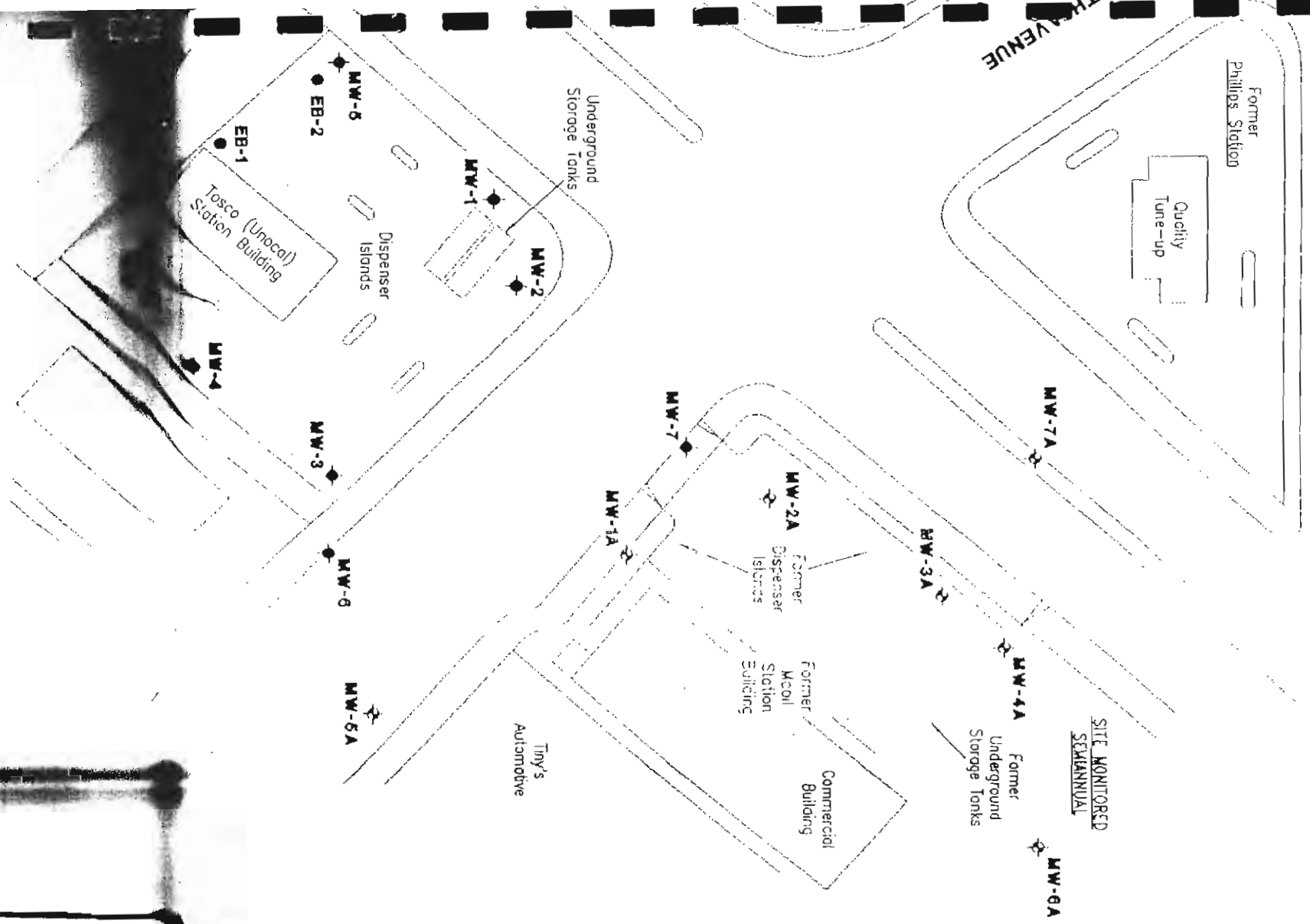
EXPLANATION

- ◆ Groundwater monitoring well (Tosco)
- ◆ Groundwater monitoring well (Shadrall Property)
- ◆ Groundwater monitoring well (Former Mobil)
- ◆ Groundwater monitoring well (Chevron)
- Soil boring



HESPERIAN BOULEVARD

14TH AVENUE



SITE MONITORED SEMIANNUAL



Gattler & Ryan Inc.
 8747 Santa Fe, Suite
 Dublin, CA 94568
 (925) 551-7555

SITE PLAN
 Tosco 76 Branded Facility No. 3292
 15008 East 14th Street
 San Leandro, California

FIGURE 2

DATE 1400/1.02
 DRAWN BY
 CHECKED BY

DATE March, 1999
 REVISION DATE

15002 Hesperian Boulevard

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



July 27, 1999

STID 770

ENVIRONMENTAL HEALTH SERVICES

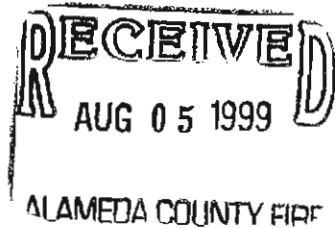
1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

(510) 567-6700

(510) 337-9335 (FAX)

REMEDIAL ACTION COMPLETION CERTIFICATION



Philip Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

RE: (Former) Chevron Station #9-2013, 15002 Hesperian Boulevard, San Leandro

Dear Mr. Briggs:

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

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health Services

c: Chuck Headlee, RWQCB
Dave Deaner, SWRCB (w/attachment)
Mike Bakaldin, San Leandro Hazardous Materials Program
Ui Chin Hwang, 15018 Hesperian Blvd., San Leandro, CA 94578 (w/attachment)
SOS/files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



July 27, 1999

ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

STID 770

Philip Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

RE: (Former) Chevron Station #9-2013, 15002 Hesperian Boulevard, San Leandro

Dear Mr. Briggs:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37(h)) of the California Health and Safety Code. The State Water Resources Control Board (SWRCB) has required since March 1, 1997 that this agency use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at this site.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- o Up to 1000 micrograms per liter (ug/l) Total Petroleum Hydrocarbons as Gasoline (TPH-G) and 64 ug/l methyl tert-butyl ether (MtBE) are present in groundwater beneath the site.

If you have any questions, please contact the undersigned at (510) 567-6783.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

Enclosures:

1. Case Closure Letter.
2. Case Closure Summary

cc: Dick Pantages, Chief
Ui Chin Hwang, 15018 Hesperian Blvd., San Leandro, CA 94578

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



July 27, 1999

STID 770

ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

REMEDIAL ACTION COMPLETION CERTIFICATION

Philip Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

RE: (Former) Chevron Station #9-2013, 15002 Hesperian Boulevard, San Leandro

Dear Mr. Briggs:

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

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health Services

c: Chuck Headlee, RWQCB
Dave Deaner, SWRCB (w/attachment)
Mike Bakaldin, San Leandro Hazardous Materials Program
Ui Chin Hwang, 15018 Hesperian Blvd., San Leandro, CA 94578 (w/attachment)
SOS/files

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 03/22/99

Agency name: **Alameda County-EPD**
City/State/Zip: **Alameda, CA 94502**
Responsible staff person: **Scott Seery**

Address: **1131 Harbor Bay Pkwy #250**
Phone: **(510) 567-6700**
Title: **Haz. Materials Spec.**

II. CASE INFORMATION

Site facility name: **Chevron Service Station #9-2013**
Site facility address: **15002 Hesperian Blvd., San Leandro 94578**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **770**
URF filing date: **04/17/84** SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Chevron Products Co. Attn: Phil Briggs	P.O. Box 6004 San Ramon, CA 94583-0904	(925) 842-9136
Estate of G.W. Scheffer	P.O. Box 173 San Jose, CA 95103	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	10,000 gal	gasoline	Removed	~ 1984
2	10,000 "	"	"	"
3	5,000 "	"	"	"
4	1,000	waste oil	"	"
5	1,000	" "	"	1998

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: UNK (possible line leak)

Site characterization complete? YES

Date approved by oversight agency:

Monitoring Wells installed? YES Number: 8

Proper screened interval? YES

Highest GW depth below ground surface: 7.6' Lowest depth: 15.09'

Flow direction: SW - SE

Most sensitive current use: commercial/retail

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Are drinking water wells affected? **NO** Aquifer name: San Leandro Cone

Is surface water affected? **NO** Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations): NA

Report(s) on file? **YES** Where is report filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> <u>(include units)</u>	<u>Action (Treatment</u> <u>or Disposal w/destination)</u>	<u>Date</u>
Tank	2x10K; 5K; 1K gals. 1,000 gals.	UNK Disposal – Erickson, inc. Richmond, CA	8/84 10/30/98
Piping	UNK	UNK	
Free Product	"	"	
Soil	"	"	
Groundwater	4700 gals.	Disposal – I.T. Corp. Martinez, CA	8/7/84

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm) ^{1,2,5}		Water ^{3,4} (ppb)	
	Before	After	Before	After
TPH (Gas)	UNK	<10	12,000	1000
TPH (Diesel)	"	NA	NA	NA
Benzene	"	<0.3	120	<0.5
Toluene	"	<0.3	110	<0.5
Xylene	"	<0.3	130	<0.5
Ethylbenzene	"	<0.3	110	<0.5
Other (MtBE)	"	NA	NA	64

- Notes:
- 1) "Before" soil results reflect the (presumed) August 1984 tank removals for which no documentation could be located by the local agencies and Chevron.
 - 2) "After" soil results reflect soil samples collected during installation of wells MW-6, -7, and -8, the only soil samples for which there are available results.
 - 3) "Before" water results from samples collected December 8, 1987 from well MW-5.
 - 4) "After" water results reflect May 15, 1998 sampling event, as follows: TPH-G from well MW-6; MtBE from well MW-2; BTEX reflects data from all wells.
 - 5) Samples collected during the 1998 waste oil UST closure were analyzed for TPH-G, TPH-D, BTEX, MtBE, TOG, HVOC, and SVOC. No detectable target compounds were identified except for 504-ppm bis(2-ethylhexyl)phthalate.

