Technology, Engineering & Construction, Inc.
262 Michelle Court • So. San Francisco, CA 94080-6201 • Contractor's Lic. #762034
Tel: (650) 616-1200 • Fax: (650) 616-1244 • www.tecaccutite.com

March 27, 2006

2006 APR -6 PM 2:08

Alameda County
APR 07 2006
Environmental Health

Mr. Amir K. Gholami, REHS
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Division of Environmental Protection
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502-6577

SUBJECT: **SITE CONCEPTUAL MODEL**

SITE: **Olympian Service Station**
8515 San Leandro Street,
Oakland, California
Fuel Leak Case #RO0002516

Dear Mr. Gholami:

On behalf of Olympian, TEC Accutite is pleased to submit this Site Conceptual Model report for the above referenced site.

If you have any questions or require additional information, please contact the undersigned at (650) 616-1208.

Sincerely,
TEC Accutite

Jing Heisler, PG, CHG

Cc: Ms. Janet Heikel, Olympian
Mr. and Mrs. Ruben Hausauer
Mr. Dan Koch, Nella Oil Company

SITE CONCEPTUAL MODEL

OLYMPIAN SERVICE STATION
8515 SAN LEANDRO STREET
OAKLAND, CA

MARCH 2006

PREPARED FOR:

OLYMPIAN
AND
ALAMEDA COUNTY ENVIRONMENTAL HEALTH

ACCUTITE

TABLE OF CONTENTS

TABLES

FIGURES

ATTACHMENTS

1.0 INTRODUCTION

On behalf of Olympian, TEC Accutite prepared this Site Conceptual Model (SCM) for the former Olympian service station located at 8515 San Leandro Street in Oakland, California (Figure 1). This SCM is to respond the request of a stand-alone document of SCM from the Alameda County Environmental Health (ACEH) in a letter, received December 19, 2005 (Attachment A). The SCM was completed to identify potential exposure pathways, evaluate environmental conditions, and assess the risks site hydrocarbons pose to public health and the environment.

2.0 SITE BACKGROUND AND ENVIRONMENTAL CONDITIONS

2.1 Site Description

The site is located near the corner of San Leandro Street and 85th Avenue in Oakland, CA. Since 1995, the site has been occupied by a cardlock gasoline service station. Station facilities consisted of one 12,000-gallon gasoline underground storage tank (UST), one 5,000-gallon gasoline UST, one 8,000-gallon gasoline UST, one 15,000-gallon diesel UST and four dispenser islands (Figure 2). The USTs and dispensing facilities are in compliance with 1998 upgrade requirements (City of Oakland, EHS upgrade compliance certificate # 11815) (GHH, 2002).

The topography of the subject site is flat with an elevation of approximately 5 to 10 feet above mean sea level. The site is situated in a heavy industrial area. The site is currently operated by Nella Oil Company as a fuel service station.

2.2 Environmental Background

June 1994, Phase I ESA and Phase II Soil Analysis: Artesian Environmental Consultants conducted a Phase I Environmental Site Assessment (ESA) and performed soil analysis at the subject site. Phase II sample results showed that the site was free of any petroleum hydrocarbons.

June 2002, Environmental Baseline Report: In May 2002, as part of a business transaction between Olympian and Nella Oil Companies, GHH Engineering, Inc. (GHH) conducted a baseline environmental review of the subject site. GHH staff inspected the property and stated that the subject property appeared clean and free of any notable petroleum hydrocarbon staining that could be indicative of surface spills. The oil/water separator appeared to be in good condition, with no evidence of cracks or significant staining.

GHH advanced a total of seven soil borings, collected seven soil samples and one grab groundwater sample from the area of the underground storage tanks (USTs) and dispenser islands. Baseline sampling showed the presence of 238 milligram per kilogram (mg/kg) total petroleum hydrocarbons as motor oil (TPH-mo) in a soil sample taken near the dispenser area, 80 mg/kg total recoverable petroleum hydrocarbons in a soil sample taken at the oil/water separator area, and 7.0 microgram per liter (µg/L) methyl-tert-butyl ether (MTBE) in a groundwater sample taken in the UST area.

March 2003, Notice of Responsibility: On March 14, 2003, Olympian received a notice letter from ACEH that the site has been placed in the Local Oversight Program and has identified Olympian Oil as the primary or active responsible party.

January 2004, Site Status: On January 22, 2004, TEC Accutite prepared a letter report to summarize the site status. TEC Accutite recommends drilling and collecting additional soil and groundwater samples from this site to complete the site characterization. The ACEH concurred with TEC Accutite's recommendations in a regulatory letter dated March 6, 2006.

On December 19, 2005, Olympian received a letter from the ACEH requesting a summary of the site and a stand-alone document of site conceptual model. In response to this request, TEC Accutite has prepared this report to summarize overall site investigation results and evaluate the appropriateness for site closure.

3.0 SENSITIVE RECEPTOR SURVEY

3.1 Well Survey Results

A search of Alameda County Public Works Department well records were reviewed for wells within a 2,000 foot radius of the site. A total of 40 active wells were identified within the survey area. Of the 40 wells, 36 were monitoring wells associated with various site investigations and with depths varying from 15 to 30 fbg; 1 well was irrigation well with depth 175 fbg and located upgradient of the site; 2 wells were identified as test wells with depths of 20 and 25 fbg; and a single piezometer was identified with a depth of 20 fbg. Well survey map, construction details and approximate location descriptions are presented in Attachment B. As shown in well survey map, no wells were located in the downgradient direction (south-south west) from the site.

No drinking water wells were identified within the survey radius (Attachment B). The site's current source of drinking water is the East Bay Municipal Utility District. According to Mr. Craig Johnston at the Alameda County Public Works Agency, there is virtually no domestic consumption in the entire East Bay Plain, from the north boundary of Alameda County south to Union City. Mr. Johnston stated that the local groundwater quality is monitored by the State of California and has been becoming salty, due to unspecified influences (Artesian, 1994).

3.2 Local Surface Water

The nearest surface water is an unmarked channel draining to San Leandro Bay which is located approximately 700 feet north of the subject property. San Leandro Bay connected to the San Francisco Bay is located approximately 1 mile west of the site.

3.3 Groundwater Designation

The site is situated within the South Bay Basin. Groundwater within the South Bay Plain Basin has been designated as potentially suitable for municipal and industrial use (CRWQCB, 1995).

3.4 Others

Tassafaronga Community Park is located approximately 2,000 feet east of the site at the corner of 83rd Avenue and E Street in an upgradient direction. No hospitals, libraries, schools, childcare centers are identified within the 2,000 foot search radius.

4.0 SITE CONCEPTUAL MODEL

4.1 Geology and Hydrogeology

The site is located on the bay plain deposits of the San Francisco Bay consisting of shallow marine and continental deposits known as the "Bay Mud". Sediments beneath the site consist mainly of silty or sandy clay to a maximum explored depth of 17 fbg. Geological boring logs are presented in Attachment C. Site geology is depicted on Figure 3 in the form of simplified cross sections that extend from southwest to

northeast (A-A'). The diagrams are schematic and are drawn to illustrate the soil types based on borings data. The ground surface is assumed to be flat since no surveyed data is available to draw to scale.

The groundwater flow direction, inferring the flow direction from the surface topography, is to the south/southwest (toward San Francisco Bay). Depths to first encountered groundwater were from 9.5 to 11 feet below ground (fbg) (Artesian, 1994).

4.2 Hydrocarbon Source

No leakage was reported. No surface spills were noticed. Chemical concentrations were either not detected or detected at non-significant level, suggesting that no significant release occurred.

No free product has been observed or reported from previous site investigations.

4.3 Site Characterization

Soil

A total of 9 soil samples were analyzed during the previous site investigations. As shown in Table 1, TPH as motor oil was detected at one location (GP-6), at the eastern end of dispenser island close to San Leandro Street. Total recoverable petroleum hydrocarbon was detected at one location (GP-7), near the vicinity of the oil/water separator tank. MTBE was detected at one location (GP-5) in the dispenser island area. However, all these detections were low and below the applicable environmental screening levels (ESLs) which are based on residential land use and assuming groundwater is not current or potential source of drinking water. Based on past boring investigations and subsurface characteristics, large concentrations of hydrocarbons are unlikely to be residual in soil.

Groundwater

A total of 3 groundwater samples were analyzed during the previous investigation. As indicated in Table 2, MTBE was only detected in one groundwater sample (GP-1) at a concentration of 7 µg/L. The MTBE detection was below the ESL of 1,800 µg/L, assuming groundwater is not current or potential drinking water resource; and slightly above the ESL of 5 µg/L, assuming groundwater is current or potential drinking water resource. Therefore, no significant concentrations of hydrocarbons were found in groundwater.