Leaking Underground Fuel Storage Tank Program

Comments (Depth of Remediation, etc.):

Available information indicates four USTs were removed from this site sometime during or around August 1984. A tank closure report or similar document could not be located by the City of San Leandro Fire Department, this agency, or Chevron at the time of this writing.

The original tanks were reportedly installed in 1969, and were comprised of two (2) 10,000 and one 5,000 gallon gasoline, and one 1,000-gallon waste oil UST. These early tanks were reportedly replaced in 1984 with three (3) 10,000-gallon gasoline and one 1000-gallon waste oil USTs. All replacement tanks were comprised of fiberglass-reinforced plastic (FRP). It is unknown if the USTs are of single- or double-walled construction, as conflicting accounts have been presented.

The 1000-gallon waste oil tank, along with the hydraulic lifts and oil/water separator, were removed from the site during October 1998 under San Leandro Fire Department oversight. The condition of the tank was sound, and the sample results unremarkable. Excavated soil was returned to the tank pit. The fuel tanks remain in-place at the site.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? _____

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? _____

Does corrective action protect public health for current land use? YES
Site management requirements: NA

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommissioned: NO

Number Decommissioned: NA Number Retained: 8

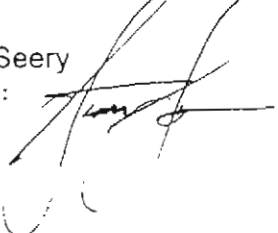
List enforcement actions taken: NONE

List enforcement actions rescinded: NONE

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery

Title: Haz Mat Specialist

Signature: 


Date: 4-12-99

Leaking Underground Fuel Storage Tank Program

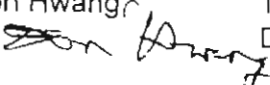
V. LOCAL AGENCY REPRESENTATIVE DATA (Continued)

Reviewed by

Name: Tom Peacock Title: Supervising Haz Mat Specialist

Signature:  Date: 4-9-99

Name: Don Hwang Title: Haz Mat Specialist

Signature:  Date: 3/31/99

VI. RWQCB NOTIFICATION

Date Submitted to RB: 4-12-99 RB Response:
RWQCB Staff Name: Chuck Headlee Title: San. Eng. Assoc. Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

The record reflects that five (5) wells were initially installed at the site during 1983, reportedly in response to a line leak that occurred in April of that year. These wells were reportedly monitored solely for the presence of free product (FP). Boring logs are, at best, rudimentary in their descriptions. Nevertheless, all encountered sediments are reportedly comprised of clay or silty clay to the depths explored. "Vapors" (presumably hydrocarbon vapors) were noted on logs for well borings MW-2, -3, -4, and -5 at depths of ~ 13-14' BG. The occurrence of these "vapors" appears consistent with the interception of the interface between the saturated and unsaturated zones. Soil samples were not collected. The wells were monitored twice in July 1983, and then weekly for two months in 1984 for the presence of FP. In each instance, no FP was reportedly detected. These wells were not sampled again until 1987.

In December 1987, the 5 original wells were sampled, perhaps for the first time where data were reported. Up to 12,000-ug/l total "fuel" hydrocarbons (TFHC) and 120-ug/l benzene, among other aromatic fuel components, were identified in water sampled from well MW-5 located NW of the fuel dispensers. Water sampled from apparent downgradient wells MW-2 and -3 also exhibited elevated concentrations of TFHC of up to 4000 ug/l and benzene of up to 80 ug/l during this sampling event.

In May 1988, three (3) additional wells were installed, two (MW-7 and -8) with in Hesperian Blvd. and one (MW-6) on-site. All wells were sampled at this time.

In October 1990, three wells were installed by others on the property south and east of the Chevron site to assess plumes from several sources. One such well (MW-1 aka "MW-A") was installed south and in close proximity to the Chevron UST cluster. Detectable concentrations of total petroleum hydrocarbons as gasoline (TPH-G) and ethylbenzene (E) were identified in water sampled from this well at that time. Soil samples were not collected. Beginning in 1995, Chevron began collecting samples from this well. Only low levels or non-detectable concentrations of fuel compounds were identified in samples collected from well MW-A through August 1998.

Leaking Underground Fuel Storage Tank Program

All Chevron wells were also sampled and monitored through August 1998, beginning with a quarterly schedule in 1987 and 1988, reduced to a semi- or annual scheduled thereafter in select wells. Diminishing trends in dissolved phase fuel compounds have been identified in samples collected since 1987. Groundwater flow was predominantly calculated towards the south over the course of the investigation, with periodic swings from SW to SE.

This case appears to be a "Low Risk Groundwater Case", as described in the January 5, 1996 San Francisco Bay Regional Water Quality Control memorandum entitled "*Regional Board Supplemental Instructions to State Water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Sites*," as follows:

1) **The leak has been stopped and ongoing sources, including free product, have been removed or remediated.**

The subject tanks were removed in 1984. Free product has not been known to occur at the site.

2) **The site has been adequately characterized.**

An 8-well network of wells was installed, monitored, and sampled over the course of several years. An additional well was installed on the adjoining property downgradient of the site. These points have allowed an adequate confirmation of underlying geology, groundwater flow, and contaminant extent.

3) **The dissolved hydrocarbon plume is not migrating.**

The plume appears stable. Hydrocarbon concentrations have attenuated over time.

4) **No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted.**

There are no known municipal or residential water wells or surface water bodies within 750' downgradient of the subject site that would be impacted by shallow groundwater from this site.

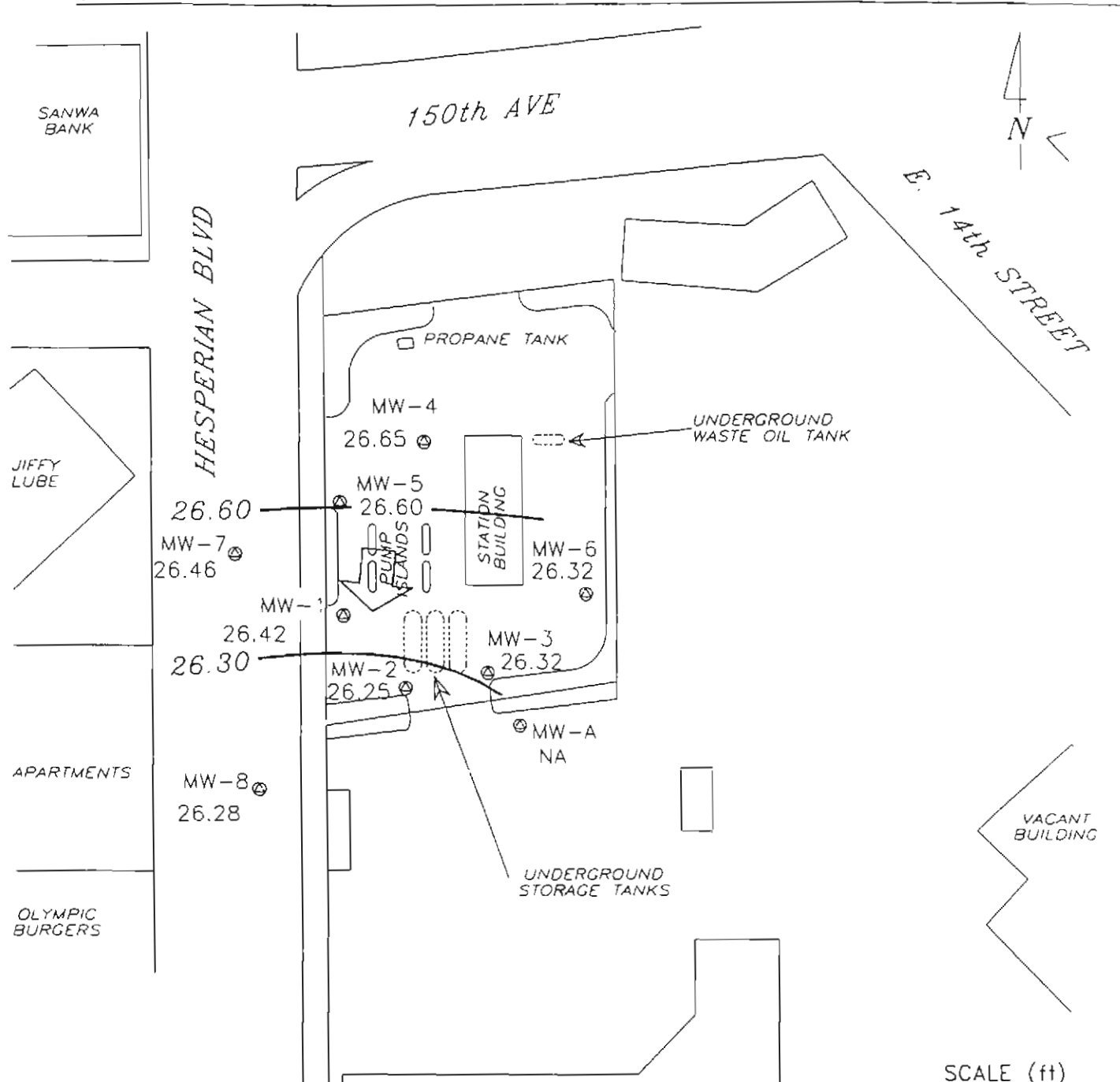
5) **The site presents no significant risk to human health.**

Comparison of ASTM E 1739-95 *Risk Based Screening Levels (RBSL)* with site-specific concentration and occurrence of risk-driving target compounds (e.g., benzene) in groundwater demonstrate that RBSL values are not exceeded for any plausible exposure pathways. Further, default criteria used to calculate the published RBSLs present more conservative parameters, as site-specific geology (clay) is much less conducive to vertical vapor transport to potential receptors at the site.

Sparse soil data have been presented to date. However, inference may be reasonably made that a substantial and, hence, potential risk-inducing soil source is not present at the site based on diminishing concentrations of target compounds in groundwater sampled since the late 1980s.

6) **The site presents no significant risk to the environment.**

No environmental receptors are known or expected to be proximal to the site.

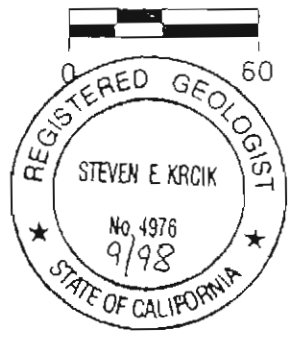


EXPLANATION

- ⊗ MONITORING WELL LOCATION
- 26.28 GROUNDWATER ELEVATION (FT, MSL)
- 26.60 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- NA DATA NOT AVAILABLE
- ↓ APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.002

COMMERCIAL BUSINESS

SCALE (ft)



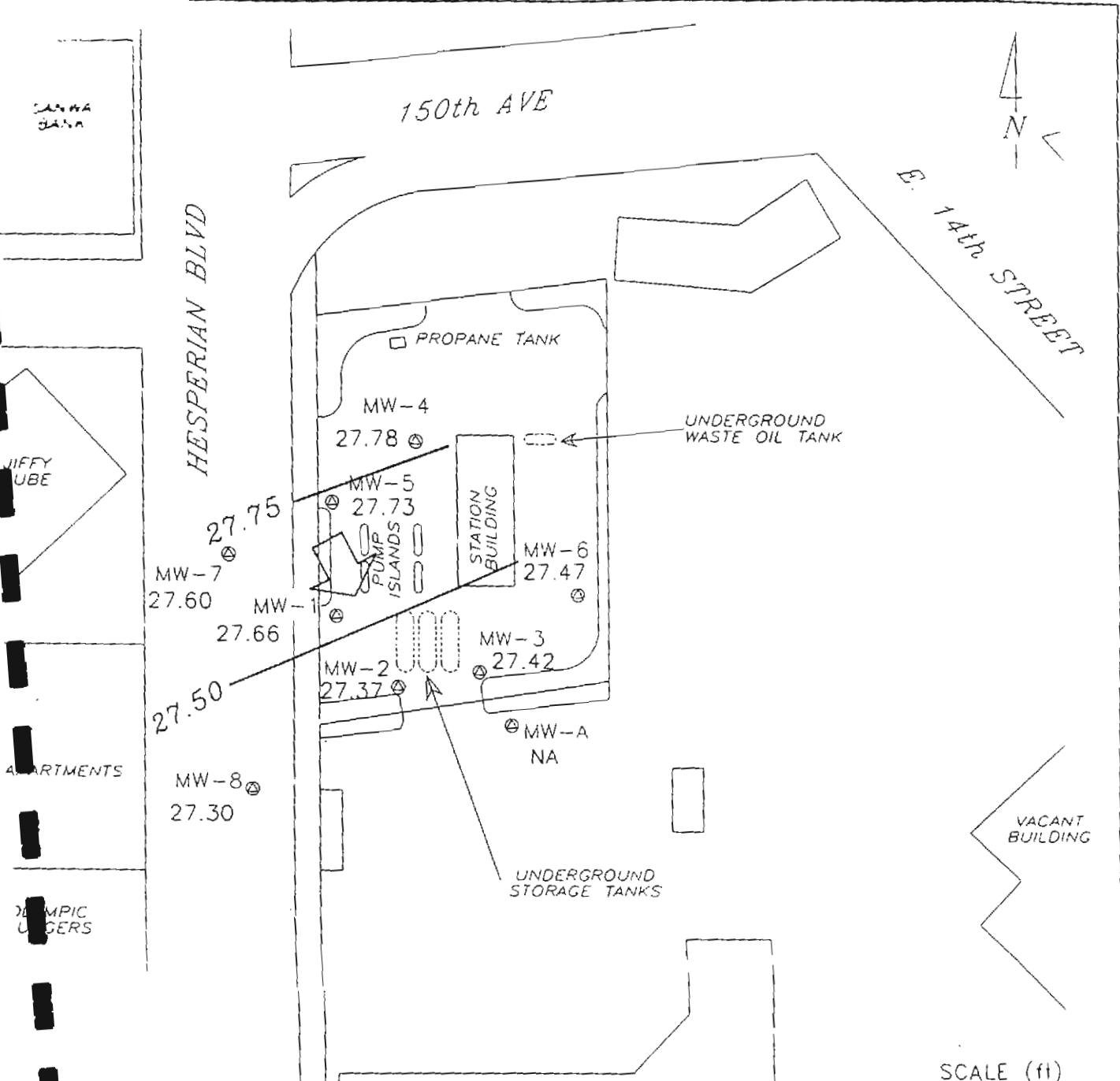
Basemap from Geoconsultants, Inc.

PREPARED BY

Chevron Station 9-2013
15002 Hesperian Boulevard
San Leandro, California

GROUNDWATER ELEVATION CONTOUR MAP,
AUGUST 12, 1998

FIGURE:
1
PROJECT:
DAC04



EXPLANATION

COMMERCIAL BUSINESS

- ⊙ MONITORING WELL LOCATION
- 27.78 GROUNDWATER ELEVATION (FT, MSL)
- 27.50 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- NA DATA NOT AVAILABLE
- ➔ APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.004

3000 Geoconsultants, Inc.

DESIGNED BY



Engineering Contracting Firm

Chevron Station 9-2013
15002 Hesperian Boulevard
San Leandro, California

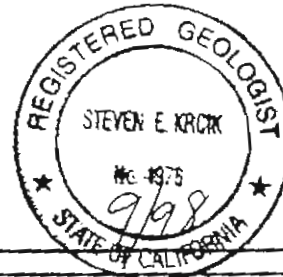
GROUNDWATER ELEVATION CONTOUR MAP,
MAY 15, 1998

FIGURE:

1

PROJECT:

0AC04



14883 East 14th Street



California Regional Water Quality Control Board

San Francisco Bay Region



Ferry Tamminen
Secretary for
Environmental
Protection

1515 Clay Street, Suite 1400, Oakland, California 94612
(510) 622-2300 • Fax (510) 622-2460
<http://www.swrcb.ca.gov/rwqcb2>

Arnold Schwarzenegger
Governor

Date: **MAY 17 2004**
File No. 01S0446 (RDB)

Certified mail No.
70033110000265563992
F.J. Federighi Trust B
and Richard Sullivan, et. al.
c/o Mr. Douglas Federighi
1051 MacArthur Boulevard
San Leandro, CA 94577-3095

Subject: Transmittal of Tentative Rescission of Site Cleanup Requirements for the
Property Located at 14883 East 14th Street, San Leandro, Alameda County

Dear Mr. Federighi:

Enclosed for your review is a copy of the tentative Rescission of Site Cleanup Requirements for the property located at 14883 East 14th Street in San Leandro. As discussed in the tentative order, we intend to concur that no further action is required to address environmental impacts at the site.