Given the projected groundwater flow direction and low hydrocarbon concentrations, it is unlikely that site hydrocarbons present any risk to the sensitive receptors as described in Section 3.0.

5.0 CONCLUSIONS AND NEXT STEP

Based on the review of the available information to date, the site is qualified for "Site Closure" as a "Low Risk Groundwater Case" as described below:

1) No significant release was identified;

2) The site has been characterized. Soil samples were collected from dispenser islands area and the results were all less than ESLs suggesting no leaching concern. Groundwater sample was collected at downgradient of UST area and the result was less than the applicable ESL. The data summary table as requested by ACEH is included in Attachment D.

3) No plume exists; petroleum hydrocarbon concentrations were less than the ESLs in soil and groundwater;

4) No water wells or other sensitive receptors are likely to be impacted;

5) The site presents no significant risk to human health;

6) The site presents no significant risk to the environment.

TEC Accutite just received a directive letter, dated March 6, 2006, via fax from ACEH requesting the completion of a site characterization workplan (Attachment E). In response to the ACEH request, a draft workplan is being prepared and e-mailed to the ACEH for review on March 27, 2006. TEC Accutite will discuss with the ACEH the scope of work of the workplan, if determined to be necessary, during our scheduled meeting on March 29, 2006. Based on the results of the meeting, a case closure or further site investigation will be determined.

6.0 LIMITATIONS

Our services consist of professional opinions, conclusions and recommendations made today in accordance with generally accepted engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied. TEC Accutite's liability is limited to the dollar amount of the work performed.

This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk. Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

TEC Accutite would like to thank you in advance for your assistance and prompt attention to this matter. If you have any questions or comments, please feel free to contact Jing Heisler at (650) 616-1208.

Sincerely,
TEC Accutite

Prepared by:

Jing Heisler, PG, CHG.
Project Manager

PROFESSIONAL GEOLOGIST
JING HEISLER
No. 666
CERTIFIED HYDROGEOLOGIST
Exp. 2/28/07
STATE OF CALIFORNIA

Reviewed by:

Nicholas B. Haddad
Environmental Director

cc: Ms. Janet Heikel, Olympian
Mr. and Mrs. Ruben Hausauer
Mr. Dan Koch, Nella Oil Company

7.0 REFERENCES

- California Regional Water Quality Control Board, "*Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater*", Interim Final – February 2005.

- Artesian, 1994. Artesian Environmental Consultants, Inc., "*Phase I Environmental Site Assessment Phase II Soil Analysis*", June 9 1994.

- GHH, 2002. GHH Engineering, Inc., "*Environmental Baseline Report*", June 2002.

- TEC, 2004. TEC Accutite, "*Site Status*", January 22, 2004.

TABLE 1
Soil Sampling Results
8515 San Leandro Street
Oakland, California

Sample ID	Sample Depth (fbg)	Date Collected	TPH as					Volatile Organic Compounds (EPA 8260B)												Methanol
			Gasoline (mg/kg)	Diesel (mg/kg)	TRPH (mg/kg)	Motor Oil (mg/kg)	Oil & Grease (mg/kg)	Benzene (ug/kg)	Toulene (ug/kg)	Ethyl-benzene (ug/kg)	Xylenes (ug/kg)	EDB (ug/kg)	1,2-DCA (ug/kg)	DIPE (ug/kg)	ETBE (ug/kg)	MTBE (ug/kg)	TAME (ug/kg)	TBA (ug/kg)	Ethanol (ug/kg)	(ug/kg)
Borings by Artesian Environmental																				
B5/B6	5	5/26/1994	NA	NA	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B1/B2/B3/B4/B7	5	5/25/1994	<1.0	NA	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	NA	<5.0	NA	NA	NA	NA	NA	NA	NA
Borings by GHH Engineering																				
GP1@5'	5	5/15/2002	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP2@5'	5	5/15/2002	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP3@5'	5	5/15/2002	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP4@5'	5	5/15/2002	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP5@5'	5	5/15/2002	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND
GP6@5'	5	5/15/2002	ND	ND	NA	238	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP7@5'	5	5/14/2002	NA	NA	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ESLs For Soil Assuming Groundwater as Non-Drinking Water Resource:																				
		Residential Land Use	100	100	100	500	500	180	9,300	32000	11000	NA	25	NA	NA	2,000	NA	57,000	45,000	NA
		Commercial Land Use	400	500	500	1,000	1,000	380	9,300	32000	11000	NA	70	NA	NA	5,600	NA	110,000	45,000	NA

Abbreviations:

fbg	feet below grade
TPH	Total Petroleum Hydrocarbons
mg/kg	Milligrams per Kilogram
ug/kg	Micrograms per Kilogram
ND	Non-Detect, below the method detection limit
NA	Not analyzed or not available
1,2-DCA	1,2-dichloroethane
DIPE	Di-isopropyl ether
EDB	Ethyldibromide
ETBE	Ethyl tertiary butyl ether
MTBE	Methyl tert butyl ether
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TRPH	Total recoverable petroleum hydrocarbons
ESL	Environmental Screening Limit established by California Regional Water Quality Control Board – San Francisco Bay Region, Screening For Environmental Concerns At Sites With Contaminated Soil And Groundwater; Februay 2005.

Notes:

Data of samples collected by Artesian Environmental obtained from Phase I Environmental Site Assessment Phase II Soil Analysis report, dated June 9, 1994.
Data of samples collected by GHH Engineering obtained from Environmental Baseline Report, dated June 2002.

TABLE 2
Groundwater Sampling Results
8515 San Leandro Street
Oakland, California

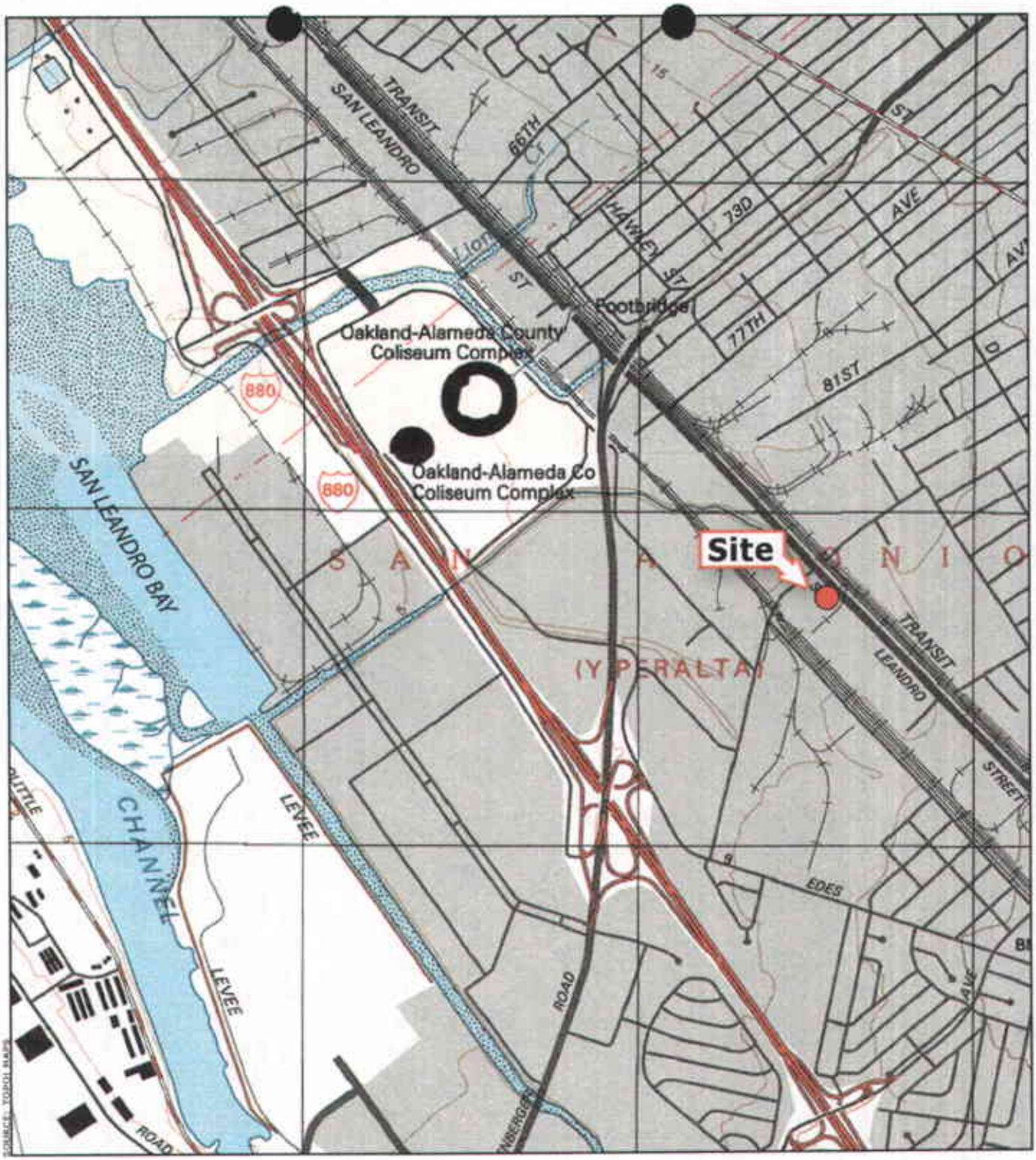
Sample ID	Sample Depth (fbg)	Date Collected	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Volatile Organic Compounds (EPA 8260B) Benzene (ug/L)	Toulene (ug/L)	Ethyl-benzene (ug/L)	Xylenes (ug/L)	EDB (ug/L)	1,2-DCA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Methanol (ug/L)
Grab groundwater sample collected by Artesian Environmental																	
WB1	9.5	5/25/1994	<70	<50	<0.5	<0.5	<0.5	<0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
WB7	9.5	5/26/1994	<70	<50	<0.5	<0.5	<0.5	<0.8	NA	<2	NA	NA	NA	NA	NA	NA	NA
Grab groundwater sample collected by GHH Engineering																	
GP-1	7	5/15/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	ND	ND	ND	ND
ESLs For Groundwater Assuming Groundwater as Non-Drinking Water Resource:			500	640	46	130	290	100	NA	200	NA	NA	1,800	NA	18,000	50,000	NA
ESLs For Groundwater Assuming Groundwater as Drinking Water Resource:			100	100	1	40	30	20	NA	0.5	NA	NA	5	NA	12	50,000	NA

Abbreviations:

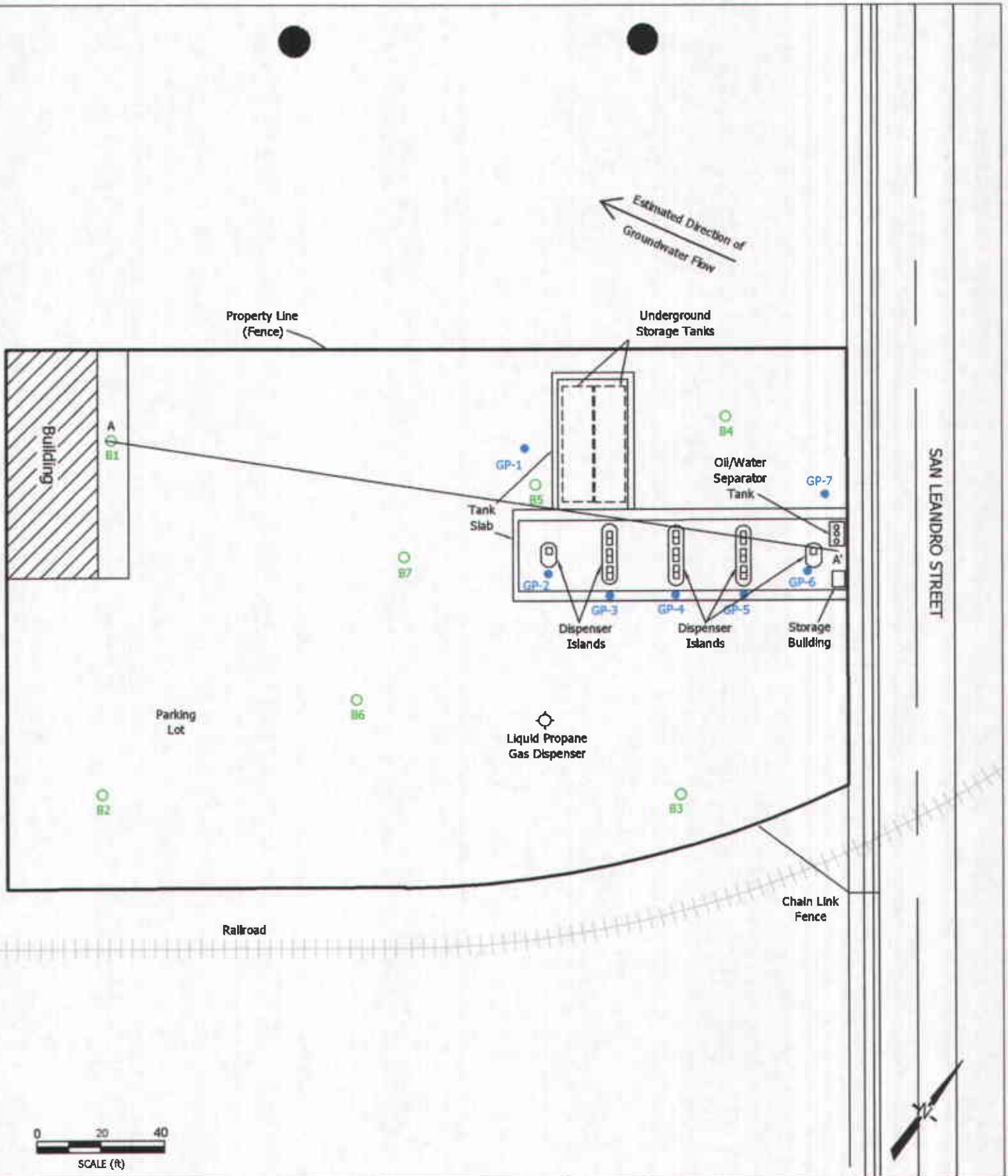
fbg	feet below grade
TPH	Total Petroleum Hydrocarbons
mg/kg	Milligrams per Kilogram
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ND	Non-Detect, below the method detection limit
NA	Not analyzed or not avaliable
1,2-DCA	1,2-dichloroethane
DIPE	Di-isopropyl ether
EDB	Ethyldibromide
ETBE	Ethyl tertiary butyl ether
MTBE	Methyl tert butyl ether
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TRPH	Total recoverable petroleum hydrocarbons
ESL	Environmental Screening Limit established by California Regional Water Quality Control Board – San Francisco Bay Region, Screening For Environmental Concerns At Sites With Contaminated Soil And Groundwater; Februay 2005.

Notes:

Data of samples collected by Artesian Environmental obtained from Phase I Environmental Site Assessment Phase II Soil Analysis report, dated June 9, 1994.
Data of samples collected by GHH Engineering obtained from Environmental Baseline Report, dated June 2002.



ACCUTITE 262 Michelle Court So. San Francisco, CA 94080 T: (650) 616-1200 F: (650) 616-1244	Date: 03/07/2006 Bid #: 703-0 Drawn by: LC	N	Figure: 1	**VICINITY MAP** Site: 8515 San Leandro Street Oakland, California



TEC ACCUTITE
262 Michelle Court
So. San Francisco, CA 94080
Main: (650) 616-1200
Fax: (650) 616-1244

LEGEND

DATE: 03/23/2006

BID NO:

DRAWN BY: LC

Locations are estimated.

Map source:
Artesian, 1994
GHH, 2002

○ B1 1994 Borings (B-series) by Artesian Environmental

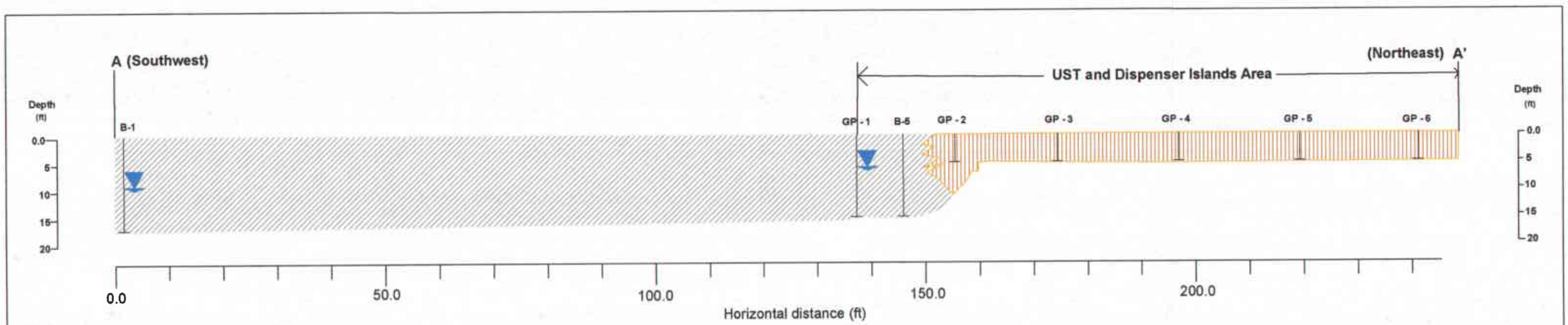
● GP-1 2002 Borings (GP-series) by GHH Engineering

A —— A' Geologic Cross-Section

FIGURE: 2

Site Map With Sampling Location

SITE: 8515 San Leandro Street
Oakland, California



Legend

- Sandy Silt
- Silty Clay
- ⊥ Borings
- Groundwater Level (May 26, 1994)
- (ft) feet

Borings are not surveyed. Locations are estimated.