This matter will be considered for adoption by the Water Board at its monthly meeting on June 16, 2004. The meeting will be held at the Elihu Harris State Building (1st Floor Auditorium) at 1515 Clay Street in Oakland and will start at 9:00 am. Any written comments must be submitted no later than June 1, 2004. Comments submitted after this date will not be considered by the Board.

If you have any questions concerning this letter, please contact Roger Brewer of my staff at (510) 622-2374 (e-mail: rdb@rb2.swrcb.ca.gov).

Sincerely,

Bruce H. Wolfe
Executive Officer

Enclosure: Tentative Rescission of Site Cleanup Requirements
cc w/ enc: Mailing List



HYDRO ANALYSIS, INC.

*Environmental & Water Resources Engineering
Groundwater Consultants*

January 9, 2004

Roger Brewer
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street
Suite 1400
Oakland, CA 94612

RE: Request for Case Closure
Eden Center, 14883 East 14th Street, San Leandro, CA.

Dear Mr. Brewer:

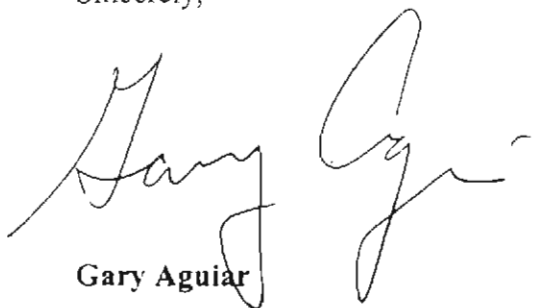
On behalf of F.J. Federighi Trust B and Richard Sullivan, et al. please find enclosed a copy of the "Semi-Annual Monitoring Report, Eden Center, 14883 East 14th Street, San Leandro, CA" by Hydro Analysis, Inc., dated January 8, 2003.

The detailed data analysis presented in this report demonstrates that 1) nearly complete PCE source removal has taken place on the site and 2) the down-gradient shallow groundwater PCE plume continues to dissipate in response to natural attenuation processes. It is reasonable to assume that these natural attenuation processes will continue into the future. Based upon the analysis presented in this report, we predict that within approximately 25 years, the shallow groundwater down-gradient of the site will no longer be adversely affected. That is to say, the shallow groundwater PCE concentrations present in the current plume area will have attenuated to the California drinking water Maximum Contaminant Level (MCL) of 5 µg/L (ppb).

Since we have conclusively demonstrated that natural attenuation processes will ultimately provide maximum beneficial use of shallow groundwater in the future, on behalf of F.J. Federighi Trust B and Richard Sullivan, et al, we request that this case be closed by the California RWQCB.

If you have any questions, or would like to discuss any of the data presented in this report, please call me at (510) 620-0891.

Sincerely,

A handwritten signature in black ink, appearing to read "Gary Aguiar". The signature is fluid and cursive, with a long horizontal stroke at the end.

Gary Aguiar
Principal Engineer



HYDRO ANALYSIS, INC.

*Environmental & Water Resources Engineering
Groundwater Consultants*

JAN 12 2004

**SEMI-ANNUAL
MONITORING REPORT**

(reporting period 7/1/2003 through 12/31/2003)

EDEN CENTER
14883 East 14th Street
San Leandro, California

January 8, 2004

I. INTRODUCTION

The site location is the Eden Center property located at 14883 East 14th Street in San Leandro, California. The location of the site is shown in Figure 1. The various Eden Center monitoring wells and private water supply wells are shown in Figure 2.

This semi-annual monitoring report is provided in accordance with the Self-Monitoring Program required by Order No. 99-095 of the California Regional Water Quality Control Board (RWQCB), San Francisco Bay Region. The report 1) describes relevant work completed during the reporting period of July 1, 2003, through December 31, 2003, 2) provides documentation and analytical results for the most recent round of groundwater sampling conducted on December 2, 2003, and 3) provides documentation of continued PCE concentration attenuation in the shallow groundwater.

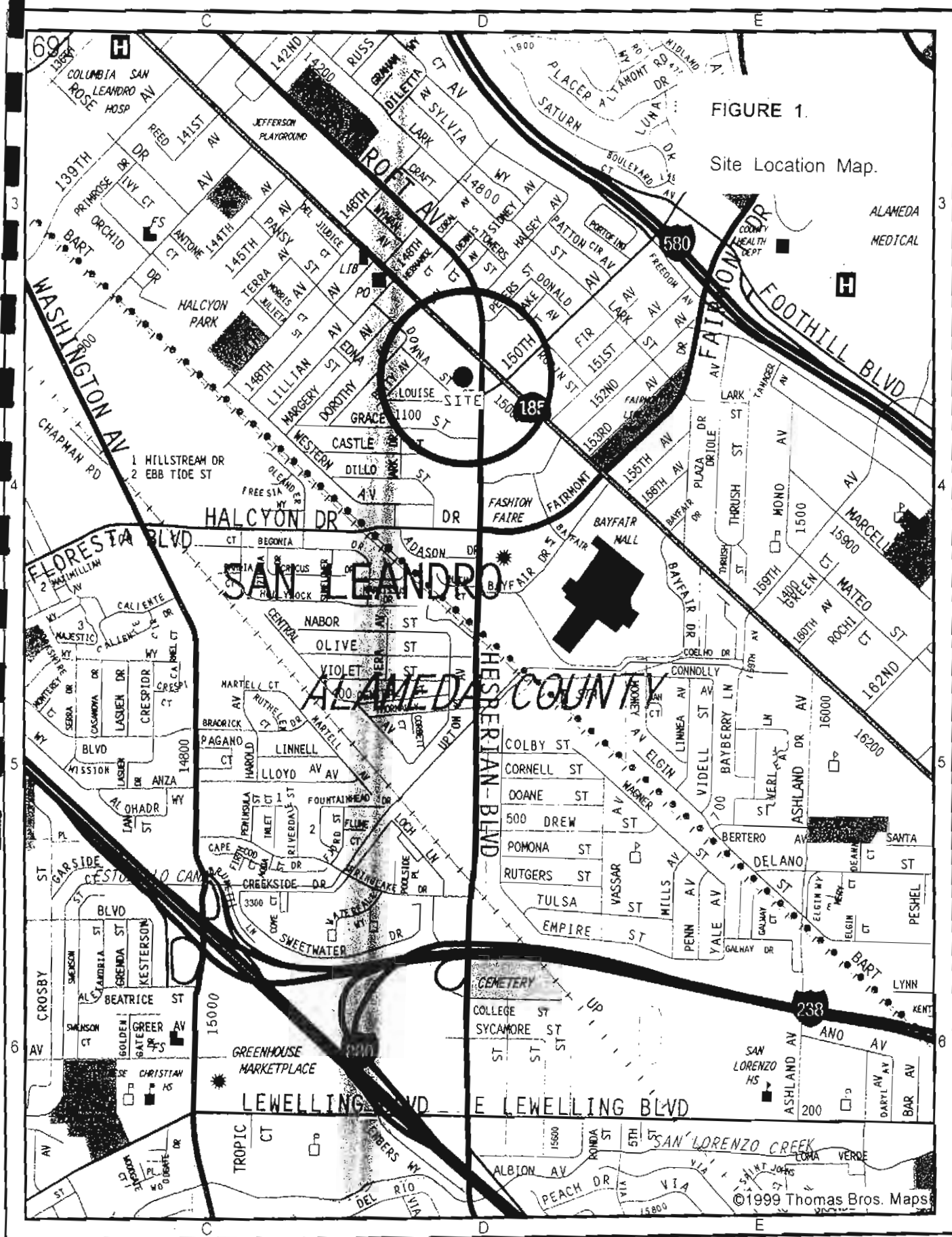


FIGURE 1.
Site Location Map.