TEC ACCUTITE 262 MICHELLE COURT SOUTH SAN FRANCISCO CALIFORNIA	DRAWN BY: DrRao Date:3/27/2006	SITE: 8515 SAN LEANDRO AVENUE OAKLAND, CALIFORNIA	FIGURE 3: GEOLOGIC CROSS-SECTION

ATTACHMENT A

REGULATORY LETTER
REQUESTING DATA SUMMARY TABLE AND
SITE CONCEPTUAL MODEL

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

rcvd 12/19/05

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700 Fax (510) 337-9335

JANET HEIKEL
~~2000 ALAMEDA DE LAS PULGAS STE 242, SAN MATEO, CA 94403~~ 1300 INDUSTRIAL Rd, #2
SAN CARLOS, CA 94070

RE:RO0002516 OLYMPIAN #975 8515 SAN LEANDRO
OAKLAND CA

Dear Mr.HEIKEL:

Please be advised that I have been recently assigned to oversee the above referenced site. Therefore, all documents, reports, and correspondences should be addressed to my attention. In fact, I have received numerous other "new cases", which I need to get familiar with and proceed forward as soon as practicable. In order to keep continuity and to reduce confusion, I will try to follow up on the work/guidelines previously requested by my colleague of this office.
However, to expedite this so called "familiarization" process, please fill out and submit to me the attached table as soon as possible. I would appreciate it if you could fill out the attached table with the latest information regarding concentrations, etc and send it to me via an email attachment. My email address is amir.gholami@acgov.org .

Site Address:

Depth to groundwater	
Groundwater flow gradient and speed	
Benzene (ppb)	
Toluene (ppb)	
Ethylbenzene (ppb)	
Xylene (ppb)	
MTBE (ppb)	
TPHg (ppb)	
TPHd (ppb)	
Solvents if any (ppb)	
Heavy Metals if any	
Well Screen levels (for each monitoring well)	
Date information collected for concentrations	
Plume Stability: increasing or decreasing or stable?	
Any"Active Remediation" occuring presently or past?	
Other Pertinent Information regarding this site, such as whether any of the following has been performed: the plume is defined (vertically & horizontally) in soil & GW, SCM ,Risk Assessment, ESL comparison for Soil /GW, Sensitive Receptor survey, Soil Vapor analysis, etc. What is left in soil/Gw presently? (Please use additional attachment(s) if necessary)	

Additionally please provide a hard copy of a **stand-alone document**, which includes a site conceptual model (SCM), which incorporates the following items:

- Summary Figures
    - Site vicinity map showing the site location and identification of any nearby sensitive receptors.
    - Plot plan showing all historical sampling locations. Differentiation between sample types (i.e. excavation soil samples, soil boring locations, monitoring wells, soil vapor sampling points, etc.) is required. This figure also needs to include any former and existing UST system components, delineation of excavation areas, areas targeted by active remediation, building locations, potential preferential pathways such as utilities, property boundaries and public right-of-way locations.
    - Depth-specific contaminant isoconcentration maps for soil and groundwater. If active remediation was performed, separate pre-remediation and post-remediation isoconcentration maps are required.
- Summary Tables
    - Table of all historical soil data. Sample ID, date, depth, and results for all analytes are required. Please refer to the Tri-Regional Guidelines to confirm that chemical analysis was performed for all relevant contaminants of concern (CoCs). Pre- and post-remediation concentrations should be clearly identified or presented in separate tables.
    - Table of all historical groundwater data. Chemical concentrations in monitoring well(s) concentrations along with depth to water should be tabulated.
    - The tables need to compare the detected CoC concentrations with the Regional Board's ESLs or other appropriate cleanup levels and to the water quality objectives identified in the Regional Board's Basin Plan.
- Complete set of all boring logs generated during site investigation.
- Geologic cross-sections showing soil borings, monitoring wells with screened intervals, UST locations, any preferential pathways, excavation boundaries, water table elevations (historical and current) and extent of residual contamination.

The submission of the above documents will help expedite the review of your case. If you have any questions, please call me at (510)-5676. Thank you very much for your cooperation.

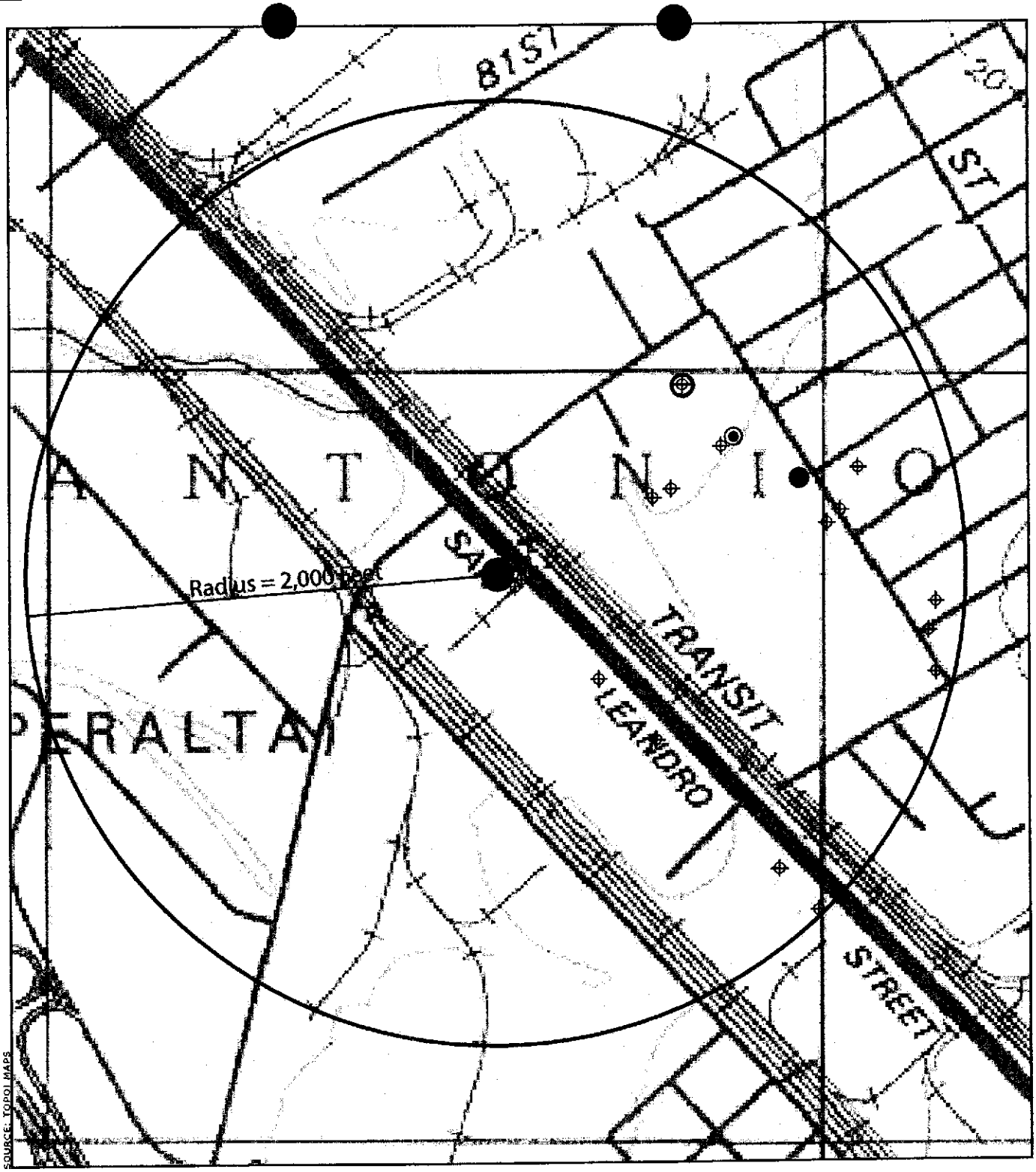
Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist
C: A.Gholami,D.Drogos
files

ATTACHMENT B

WELL SURVEY RESULTS

Source: Alameda County Public Works Department



TEG ACCUTITE
262 Michelle Court
So. San Francisco, CA 94080
T: (650) 616-1200
F: (650) 616-1244

Date: 03/07/2006

Bid #: 703-0

Drawn by: LC

- Subject Site
- Irrigation Well
- Monitoring Well
- Piezometer
- Test Well

Figure:

Well Survey Map

Site:
8515 San Leandro Street
Oakland, California

Tr	Section	Address	Longcity	Owner	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use
2S/3W	22E 7	9131 San Leandro Street	Oakland	Carolyn Ratliff	Dec-89	0	15	8	2	MON
2S/3W	22E 13	8707 San Leandro St	Oakland		6/96	0	17	5	2	MON
2S/3W	22E 4	9131 San Leandro Street	Oakland	Carolyn Ratliff	Dec-89	0	18	9	2	MON
2S/3W	22E 3	9131 San Leandro Street	Oakland	Carolyn Ratliff	Dec-89	0	18	9	2	MON
2S/3W	22C 2	910 89 AV.	Oakland	BARRETT'S METAL FNSH.	Jan-89	0	19	13	2	MON
2S/3W	22E 5	9131 San Leandro Street	Oakland	Carolyn Ratliff	Dec-89	0	19	8	2	MON
2S/3W	22D22	8511 Blaine St	Oakland	Longview Fibre Company	Nov-95	0	20	7	2	MON
2S/3W	22C 3	910 89 AV.	Oakland	BARRETT'S METAL FNSH.	Jan-89	0	20	13	2	MON
2S/3W	22D14	923 87th Ave	Oakland	J. W. Silvera MW-2	9/91	0	20	9	2	MON
2S/3W	22D15	923 87th Ave	Oakland	J. W. Silvera MW-3	9/91	0	20	9	2	MON
2S/3W	22D16	852 85th Av	Oakland	Geo M Robinson & Co	7/93	0	20	16	4	MON
2S/3W	22D19	8522 Blaine St	Oakland	Martin & Deborah Ritchie	Oct-94	0	20	13	2	MON
2S/3W	22E 16	9201 San Leandro St	Oakland	Paco Pumps, Inc	8/94	0	20	8	4	MON
2S/3W	22D20	8410 Amelia St	Oakland	Dreisbach Enterprises	Dec-93	0	20	11	4	TES
2S/3W	22D18	852 85th Av	Oakland	Geo M Robinson & Co	7/93	0	20	15	2	PIE
2S/3W	22E 2	9131 San Leandro Street	Oakland	Carolyn Ratliff	Dec-89	0	20	8	2	MON
2S/3W	22E 6	9131 San Leandro Street	Oakland	Carolyn Ratliff	Dec-89	0	20	13	2	MON
2S/3W	22D17	852 85th Av	Oakland	Geo M Robinson & Co	7/93	0	20	16	4	MON
2S/3W	22E 11	9201 San Leandro Street	Oakland	Paco Pumps 9MW4	Nov-92	0	21	9	4	MON
2S/3W	22E 10	9201 San Leandro Street	Oakland	Paco Pumps 9MW3	Nov-92	0	21	11	4	MON
2S/3W	22E 8	9201 San Leandro Street	Oakland	Paco Pumps 9MW1	Nov-92	0	21	10	4	MON
2S/3W	22E 9	9201 San Leandro Street	Oakland	Paco Pumps 9MW2	Nov-92	0	21	10	4	MON
2S/3W	22D12	8718 G St	Oakland	Owens Brockway KJMW	6/91	0	22	8	2	MON
2S/3W	22C 5	925 89th Ave	Oakland	Seneca/Lanaidor MW-1	4/92	0	22	10	2	MON
2S/3W	22C 6	925 89th Ave	Oakland	Seneca/Lanaidor MW-2L	8/92	0	22	11	2	MON
2S/3W	22D 9	8718 G St	Oakland	Owens Brockway KJMW	6/91	0	22	13	2	MON
2S/3W	22D10	8718 G St	Oakland	Owens Brockway KJMW	6/91	0	22	12	2	MON
2S/3W	22D11	8718 G St	Oakland	Owens Brockway KJMW	6/91	0	22	9	2	MON
2S/3W	22E 18	8855 San Leandro St	Oakland	Lockup Self Storage	1/96	0	25	10	2	MON
2S/3W	22D 7	8511 BLAINE ST	Oakland	LONGVIEW FIBRE CO	May-88	0	25	0	2	MON
2S/3W	22E 20	8855 San Leandro St	Oakland	Lockup Self Storage	1/96	0	25	10	2	MON
2S/3W	22D21	8410 Amelia St	Oakland	Dreisbach Enterprises	Dec-93	0	25	12	4	TES
2S/3W	22C 4	910 89th Avenue	Oakland	Barrett's Metal Finishing	8/89	90	25	17	2	MON

Tr	Section	Address	Longcity	Owner	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use
2S/3W	22E 19	8855 San Leandro St	Oakland	Lockup Self Storage	1/96	0	25	10	2	MON
2S/3W	22E 17	8855 San Leandro St	Oakland	Lockup Self Storage	1/96	0	25	9	2	MON
2S/3W	22D13	923 87th Ave	Oakland	J. W. Silvera MW-1	9/91	0	25	9	2	MON
2S/3W	22D 6	8717 G STREET	Oakland	BROCKWAY GLASS CO.	5/87	0	26	10	2	MON
2S/3W	22D 5	8717 G STREET	Oakland	BROCKWAY GLASS CO.	5/87	0	26	10	2	MON
2S/3W	22D 8	8410 AMELIA ST	Oakland	DREISBACH ASSO.	Jun-88	0	30	10	4	MON
2S/3W	22D 1	8609 G ST	Oakland	LUCCHESI	?	0	175	0	12	IRR

Well Legend

DOM=Domestic well

IRR=Irrigation well

MUN= Municipal well

IND=Industrial well

CAT=Cathodic well

DES=well destroyed (through permit)

ABN=Abandoned and not being used (but has not been destroyed through permit process)

TES=Test well

BOR= Geotechnical investigation

MON= Monitoring well

EXT=Extraction/ Vapor wells

PIE=Piezometers

REC=Recovery well (extraction/ vapor)

? = Unknown or no information found or given

ATTACHMENT C

BORING LOGS AND WELL SPECIFICATIONS

LOG DETAILS: BORING B1

PROJECT: Olympian Oil Co.

SITE LOCATION: 8515 San Leandro Street | SITE NAME: Olympian | ARTESIAN JOB NO.: 136-001-02

CITY, STATE: Oakland, California | CLIENT: Olympian | PROJECT MANAGER: O. Jacobs

DATES DRILLED:	5-25-94	RIG TYPE:	Direct Push	BORING DIA (in.):	1.4"	TOTAL DEPTH:	17.0
DATE COMPLETED:	5-26-94	DRILL TOOLS:	Geoprobe	CASING TYPE / SIZE:	NA	BAGS SAND:	NA
LOGGED BY:	T. Fortner	SAMPLING METH.:	Probe Drive	SLOT INTER.:	NA	SAND INTER.:	NA
DRILLING CO.:	Artesian	HAMMER WT.:	NA	SAND TYPE:	NA	BAGS BENTON.:	3%
DRILLER:	J. Taylor	DROP (in.):	NA	FIRST WATER:	-9.5	BENT. INTER.:	0.5
INSPECTOR:	NA	WELL DEV.:	NA	STATIC WATER:	NA	BAGS GROUT:	0.5
MW KEY / CVR ACC:	NA	WELL COVER:	NA	GROUT PLACEMENT:	Gravity	GROUT INTER.:	0 - TD

NOTES: Water recharged well.

▼ First water level

Sample location

ARTESIAN ENVIRONMENTAL

3100 KERNER BLVD., SUITE C • SAN RAFAEL, CA 94901

TEL (800) 959-4801; FAX (415) 257-4805

DRAWN BY: TEF | DRAW DATE: 5-27-94

DEPTH	SOIL SYMBOLS/ FIELD TEST DATA	SOIL DESCRIPTION	SAMP. #	BLOWS /6 in.	PID ppm	COMPLETION DIAGRAM	DESCRIPTION
0		CONCRETE: (4" thick)					
		CLAY: (ML) silty, brown					
-5			B1		0.0		
-10		CLAY: (ML) as above					
-15		CLAY: (SC) brown, fine graind sand					0 to TD: Bentonite (3%) cement grout seal

LOG DETAILS: BORING B2

PROJECT: Olympian Oil Co.