ALAMEDA
MEDICAL

©1999 Thomas Bros. Maps

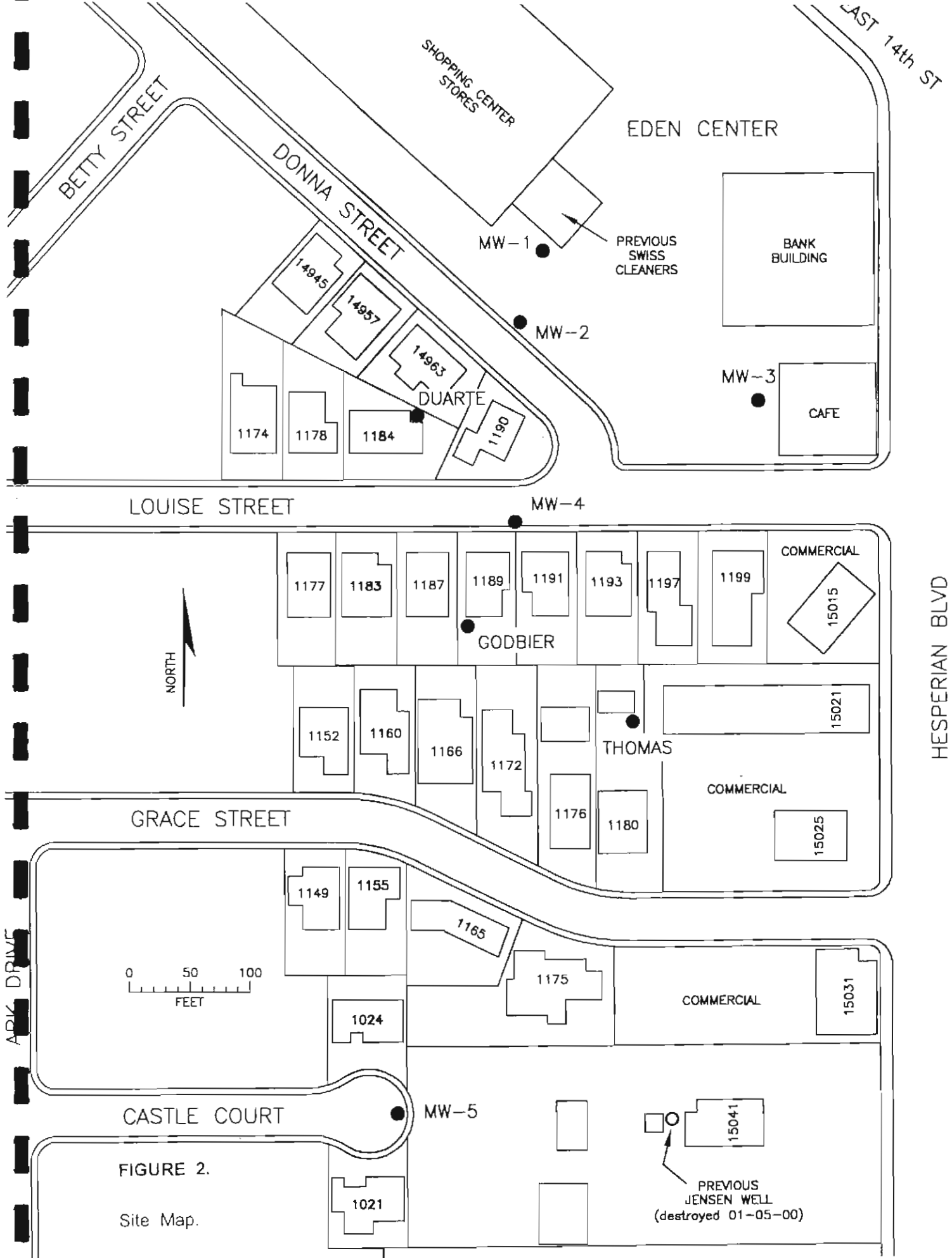


FIGURE 2.
Site Map.

II. STATUS REPORT

In accordance with RWQCB Order No. 99-095, the final active remedial actions were implemented during the previous semi-annual reporting period of January 1, 2000, through June 30, 2000. During that period, 1) the JENSEN water supply well was destroyed, 2) the additional off-site monitoring well MW-5 was installed and 3) the required institutional constraints were implemented. In accordance with RWQCB Order No. 99-09, the only required activities for this most recent reporting period was the semi-annual groundwater sampling event that was conducted on December 2, 2003, and the subsequent data analysis that is provided in this report.

In the most recent report titled "Two-Year Status Report and Semi-Annual Monitoring Report, Eden Center, 14883 East 14th Street, San Leandro, CA" by Hydro Analysis, Inc., dated November 30, 2001, the following modified monitoring schedule was proposed:

WELL	SAMPLING FREQUENCY
MW-1	annual
MW-3	annual
MW-4	semi-annual
MW-5	annual
GODBIER	semi-annual
DUARTE	annual
THOMAS	semi-annual

In a letter dated January 4, 2002, from Roger Brewer of the RWQCB to Federighi & Company, the modified monitoring schedule was approved. A copy of this letter is provided in Attachment A.

In accordance with the modified monitoring schedule, wells MW-1, MW-3, MW-4, MW-5, GODBIER, DUARTE and THOMAS were sampled during this current semi-annual reporting period.

III. FIELD WORK

Monitoring Well Sampling

On December 2, 2003, shallow groundwater samples were collected from monitoring wells MW-1, MW-3, MW-4 and MW-5 pursuant to the groundwater monitoring program and schedule approved by the RWQCB. Prior to sampling, each well was purged by bailing several casing volumes of water. Field conductivity, temperature, and pH meters were present on-site during the monitoring well sampling. As the purging process proceeded, the three parameters were monitored. Purging continued until readings appeared to have reasonably stabilized. A groundwater sample was subsequently collected using a new disposable sampling bailer. The water samples were placed inside appropriate 40 ml VOA vials free of any headspace. The samples were immediately placed on crushed ice, then transported under chain-of-custody to the laboratory.

At the time the monitoring well was sampled, the following information was recorded in the field: 1) depth-to-water prior to purging, using an electrical well sounding tape, 2) identification of any sheen or odor prior to purging, 3) sample pH, 4) sample temperature, and 5) specific conductance of the sample.

A copy of the monitoring well sampling log is provided in Attachment A.

Private Well Sampling

On December 2, 2002, the off-site private wells GODBIER, DUARTE and THOMAS were sampled. Prior to sampling, each well was purged by pumping out several casing volumes of water, using the existing pumping system at that location. Field conductivity, temperature, and pH meters were present on-site during the monitoring well sampling. As the purging process proceeded, the three parameters were monitored. Purging continued until readings appeared to have reasonably stabilized. A groundwater sample was collected from a spigot located as close as possible to the wellhead. The water samples were placed inside appropriate 40 ml VOA vials free of any headspace. The samples were immediately placed on ice, then transported under chain-of-custody to the laboratory.

At the time the private wells were sampled, the following information was recorded in the field: 1) identification of any sheen or odor prior to purging, 2) sample pH, 3) sample temperature, and 4) specific conductance of the sample.

Copies of the monitoring well sampling logs are provided in Attachment B.

IV. RESULTS OF WATER LEVEL MEASUREMENTS

Shallow Groundwater Flow Direction

Shallow water table elevations were measured on December 2, 2003, and are shown in Table 1. Figure 3 presents a contour map for the shallow groundwater table beneath the site. As shown in this figure, the data from the five existing Eden Center monitoring wells indicate that the shallow groundwater flow is in the southerly direction.

Shallow Water Table Hydraulic Gradient

Figure 3 presents the contour map for the shallow groundwater table beneath the site. As shown in this figure, the shallow groundwater table beneath the site had a calculated hydraulic gradient of $dH/dL = 1'/635' = 0.0016$ ft/ft.

Historical Water Level Measurements

Table 2 presents the results of all water level measurements collected between December 13, 1996, and the present time.

TABLE 1.
Shallow Water Table Elevations

December 2, 2003

Well	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Table Elevation (feet)
MW-1	38.45	13.49	24.96
MW-2	38.06	13.16	24.90
MW-3	36.90	12.11	24.79
MW-4	36.74	12.17	24.57
MW-5	34.69	10.81	23.88

Based upon City of San Leandro bench mark:
cinch nail on top-of-curb above SWI,
northeast corner Bancroft Avenue and East 14th Street.
Elev = 38.44 MSL