SITE LOCATION: 8515 San Leandro Street | SITE NAME: Olympian | ARTESIAN JOB NO.: 136-001-02

CITY, STATE: Oakland, California | CLIENT: Olympian | PROJECT MANAGER: O. Jacobs

DATES DRILLED:	5-25-94	RIG TYPE:	Direct Push	BORING DIA (in.):	1.4"	TOTAL DEPTH:	15.5
DATE COMPLETED:	5-26-94	DRILL TOOLS:	Geoprobe	CASING TYPE / SIZE:	NA	BAGS SAND:	NA
LOGGED BY:	T. Fortner	SAMPLING METH.:	Probe Drive	SLOT INTER.:	NA	SAND INTER.:	NA
DRILLING CO.:	Artesian	HAMMER WT.:	NA	SAND TYPE:	NA	BAGS BENTON.:	3%
DRILLER:	J. Taylor	DROP (in.):	NA	FIRST WATER:	-11.0	BENT. INTER.:	0.5
INSPECTOR:	NA	WELL DEV.:	NA	STATIC WATER:	NA	BAGS GROUT:	0.5
MW KEY / CVR ACC:	NA	WELL COVER:	NA	GROUT PLACEMENT:	Gravity	GROUT INTER.:	0 - TD

NOTES: Water recharged well.

▼ First water level

Sample location

ARTESIAN ENVIRONMENTAL

3100 KERNER BLVD., SUITE C • SAN RAFAEL, CA 94901

TEL (800) 959-4801; FAX (415) 257-4805

DRAWN BY TEF | DRAW DATE 5-31-94

DEPTH	SOIL SYMBOLS/ FIELD TEST DATA	SOIL DESCRIPTION	SAMP. #	BLOWS /6 in.	PID ppm	COMPLETION DIAGRAM	DESCRIPTION
0		CONCRETE: (4" thick)					
		CLAY: (SC) silty, brown, moist					
-5			B2		0.0		
-10		CLAY: (SC) as above					
-15							0 to TD: Bentonite (3%) cement grout seal

LOG DETAILS: BORING B3

PROJECT: Olympian Oil Co.

SITE LOCATION: 8515 San Leandro Street SITE NAME: Olympian ARTESIAN JOB NO.: 136-001-02

CITY, STATE: Oakland, California CLIENT: Olympian PROJECT MANAGER: O. Jacobs

DATES DRILLED:	5-25-94	RIG TYPE:	Direct Push	BORING DIA (in.):	1.4"	TOTAL DEPTH:	15.0
DATE COMPLETED:	5-26-94	DRILL TOOLS:	Geoprobe	CASING TYPE / SIZE:	NA	BAGS SAND:	NA
LOGGED BY:	T. Fortner	SAMPLING METH.:	Probe Drive	SLOT INTER.:	NA	SAND INTER.:	NA
DRILLING CO.:	Artesian	HAMMER WT.:	NA	SAND TYPE:	NA	BAGS BENTON.:	3%
DRILLER:	J. Taylor	DROP (in.):	NA	FIRST WATER:	-9.75	BENT. INTER.:	0.5
INSPECTOR:	NA	WELL DEV.:	NA	STATIC WATER:	NA	BAGS GROUT:	0.5
MW KEY / CVR ACC:	NA	WELL COVER:	NA	GROUT PLACEMENT:	Gravity	GROUT INTER.:	0 - TD

NOTES: Poor recharge

▼ First water level

Sample location

ARTESIAN ENVIRONMENTAL

3100 KERNER BLVD., SUITE C • SAN RAFAEL, CA 94901

TEL (800) 959-4801; FAX (415) 257-4805

DRAWN BY: TEF DRAW DATE: 5-31-94

DEPTH	SOIL SYMBOLS/ FIELD TEST DATA	SOIL DESCRIPTION	SAMP. #	BLOWS /6 in.	PID ppm	COMPLETION DIAGRAM	DESCRIPTION
0		Topsoil: (6" thick)					
		CLAY: (SC) silty, brown					
-5			B3		0.0		
-10		CLAY: (SC) as above					
-15							0 to TD: Bentonite (3%) cement seal.

LOG DETAILS: BORING B4

PROJECT: Olympian Oil Co.

SITE LOCATION: 8515 San Leandro Street SITE NAME: Olympian ARTESIAN JOB NO.: 136-001-02

CITY, STATE: Oakland, California CLIENT: Olympian PROJECT MANAGER: O. Jacobs

DATES DRILLED:	5-25-94	RIG TYPE:	Direct Push	BORING DIA (in.):	14"	TOTAL DEPTH:	15.0
DATE COMPLETED:	5-26-94	DRILL TOOLS:	Geoprobe	CASING TYPE / SIZE:	NA	BAGS SAND:	NA
LOGGED BY:	T. Fortner	SAMPLING METH.:	Probe Drive	SLOT INTER.:	NA	SAND INTER.:	NA
DRILLING CO.:	Artesian	HAMMER WT.:	NA	SAND TYPE:	NA	BAGS BENTON.:	3%
DRILLER:	J. Taylor	DROP (in.):	NA	FIRST WATER:	-9.5	BENT. INTER.:	0.5
INSPECTOR:	NA	WELL DEV.:	NA	STATIC WATER:	NA	BAGS GROUT:	0.5
MW KEY / CVR ACC:	NA	WELL COVER:	NA	GROUT PLACEMENT:	Gravity	GROUT INTER.:	0 - TD

NOTES: Poor recharge

▼ First water level

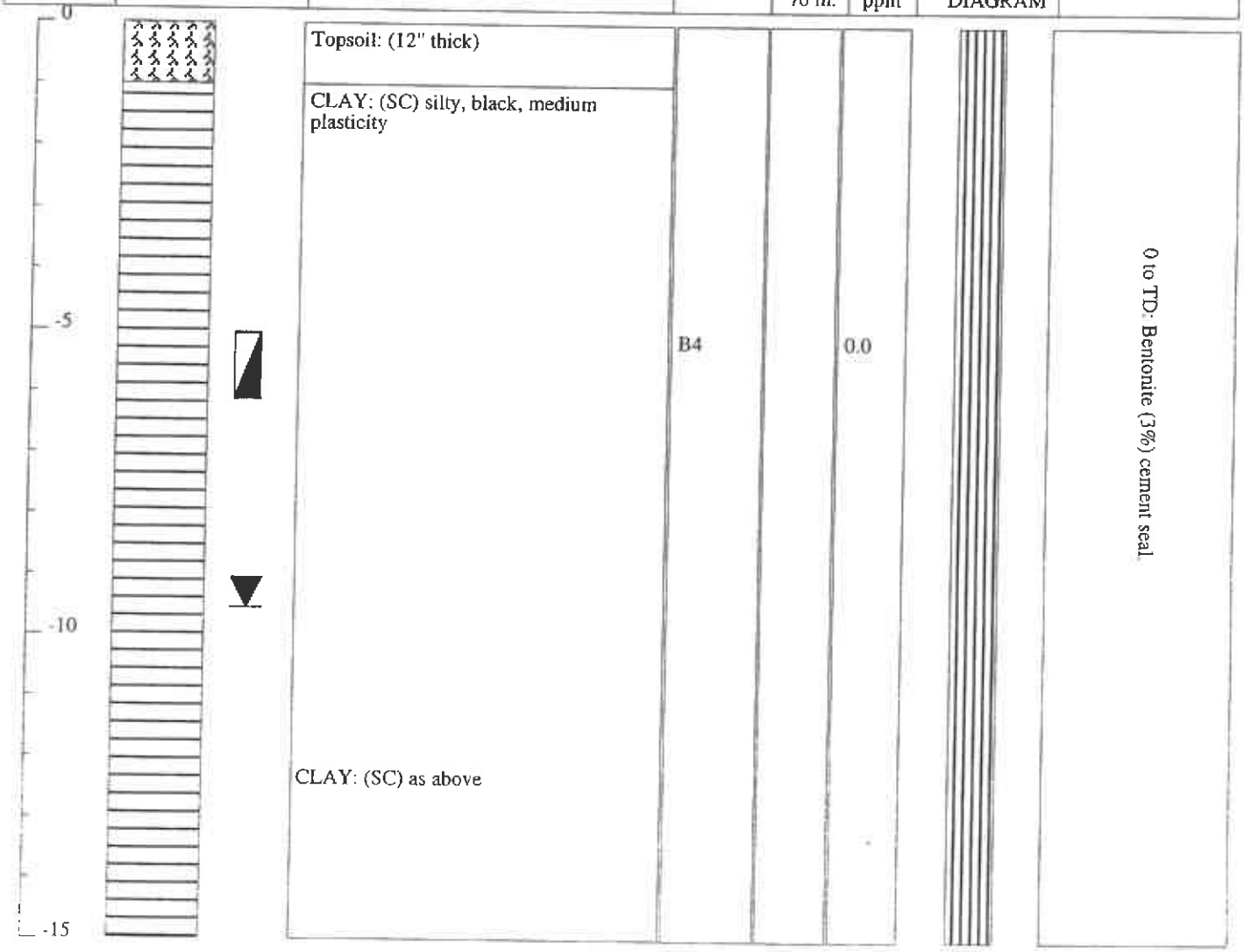
Sample location

ARTESIAN ENVIRONMENTAL

3100 KERNER BLVD., SUITE C • SAN RAFAEL, CA 94901

TEL (800) 959-4801; FAX (415) 257-4805

DRAWN BY TEF DRAW DATE 5-31-94



LOG DETAILS: BORING B5

PROJECT: Olympian Oil Co.

SITE LOCATION: 8515 San Leandro Street | SITE NAME: Olympian | ARTESIAN JOB NO.: 136-001-02

CITY, STATE: Oakland, California | CLIENT: Olympian | PROJECT MANAGER: O. Jacobs

DATES DRILLED:	5-25-94	RIG TYPE:	Direct Push	BORING DIA (in.):	1.4"	TOTAL DEPTH:	15.0
DATE COMPLETED:	5-26-94	DRILL TOOLS:	Geoprobe	CASING TYPE / SIZE:	NA	BAGS SAND:	NA
LOGGED BY:	T. Fortner	SAMPLING METH.:	Probe Drive	SLOT INTER.:	NA	SAND INTER.:	NA
DRILLING CO.:	Artesian	HAMMER WT.:	NA	SAND TYPE:	NA	BAGS BENTON.:	3%
DRILLER:	J. Taylor	DROP (in.):	NA	FIRST WATER:	NA	BENT. INTER.:	0.5
INSPECTOR:	NA	WELL DEV.:	NA	STATIC WATER:	NA	BAGS GROUT:	0.5
MW KEY / CVR ACC:	NA	WELL COVER:	NA	GROUT PLACEMENT:	Gravity	GROUT INTER.:	0 - TD

NOTES: Surface stain

Sample location

ARTESIAN ENVIRONMENTAL

3100 KERNER BLVD., SUITE C • SAN RAFAEL, CA 94901

TEL (800) 959-4801; FAX (415) 257-4805

DRAWN BY: TEF | DRAW DATE: 5-31-94

DEPTH	SOIL SYMBOLS/ FIELD TEST DATA	SOIL DESCRIPTION	SAMP. #	BLOWS /6 in.	PID ppm	COMPLETION DIAGRAM	DESCRIPTION
0		Topsoil: (4" thick)					
		CONCRETE: (4" thick)					
		CLAY: (ML) silty, black					
-5			B5		0.0		
		CLAY: (ML) as above					

LOG DETAILS: BORING B6 — PROJECT: Olympian Oil Co.

SITE LOCATION: 8515 San Leandro Street | SITE NAME: Olympian | ARTESIAN JOB NO.: 136-001-02

CITY, STATE: Oakland, California | CLIENT: Olympian | PROJECT MANAGER: O. Jacobs

DATES DRILLED:	5-25-94	RIG TYPE:	Direct Push	BORING DIA (in.):	1.4"	TOTAL DEPTH:	15.0
DATE COMPLETED:	5-26-94	DRILL TOOLS:	Geoprobe	CASING TYPE / SIZE:	NA	BAGS SAND:	NA
LOGGED BY:	T. Fortner	SAMPLING METH.:	Probe Drive	SLOT INTER.:	NA	SAND INTER.:	NA
DRILLING CO.:	Artesian	HAMMER WT.:	NA	SAND TYPE:	NA	BAGS BENTON.:	3%
DRILLER:	J. Taylor	DROP (in.):	NA	FIRST WATER:	NA	BENT. INTER.:	0.5
INSPECTOR:	NA	WELL DEV.:	NA	STATIC WATER:	NA	BAGS GROUT:	0.5
MW KEY / CVR ACC:	NA	WELL COVER:	NA	GROUT PLACEMENT:	Gravity	GROUT INTER.:	0 - TD

NOTES:

Sample location

ARTESIAN ENVIRONMENTAL
3100 KERNER BLVD., SUITE C • SAN RAFAEL, CA 94901
TEL (800) 959-4801; FAX (415) 257-4805

DRAWN BY TEF | DRAW DATE 5-31-94

DEPTH	SOIL SYMBOLS/ FIELD TEST DATA	SOIL DESCRIPTION	SAMP. #	BLOWS /6 in.	PID ppm	COMPLETION DIAGRAM	DESCRIPTION
0		Topsoil: (6" thick)					
		CLAY: (ML) silty, dark brown					
-5			B6		0.0		0 to TD: Bentonite (3%) cement seal
		CLAY: (ML) as above					

LOG DETAILS: BORING B7

PROJECT: Olympian Oil Co.

SITE LOCATION: 8515 San Leandro Street | SITE NAME: Olympian | ARTESIAN JOB NO.: 136-001-02

CITY, STATE: Oakland, California | CLIENT: Olympian | PROJECT MANAGER: O. Jacobs

DATES DRILLED:	5-25-94	RIG TYPE:	Direct Push	BORING DIA (in.):	1.4"	TOTAL DEPTH:	15.0
DATE COMPLETED:	5-26-94	DRILL TOOLS:	Geoprobe	CASING TYPE / SIZE:	NA	BAGS SAND:	NA
LOGGED BY:	T. Forner	SAMPLING METH.:	Probe Drive	SLOT INTER.:	NA	SAND INTER.:	NA
DRILLING CO.:	Artesian	HAMMER WT.:	NA	SAND TYPE:	NA	BAGS BENTON.:	3%
DRILLER:	J. Taylor	DROP (in.):	NA	FIRST WATER:	-9.5	BENT. INTER.:	0.5
INSPECTOR:	NA	WELL DEV.:	NA	STATIC WATER:	NA	BAGS GROUT:	0.5
MW KEY / CVR ACC:	NA	WELL COVER:	NA	GROUT PLACEMENT:	Gravity	GROUT INTER.:	0 - TD

NOTES: Poor recharge

▼ First water level

▮ Sample location

ARTESIAN ENVIRONMENTAL

3100 KERNER BLVD., SUITE C • SAN RAFAEL, CA 94901

TEL (800) 959-4801; FAX (415) 257-4805

DRAWN BY TEF | DRAW DATE 5-31-94

DEPTH	SOIL SYMBOLS/ FIELD TEST DATA	SOIL DESCRIPTION	SAMP. #	BLOWS /6 in.	PID ppm	COMPLETION DIAGRAM	DESCRIPTION
0		CONCRETE: (8" thick)					
		CLAY: (SC) sandy, dark brown, moist					
-5			B7		0.0		
-10		CLAY: (SC) as above					
-15							0 to TD: Bentonite (3%) cement seal.

Project Location: 8515 SAN LEANDRO	Log of S[redacted] Boring No. GP-1
Date Started: 5/15/02	Total Depth: 15'
Date Completed: 5/15/02	Seal: NEAT CEMENT
Logged By: CL Checked By:	from 15' to 0'
Drilling Co.: ENPROB Driller:	
Drilling Method: DIRECT PUSH	Drill Bit Diameter:
Drilling Equipment: GEOPROBE	Sampler:

Depth (feet)	Lithologic Description	Lithology	Sample	Blow Counts	Remarks
Surface Elevation					
	CLAYEY SILT, DARK GRAY				PID (HNU)
5					20 ppm
10	SAME AS ABOVE				18 ppm
15	SAME AS ABOVE TD = 15'				10 ppm
20					
25					
30					
35					

GHH ENGINEERING, INC.
11960 Heritage Oak Place
Auburn, CA 95603
(530) 886-3100

Project Name: NELLA DUE DILIGENCE
Project #: 5208.24

Project Location: 8515 SAN LEANDRO ST.	Log of Soil Boring No. GP-2
Date Started: 5/15/02	Total Depth: 5'
Date Completed: 5/15/02	Seal: NEAT CEMENT
Logged By: CL Checked By:	from 5' to 0'
Drilling Co.: ENPROB Driller:	
Drilling Method: DIRECT PUSH	Drill Bit Diameter:
Drilling Equipment: GEOPROBE	Sampler:

Depth (feet)	Lithologic Description	Lithology	Sample	Blow Counts	Remarks
Surface Elevation					PID (HNU)
	SANDY SILT, VERY DARK BROWN				
					0
5	TD = 5'				
10					
15					
20					
25					
30					
35					