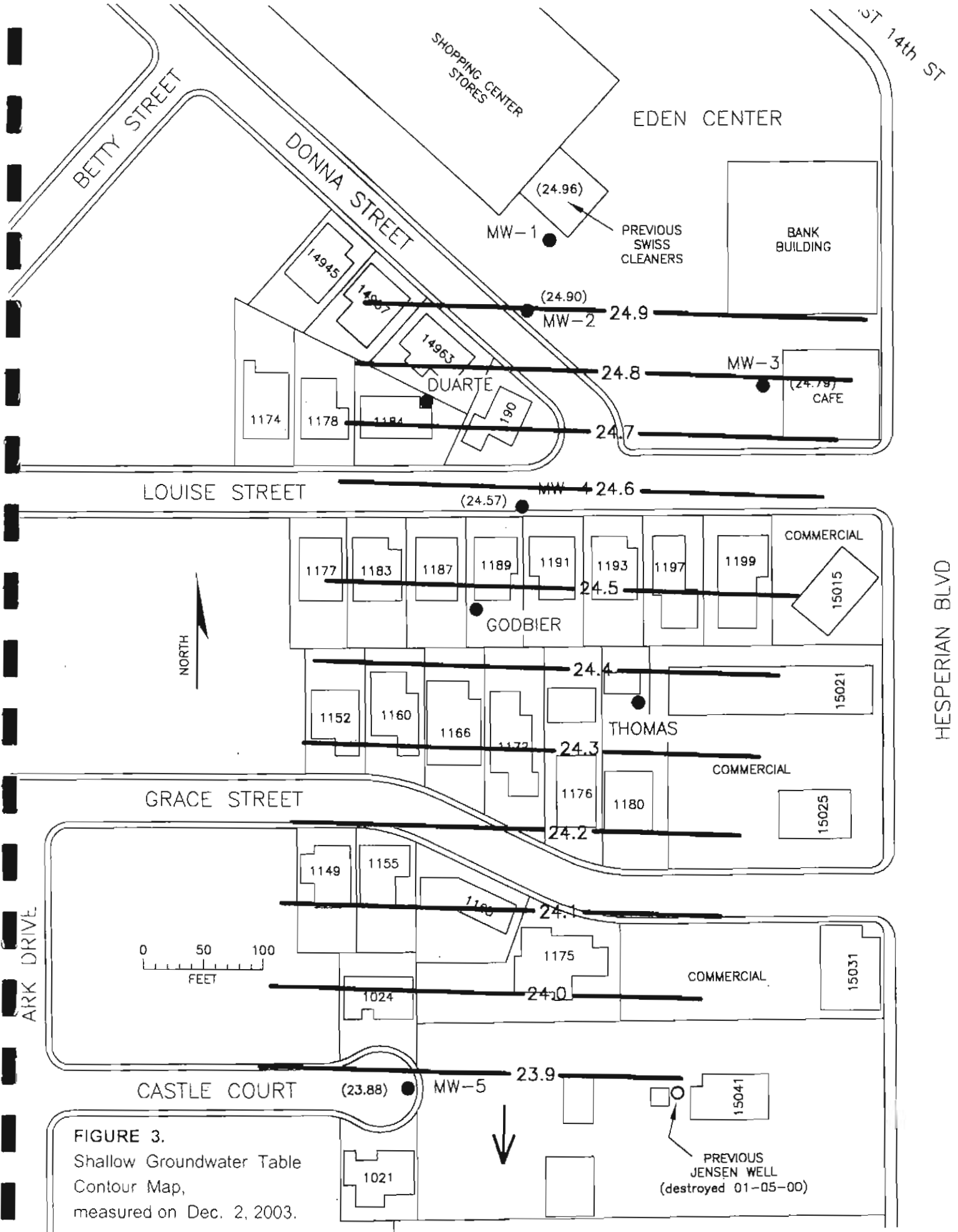


FIGURE 3.
 Shallow Groundwater Table
 Contour Map,
 measured on Dec. 2, 2003.

TABLE 2.

Historical Water Table Elevations
(feet)

Well	Date of Measurement								
	12-13-96	12-27-96	1-13-97	4-21-97	7-09-97	10-09-97	1-23-98	4-23-98	5-04-98
MW-1	26.75	27.67	28.71	28.60	26.33	25.15	29.06	29.37	29.21
MW-2	26.67	27.59	28.62	---	26.25	25.10	29.00	29.27	29.11
MW-3	26.58	27.28	28.24	27.22	26.04	24.95	28.57	---	28.52
MW-4	26.25	27.26	28.11	26.97	25.81	24.72	28.50	28.74	28.55
Flow Direction	S	SE	S	S	S	S	S	---	SE
Hydraulic Gradient	0.0024	0.0021	0.0031	0.0083	0.0023	0.0023	0.0032	---	0.0036

Well	Date of Measurement								
	7-31-98	10-01-98	1-22-99	4-21-99	7-26-99	10-25-99	05-09-00	11-09-00	05-21-01
MW-1	27.99	27.01	27.11	28.35	26.56	25.41	28.00	26.09	26.39
MW-2	27.90	26.91	27.02	28.26	26.48	25.35	27.92	26.02	26.31
MW-3	27.42	26.64	26.84	27.87	26.27	25.20	27.62	25.90	26.15
MW-4	27.33	26.38	26.53	27.68	26.00	24.63	27.36	25.59	25.89
MW-5	---	---	---	---	---	---	26.51	24.88	25.16
Flow Direction	S	S	S	S	S	S	S	S	S
Hydraulic Gradient	0.0036	0.0029	0.0029	0.0036	0.0027	0.0036	0.0026	0.0018	0.0016

TABLE 2 (continued).

Historical Water Table Elevations
(feet)

Well	Date of Measurement								
	11-05-01	5-7-02	12-23-02	5-22-03	12-02-03				
MW-1	24.52	26.70	27.40	27.31	24.96				
MW-2	24.48	26.62	27.31	27.22	24.90				
MW-3	24.38	26.43	27.23	26.97	24.79				
MW-4	24.12	26.17	26.85	26.75	24.57				
MW-5	23.50	25.43	26.11	24.94	23.88				
Flow Direction	S	S	S	S	S				
Hydraulic Gradient	0.0015	0.0018	0.0018	0.0036	0.0016				

V. ANALYTICAL RESULTS

Laboratory Analysis

All analyses were conducted by a California State DOHS certified laboratory in accordance with EPA recommended procedures. The laboratory analyses were performed by Severn Trent Services, Pleasanton, California.

Groundwater samples were analyzed for Halogenated Volatile Organic Compounds (EPA Method 8010 compounds by Method 8260B).

Analytical Results: Groundwater

Copies of the laboratory reports for the water sample analyses are provided in Attachment C.

Table 3 presents the results of the laboratory analysis of the most recent shallow groundwater samples collected from monitoring wells MW-1, MW-3, MW-4 and MW-5. In addition, the historical analytical results from all five existing Eden Center monitoring wells are also provided.

Table 4 presents the results of the laboratory analysis of the most recent groundwater samples collected from the off-site private wells GODBIER, DUARTE and THOMAS. In addition, the historical analytical results from the private off-site wells, including the previously destroyed JENSEN well, are also provided.

As shown in Table 3, for this most recent "round" of groundwater sampling, Tetrachloroethene (PCE) was detected in the shallow groundwater samples collected from wells MW-1, MW-3, MW-4 and MW-5 at concentrations of 19 µg/L (ppb), 6.2 µg/L (ppb), 70 µg/L (ppb), and 59 µg/L (ppb), respectively.

As shown in Table 4, for this most recent "round" of groundwater sampling, Tetrachloroethene (PCE) was detected in the groundwater samples collected from off-site private wells GODBIER, DUARTE and THOMAS at concentrations of 100 µg/L (ppb), 4.9 µg/L (ppb) and 150 µg/L (ppb), respectively.

TABLE 3.

Groundwater Sampling Results: Monitoring Wells

Well	Date	(TCE) Trichloro- ethene (ug/L)	(TCA) 1,1,1- Trichloro- ethane (ug/L)	(PCE) Tetrachloro- ethene (ug/L)	Other Compounds by EPA 601/8010 (ug/L)
MW-1	12-13-96	ND	ND	ND	ND
	12-27-96	ND	ND	1,500	ND
	01-13-97	ND	ND	1,200	ND
	04-21-97	0.90	ND	240	ND
	05-14-97	ND	ND	270	ND
	07-09-97	ND	ND	280	ND
	10-09-97	ND	ND	150	ND
	01-26-98	ND	ND	980	ND
	02-20-98	ND	ND	430	ND
	03-20-98	140	ND	200	80 (*)
	04-23-98	ND	ND	140	ND
	05-20-98	ND	ND	95	ND
	06-19-98	ND	ND	57	ND
	07-31-98	ND	ND	94	ND
	09-08-98	ND	ND	150	ND
	10-01-98	ND	ND	100	ND
	12-07-98	ND	ND	80	ND
	01-22-99	ND	ND	72	ND
	03-02-99	ND	ND	54	ND
	04-21-99	ND	ND	40	ND
	07-26-99	ND	ND	27	ND
	10-25-99	ND	ND	26	ND
	05-09-00	ND	ND	16	ND
	11-09-00	ND	ND	12	ND
	05-21-01	ND	ND	10	ND
	11-05-01	ND	ND	11	ND
	05-07-02	---	---	---	---
12-23-02	ND	ND	9.2	ND	
05-22-03	---	---	---	---	
12-02-03	ND	ND	19	ND	
Detection Limit		0.5	0.5	0.5	varies

ND = Not Detected

(*) Cis-1,2-Dichloroethene

TABLE 3. (continued)

Groundwater Sampling Results: Monitoring Wells

Well	Date	(TCE) Trichloro- ethene (ug/L)	(TCA) 1,1,1- Trichloro- ethane (ug/L)	(PCE) Tetrachloro- ethene (ug/L)	Other Compounds by EPA 601/8010 (ug/L)
MW-2	12-13-96	ND	ND	ND	ND
	12-27-96	1.8	ND	210	ND
	01-13-97	ND	ND	210	ND
	04-21-97	---	---	---	---
	05-14-97	ND	ND	110	ND
	07-09-97	ND	ND	110	ND
	10-09-97	ND	ND	110	ND
	01-26-98	ND	ND	170	ND
	04-23-98	ND	ND	56	ND
	05-20-98	ND	ND	24	ND
	06-19-98	ND	ND	20	ND
	07-31-98	ND	ND	30	ND
	10-01-98	ND	ND	31	ND
	12-07-98	ND	ND	19	ND
	01-22-99	ND	ND	33	ND
	03-02-99	ND	ND	26	ND
	04-21-99	ND	ND	26	ND
	07-26-99	ND	ND	18	ND
	10-25-99	ND	ND	14	ND
	05-09-00	---	---	---	---
	11-09-00	---	---	---	---
	05-21-01	---	---	---	---
	11-05-01	---	---	---	---
	05-07-02	---	---	---	---
	12-23-02	---	---	---	---
	05-22-03	---	---	---	---
12-02-03	---	---	---	---	
Detection Limit		0.5	0.5	0.5	varies

ND = Not Detected

TABLE 3. (continued)

Groundwater Sampling Results: Monitoring Wells

Well	Date	(TCE) Trichloro- ethene (ug/L)	(TCA) 1,1,1- Trichloro- ethane (ug/L)	(PCE) Tetrachloro- ethene (ug/L)	Other Compounds by EPA 601/8010 (ug/L)
MW-3	12-13-96	ND	ND	ND	ND
	12-27-96	1.4	ND	29	ND
	01-13-97	ND	ND	19	ND
	04-21-97	1.5	ND	26	ND
	05-14-97	---	---	---	---
	07-09-97	1.7	ND	32	ND
	10-09-97	1.8	ND	26	ND
	01-26-98	1.5	ND	24	ND
	04-23-98	---	---	---	---
	10-01-98	1.0	ND	37	ND
	01-22-99	0.66	ND	31	ND
	04-21-99	0.50	ND	35	ND
	07-26-99	ND	ND	32	ND
	10-25-99	ND	ND	25	ND
	05-09-00	ND	ND	23	ND
	11-09-00	ND	ND	16	ND
	05-21-01	0.57	ND	13	ND
	11-05-01	ND	ND	11	ND
	05-07-02	---	---	---	---
	12-23-02	ND	ND	8.5	ND
05-22-03	---	---	---	---	
12-02-03	ND	ND	6.2	ND	
Detection Limit		0.5	0.5	0.5	varies

ND = Not Detected

TABLE 3. (continued)

Groundwater Sampling Results: Monitoring Wells

Well	Date	(TCE) Trichloro- ethene (ug/L)	(TCA) 1,1,1- Trichloro- ethane (ug/L)	(PCE) Tetrachloro- ethene (ug/L)	Other Compounds by EPA 601/8010 (ug/L)
MW-4	12-13-96	ND	ND	ND	ND
	12-27-96	ND	ND	670	ND
	01-13-97	ND	ND	890	ND
	04-21-97	5.8	ND	360	ND
	05-14-97	---	---	---	---
	07-09-97	ND	ND	360	ND
	10-09-97	11	ND	590	ND
	01-23-98	5.2	ND	410	ND
	04-23-98	ND	ND	260	ND
	07-31-98	ND	ND	170	ND
	10-01-98	ND	ND	160	ND
	01-22-99	1.4	ND	140	ND
	04-21-99	2.4	ND	200	ND
	07-26-99	3.0	ND	140	ND
	10-25-99	3.6	ND	200	ND
	05-09-00	ND	ND	82	ND
	11-09-00	4.3	ND	220	ND
	05-21-01	5.8	ND	79	ND
	11-05-01	5.6	ND	150	ND
	05-07-02	ND	ND	48	ND
12-23-02	ND < 1	ND < 1	58	ND	
05-22-03	ND	ND	26	52 (*)	
12-02-03	1.7	ND	70	ND	
MW-5	05-09-00	ND	ND	31	ND
	11-09-00	ND	ND	44	ND
	05-21-01	1.6	ND	43	ND
	11-05-01	0.89	ND	44	ND
	05-07-02	---	---	---	---
	12-23-02	ND < 1	ND < 1	55	ND
	05-22-03	---	---	---	---
	12-02-03	ND	ND	59	4.1 (**)
Detection Limit		0.5	0.5	0.5	varies

ND = Not Detected

(*) Methylene Chloride

(**) Chloroform

TABLE 4.

Groundwater Sampling Results: Private Wells

Well	Date	(TCE) Trichloro- ethene (ug/L)	(TCA) 1,1,1- Trichloro- ethane (ug/L)	(PCE) Tetrachloro- ethene (ug/L)	Other Compounds by EPA 601/8010 (ug/L)
GODBIER	04-07-97	4.4	ND	350	ND
	10-09-97	8.3	ND	380	ND
	01-23-98	ND	ND	310	ND
	10-01-98	2.5	ND	98	ND
	01-21-99	3.1	ND	160	ND
	04-21-99	3.6	ND	120	ND
	07-26-99	5.9	ND	110	ND
	10-25-99	5.6	ND	220	ND
	05-08-00	5.1	ND	130	ND
	11-09-00	13	ND	140	ND
	05-21-01	5.6	ND	130	ND
	11-05-01	10	ND	160	ND
	05-07-02	3.5	ND	82	ND
	12-23-02	ND <2.5	ND <2.5	80	ND
	05-22-03	2.9	ND	71	ND
	12-02-03	6.8	ND	100	ND
DUARTE	04-07-97	0.68	ND	23	ND
	10-09-97	1.1	ND	25	ND
	01-23-98	1.2	ND	27	ND
	09-29-98	ND	ND	7.9	ND
	01-21-99	ND	ND	7.9	ND
	04-21-99	ND	ND	5.6	ND
	07-26-99	ND	ND	10	ND
	10-25-99	ND	ND	14	ND
	05-08-00	ND	ND	6.8	ND
	11-10-00	ND	ND	3.3	ND
	05-22-01	ND	ND	5.0	ND
	11-05-01	ND	ND	7.1	24 (*)
	05-07-02	---	---	---	---
	12-23-02	ND	ND	2.0	3.7 (*)
	05-22-03	ND	ND	3.4	ND
	12-02-03	ND	ND	4.9	ND
Detection Limit		0.5	0.5	0.5	varies

ND = Not Detected

(*) Dichloro-difluoromethane

TABLE 4. (continued)

Groundwater Sampling Results: Private Wells

Well	Date	(TCE) Trichloro- ethene (ug/L)	(TCA) 1,1,1- Trichloro- ethane (ug/L)	(PCE) Tetrachloro- ethene (ug/L)	Other Compounds by EPA 601/8010 (ug/L)
THOMAS	05-07-97	11	ND	160	4.5 (*)
	10-14-97	10	ND	200	3.4 (*)
	01-23-98	12	ND	220	4.0 (*)
	09-29-98	17	ND	360	2.9 (*)
	01-21-99	9.5	ND	200	1.3 (*)
	04-21-99	11	ND	210	1.2 (*)
	07-26-99	16	ND	200	ND
	10-25-99	13	ND	270	ND
	05-08-00	14	ND	250	ND
	11-10-00	12	ND	230	ND
	05-22-01	16	ND	230	ND
	11-05-01	14	ND	190	ND
	05-07-02	7.2	ND	130	ND
	12-23-02	3.8	ND < 2.5	83	ND
	06-12-03	10	ND < 1	140	ND
12-02-03	11	ND < 1	150	ND	
JENSEN (before purging) (after purging)	09-16-97	ND	ND	ND	ND
	10-14-97	2.5	ND	53	ND
	10-30-97	2.8	ND	41	ND
	10-30-97	1.9	ND	35	ND
	11-26-97	1.4	ND	51	ND
	01-23-98	1.7	ND	51	ND
	04-23-98	0.90	ND	32	ND
	08-04-98	ND	ND	52	ND
	10-01-98	0.90	ND	35	ND
	01-21-99	0.60	ND	48	ND
	04-21-99	0.68	ND	49	ND
	07-27-99	0.96	ND	42	ND
	10-26-99	1.20	ND	57	ND
well destroyed on January 5, 2000					
Detection Limit		0.5	0.5	0.5	varies

ND = Not Detected

(*) Cis-1,2-Dichloroethene

VI. DATA ANALYSIS

PCE Plume Definition

Figure 4 presents an iso-concentration map for PCE in the shallow groundwater, based on the analytical data for the most recent round of groundwater sampling conducted on December 2, 2003.

As indicated by the plot in Figures 4, the PCE plume continues to be elongated in a north-south orientation that corresponds with the local shallow groundwater flow direction, from the previous location of the Swiss Cleaners toward Louise and Grace Streets.

The iso-concentration map shown in Figure 4 reflects the continued attenuation of PCE concentrations in the shallow groundwater. Prior to the commencement of the on-site remediation activities (late January 1998), concentrations in excess of 1,000 $\mu\text{g/L}$ (ppb) were known to exist in shallow groundwater beneath the site. In addition, the 100 ppb PCE contour surrounded the Swiss Cleaners location at that time. As shown in Figure 4, the 100 ppb line at the present time has receded to a location that is now down-gradient of monitoring well MW-4.