GHH ENGINEERING, INC.
11960 Heritage Oak Place
Auburn, CA 95603
(530) 886-3100

Project Name: NELLA DUE DILIGENCE
Project #: 5208.24

Project Location: 8515 SAN LEANDRO	Log of S[redacted] Boring No. GP-3
Date Started: 5/15/02	Total Depth: 5'
Date Completed: 5/15/02	Seal: NEAT CEMENT
[redacted]ed By: CL Checked By:	from 5' to 0'
Drilling Co.: ENPROB Driller:	
Drilling Method: DIRECT PUSH	
Drilling Equipment: GEOPROBE	Drill Bit Diameter:
	Sampler: [redacted]

Depth (feet)	Lithologic Description Surface Elevation	Lithology	Sample	Blow Counts	Remarks
	SANDY SILT, VERY DARK BROWN				PID (HNU)
5	TD = 5'		[redacted]		1 ppm
10					
15					
20					
25					
30					
35					

GAH ENGINEERING, INC.
11960 Heritage Oak Place
Auburn, CA 95603
(530) 886-3100

Project Name: NELLA DUE DILIGENCE
Project #: 5208.24

Project Location: 8515 SAN LEANDRO ST.	Log of Soil Boring No. GP-4
Date Started: 5/15/02	Total Depth: 5'
Date Completed: 5/15/02	Seal: NEAT CEMENT
Logged By: CL Checked By:	from 5' to 0'
Drilling Co.: ENPROB Driller:	
Drilling Method: DIRECT PUSH	Drill Bit Diameter:
Drilling Equipment: GEOPROBE	Sampler:

Depth (feet)	Surface Elevation	Lithologic Description	Lithology	Sample	Blow Counts	Remarks
		SANDY SILT, VERY DARK BROWN				PID (HNU)
						13 ppm
5		TD = 5'				
10						
15						
20						
25						
30						
35						

GHH ENGINEERING, INC.
11960 Heritage Oak Place
Auburn, CA 95603
(530) 886-3100

Project Name: NELLA DUE DILIGENCE
Project #: 5208.24

Project Location: 8515 SAN LEANDRO [redacted]	Log of S[redacted] Boring No. GP-5
Date Started: 5/15/02	Total Depth: 5'
Date Completed: 5/15/02	Seal: NEAT CEMENT
Logged By: CL Checked By:	from 5' to 0'
Drilling Co.: ENPROB Driller:	
Drilling Method: DIRECT PUSH	
Drilling Equipment: GEOPROBE	Drill Bit Diameter:
	Sampler: [redacted]

Depth (feet)	Lithologic Description Surface Elevation	Lithology	Sample	Blow Counts	Remarks
	SANDY SILT, VERY DARK BROWN				PID (HNU)
5	TD = 5'		[redacted]		21 ppm
10					
15					
20					
25					
30					
35					

GHH ENGINEERING, INC.
11960 Heritage Oak Place
Auburn, CA 95603
(530) 886-3100

Project Name: NELLA DUE DILIGENCE
Project #: 5208.24

Project Location: 8515 SAN LEANDRO ST.	Log of Soil Boring No. GP-6
Date Started: 5/15/02	Total Depth: 5'
Date Completed: 5/15/02	Seal: NEAT CEMENT
Logged By: CL Checked By:	from 5' to 0'
Drilling Co.: ENPROB Driller:	
Drilling Method: DIRECT PUSH	Drill Bit Diameter:
Drilling Equipment: GEOPROBE	Sampler:

Depth (feet)	Lithologic Description	Lithology	Sample	Blow Counts	Remarks
Surface Elevation					PID (HNU)
	SANDY SILT, VERY DARK BROWN				
					24 ppm
5	TD = 5'				
10					
15					
20					
25					
30					
35					

GHH ENGINEERING, INC.
11960 Heritage Oak Place
Auburn, CA 95603
(530) 886-3100

Project Name: NELLA DUE DILIGENCE
Project #: 5208.24

Project Location: 8515 SAN LEANDRO [redacted]	Log of So[redacted] Boring No. GP-7
Date Started: 5/15/02	Total Depth: 9'
Date Completed: 5/15/02	Seal: NEAT CEMENT
Logged By: CL Checked By:	from 9' to 0'
Drilling Co.: ENPROB Driller:	
Drilling Method: DIRECT PUSH	Drill Bit Diameter:
Drilling Equipment: GEOPROBE	Sampler: [redacted]

Depth (feet)	Lithologic Description Surface Elevation	Lithology	Sample	Blow Counts	Remarks
	SANDY SILT, DARK BROWN				PID (HNU)
5					
	TD = 9'		[redacted]		(NOT MEASURED)
10					
5					
20					
25					
30					
35					

GAH ENGINEERING, INC.
11960 Heritage Oak Place
Auburn, CA 95603
(530) 886-3100

Project Name: NELLA DUE DILIGENCE
Project #: 5208.24

ATTACHMENT D

DATA SUMMARY TABLE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

Hahn Amir Gholami

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700 Fax (510) 337-9335

RE: DBA Olympian – 8515 San Leandro St., Oakland

Dear Sir:

Please be advised that I have been recently assigned to oversee the above referenced site. Therefore, all documents, reports, and correspondences should be addressed to my attention. In fact, I have received numerous other "new cases", which I need to get familiar with and proceed forward as soon as practicable. In order to keep continuity and to reduce confusion, I will try to follow up on the work/guidelines previously requested by my colleague of this office.
However, to expedite this so called "familiarization" process, please fill out and submit to me the attached table as soon as possible. Please fill out the attached table with the latest information regarding the chemical concentrations. If you have any questions, please call me at (510)-567-6876. Thank you very much for your cooperation.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

Site Address:

Depth to groundwater	6.5 ft
Groundwater flow gradient and speed	Gradient: Unknown/Speed: Unknown/Direction: N
Benzene (ppb)	ND (non-detect, below the method detection limit)
Toluene (ppb)	ND (non-detect, below the method detection limit)
Ethylbenzene (ppb)	ND (non-detect, below the method detection limit)
Xylene (ppb)	ND (non-detect, below the method detection limit)
MTBE (ppb)	12 ug/kg
TPHg (ppb)	ND (non-detect, below the method detection limit)
TPHd (ppb)	ND (non-detect, below the method detection limit)
Solvents if any (ppb)	N/A
Heavy Metals if any	N/A
Well Screen levels (for each monitoring well)	N/A
Date information collected for concentrations	5/15/2002
Plume Stability; increasing or decreasing or stable?	Unknown without further testing
Any"Active Remediation" occuring presently or past?	NO
Other Pertinent Information regarding this site(use space below if needed)	See below

Please fill out one form for each site indicated above and email me back, thanks

Information taken from the Environmental Baseline Report dated June 2002

ATTACHMENT E

REGULATORY LETTER REQUESTING WORKPLAN

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
Fax (510) 337-9335

March 6, 2006

Mr. and Mrs. Ruben Hausauer
672 Warwick Pl
Hayward, CA 94542-1246

RE: Workplan for Fuel Leak Investigation, Site No. RO0002516 Olmpian Service Station, 8515 San Leandro Blvd, Oakland, CA 94621

Dear Mr. and Mrs. Hausauer:

Alameda County Environmental Health (ACEH) staff has recently reviewed Draft Site Conceptual Model dated March 6, 2006 along with Site Status document dated January 22, 2004, prepared by Ms. Jing Heisler and Mr. Sami Malaeb of TEC Accutite. As you are aware, proposal for a workplan was submitted to address the contamination detected at the above subject site. We concur with this assessment. However we request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below:

TECHNICAL COMMENTS

As your are aware, I have discussed the proposed work with your consultant. The above proposed work is being prepared in order to further define the horizontal and vertical extent of soil/groundwater contamination. The workplan is approved. Please ensure the following items are addressed as specified below:

- **Geotracker EDF Submittals** - A review of the case file and the State Water Resources Control Board's (SWRCB) Geotracker website indicate that electronic copies of analytical data have not been submitted for your site. Pursuant to CCR Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collected groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). In order to remain in regulatory compliance, please upload all analytical data (collected on or after September 1, 2001), to the SWRCB's Geotracker database website in accordance with the above-cited regulation. Please perform the electronic submittals for applicable data and submit verification to this Agency by 3/14/2006.

to this office as discussed.

TECHNICAL REPORT REQUEST

Please submit the following technical reports to Alameda County Department of Environmental Health (Attention: Amir K. Gholami):

April 3, 2006 Workplan

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

Old Address

cc: Ms. Jing Heisler, CHG, TEC Accutite, 35 South Linden Ave., South San Francisco, CA 94080-6407
D. Drogos, A. Gholami

Enclosure: ACEH Electronic Report Upload (ftp) Instructions