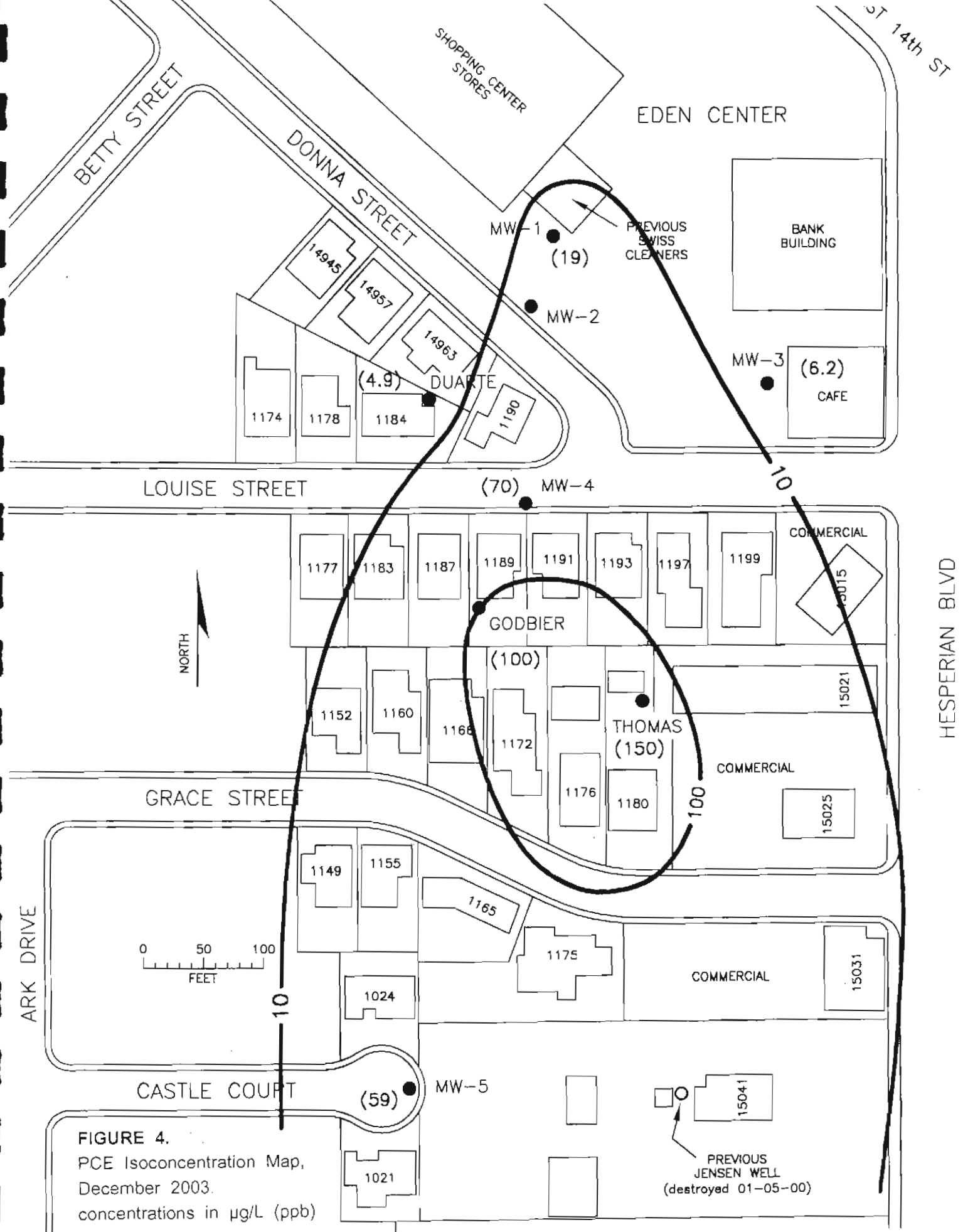


FIGURE 4.
PCE Isoconcentration Map,
December 2003.
concentrations in µg/L (ppb)

Concentration Trends

In order to monitor the continued natural attenuation of PCE concentrations in the shallow groundwater, plots of PCE concentrations in shallow groundwater versus time for various on- and off-site monitoring wells have been prepared. Plots of PCE concentrations in shallow groundwater versus time for on-site monitoring wells MW-1 and MW-3 are shown in Figures 5 and 6, respectively. These plots illustrate the effectiveness of the previous source removal activities. On-site dissolved PCE concentrations in the shallow groundwater are approaching the drinking water MCL concentration of 5 µg/L (ppb).

Plots of PCE concentrations in shallow groundwater versus time for off-site monitoring well MW-4, off-site private well GODBIER, and off-site private well THOMAS, are shown in Figures 7, 8 and 9, respectively. All of these plots illustrate the continued downward trend in dissolved PCE concentrations being detected in the shallow groundwater down-gradient of the site.

Projected Future Concentration Attenuation

The previous data analysis has demonstrated that 1) nearly complete PCE source removal has taken place on the site and 2) the down-gradient shallow groundwater PCE plume continues to dissipate in response to natural attenuation processes. Since it is reasonable to assume that these natural attenuation processes will continue into the future, we are able to estimate the time required to achieve concentrations that are consistent with potential future beneficial use of the shallow groundwater (drinking water).

Projections of concentration trendlines into the future for the GODBIER and THOMAS wells are shown in Figures 10 and 11. Each trendline is a mathematical fit through the existing data points, which is then projected forward at the same rate of decrease in concentration. Based upon the current concentration trends, we predict that the shallow groundwater PCE concentrations present in the current plume area will have attenuated to the California drinking water Maximum Contaminant Level (MCL) of 5 $\mu\text{g/L}$ (ppb) in approximately 25 years.



California Regional Water Quality Control Board

San Francisco Bay Region



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Gray Davis
Governor

Date: January 4, 2002
File No. 01S0446 (RDB)

F.J. Federighi Trust B
and Richard Sullivan, et. al.
c/o Mr. Douglas Federighi
1051 MacArthur Boulevard
San Leandro, CA 94577-3095

SUBJECT: Approval of Technical Report on *Two-Year Status and Semi-Annual Monitoring*,
and Request For Additional Technical Reports, Eden Center, 14883 East 14th
Street, San Leandro, Alameda County

Dear Mr. Federighi:

This letter responds to your November 2001 technical report *Two-Year Status and Semi-Annual Monitoring* for the property located at 14883 East 14th Street in San Leandro. The report was submitted in compliance with Task 4 of Board Order 99-095 for the site. I approve this technical report and concur with the proposed schedule for additional monitoring of groundwater. As discussed below, I concur with the proposed monitoring schedule. **Technical reports that summarize the results of groundwater monitoring data must be submitted to my office on a semi-annual basis and within 60 days of the completion of the groundwater monitoring event.**

Background

A dry cleaner formally operated at the site. Soil and groundwater impacts by tetrachloroethylene (PCE) were identified in investigations carried out at the site. Concentrations of up to 3,300 ug/L PCE were reported in groundwater samples initially collected at the site. A soil vapor extraction and groundwater sparging system was put into operation in 1997 and operated for a period of approximately two years. During this time, the mass of PCE remaining in the soil was significantly reduced. Quarterly groundwater monitoring has demonstrated a significant reduction in the concentration of PCE in groundwater immediately adjacent to the former release, to a low of 11 ug/L reported in the latest sampling event (November 2001). The offsite extent of the plume has been adequately defined, with a maximum concentration of 190 ug/L PCE reported in the latest round of sampling. Future use of the site has been restricted to industrial/commercial use in a covenant to the deed. Use of groundwater beneath the site for domestic, agricultural or industrial purposes is prohibited in the covenant.

Your report concluded that the extent and magnitude of groundwater impacts had been reduced to a level that did not require additional, active remediation. Your report also recommended that the frequency of groundwater monitoring be reduced from quarterly to semi-annual and annual,

Mr. Douglas Federighi

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depending on the well being monitored, and that summary reports be submitted on a semi-annual basis.

Report Approval

I concur with your conclusion that no further active remediation is required for identified soil and groundwater impacts. I also concur with your proposed, adjusted schedule of groundwater monitoring. **In accordance with the Self Monitoring Program presented in Board Order Board Order 95-213, you are required to submit results of the groundwater monitoring to my office no later than 60 days following the end of each sampling event, with the next event anticipated to take place this summer.** Following the proposed two-year period of groundwater monitoring, the need for additional monitoring of groundwater at the site should be evaluated in terms of applicable drinking water standards. A proposal for closure of the site or additional monitoring should be included in the second annual report.

If you have any questions, please contact Roger Brewer of my staff at (510) 622-2374 [e-mail rdb@rb2.swrcb.ca.gov].

Sincerely,



Stephen A. Hill
Toxics Cleanup Division Chief

For Loretta K. Barsamian
Executive Officer

cc: Roger Brewer

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