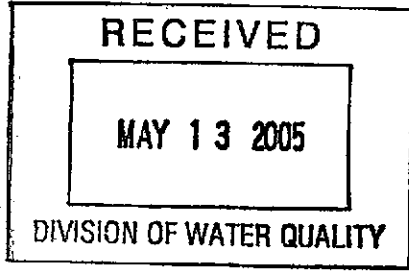


ROSIO

CAMBRIA

May 6, 2005

Mr. Kevin Graves
State Water Resources Control Board
Division of Water Quality
P.O. Box 2231
Sacramento, CA 95812



Re: **Petition for Closure**
Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602



Dear Mr. Graves:

On behalf of Ms. Naomi Gatzke, Cambria Environmental Technology, Inc. (Cambria) requests case closure for the above referenced facility. Based on our review of the site background and conditions, Cambria believes that this site meets the Regional Water Quality Control Board - San Francisco Bay Region's (RWQCB-SFBR's) definition of a low-risk fuel site, as described in their memorandum "Interim Guidance on Required Cleanup at Low-Risk Fuel Sites", dated January 5, 1996.

Cambria has submitted a *Closure Request* on July 21, 2004 and *Clarifications Regarding Closure Request* on October 6, 2004 to Mr. Don Hwang of the Alameda County Department of Environmental Health (ACDEH). To date we have not received written notification regarding either of these documents. During phone discussions between Mr. Hwang of ACDEH and Mr. Matt Meyers of Cambria, Mr. Hwang stated his opinion that the site was not a candidate for closure and recommended continued groundwater monitoring. Mr. Hwang stated that due to inadequate staffing at the ACDEH he could not say when the ACDEH would be able to review and respond to our requests for closure.

As a result, Cambria requests the State Water Resources Control Board (SWRCB) review our petition and the above referenced requests. Provided below is the information required as per the SWRCB's *Site Closure Petition Process - Underground Storage Tank Program Fact Sheet*.

- 1) Name and address of the petitioner:
Cambria Environmental Technology, Inc
5900 Hollis Street, Suite A
Emeryville, CA 94608
- 2) Address of the site:
1499 MacArthur Boulevard
Oakland, California 94602

**Cambria
Environmental
Technology, Inc.**

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

MAY 13 2005
DIVISION OF WATER QUALITY

3) Name and address of the current owner of the site:

Mrs. Naomi Gatzke
1545 Scenicview Drive
San Leandro, California 94577

Name and address of adjacent property owners are :

Property located west of the site (directly adjacent) is:

1483 MacArthur Boulevard.
Property owner is Shaun Wong
3866 Brookdale Boulevard, Castro Valley, California 94546

Properties located north of the site (across MacArthur Boulevard) are:

3507 14th Avenue
Property owner is Prana Growth Fund I LP
665 Third Street #450, San Francisco, California 94107

1478, 1480, 1482 MacArthur Boulevard
Property owner is Society of St. Vincent de Paul of Alameda County
9235 San Leandro Street, Oakland, California 94603

Property located northeast of the site (across MacArthur and 14th intersection) is:

3518 14th Avenue
Property owner is Eric Montague of the same address.

Property located east of the site (across 14th Avenue) is:

3408 14th Avenue
Property owner is Wayne Tan of the same address.

Property located south of the site (directly adjacent) is:

Interstate 580
Property owner is California Department of Transportation.

4) Responsible Party's phone number:

Mrs. Naomi Gatzke at (510) 483-9015.

5) Statement that the regulatory agency (ACDEH) failed to act within 60 days is made above.

6) A statement of reasons why we believe the case should be reviewed is also made above. See attached *Closure Request* dated July 21, 2004 and *Clarifications Regarding Closure Request* dated October 6, 2004 for further details.



C A M B R I A

Petition for Closure
Hooshi's Auto Service
1499 MacArthur Boulevard, Oakland
May 6, 2005

If you have any questions or comments, please call Matt Meyers at (510) 420-3314.

Sincerely,
Cambria Environmental Technology, Inc.



Matthew A. Meyers
Project Geologist



Neal E. Siler, P.G., R.E.A.
Senior Project Geologist

Attachments: *Closure Request*
Clarifications Regarding Closure Request

cc: Ms. Naomi Gatzke, 1545 Scenic View Drive, San Leandro, California 94577
Mr. Don Hwang, Alameda County Department of Environmental Health, UST Local Oversight Program
1131 Harbor Bay Parkway, 2nd Floor, Alameda, California 94502

H:\Gatzke (Hooshi's) - Oakland\Closure Request\Petition for Closure.doc

July 21, 2004

Mr. Don Hwang
Alameda County Department of Environmental Health
UST Local Oversight Program
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

FILE COPY

Re: **Closure Request**
Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602
Cambria Project No. 129-0741



Dear Mr. Hwang:

On behalf of Ms. Naomi Gatzke, Cambria Environmental Technology, Inc. (Cambria) requests case closure for the above referenced facility. Based on our review of the site background and conditions, Cambria believes that this site meets the Regional Water Quality Control Board - San Francisco Bay Region's (RWQCB-SFBR's) definition of a low-risk fuel site, as described in their memorandum "*Interim Guidance on Required Cleanup at Low-Risk Fuel Sites*", dated January 5, 1996. A summary of site background, site conditions and the applicability of low-risk fuel site criteria are addressed below.

SITE BACKGROUND

Site Description

The site currently operates as an automobile service business and is located at 1499 MacArthur Boulevard in Oakland, California (Figures 1 and 2). Prior to 1990, the site operated as a gasoline service station. It is located in a commercial and residential area and is bounded by MacArthur Boulevard to the north, 14th Avenue to the east, Interstate 580 to the south, and an abandoned residence to the west (Figures 1 and 2). The surrounding topography is relatively hilly and slopes to the south.

Previous Investigative and Remedial Activities

UST Removal Activities: Three underground storage tanks (USTs) were removed from the site by "others" in October 1990, after which subsurface soil sampling was performed. The size, construction, contents, and condition of the USTs were not reported. No observations of a release,

**Cambria
Environmental
Technology, Inc.**

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

soil or groundwater sampling, number or location of piping and/or dispenser locations, or waste manifests were included in the reviewed report.

Subsurface Assessment Activities: A subsurface assessment was conducted by "others" in 1993, during which three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed at the site. Results of this assessment indicated that the soil and groundwater beneath the site were impacted by petroleum hydrocarbons that may have leaked from the former USTs.




Phase II Site Characterization: Century West Engineering Corporation (CWEC) performed site characterization activities as described in their *Report of Phase II Site Characterization* dated August 30, 1996 for the subject site. This report indicated that:

- On June 24, 1996, CWEC advanced 12 Geoprobe™ borings to a maximum depth of approximately 20 feet (ft) below ground surface (bgs) to collect soil and groundwater samples.
- On June 27, 1996, CWEC installed three groundwater monitoring wells (MW-4, MW-5, and MW-6). CWEC concluded that high concentrations of hydrocarbons in soil and groundwater, and separate phase hydrocarbons (SPH) are probably limited to the UST excavation vicinity (Figure 2). See boring logs and well construction details included in Appendix A.
- In July 1996, CWEC performed a soil vapor extraction (SVE) pilot test at three monitoring wells (MW-1, MW-2, and MW-5) and also performed a hydraulic slug test in two site wells. Soil vapor samples were collected during the pilot test. As a result of the pilot test, CWEC concluded that significant vacuum influence was observed in wells MW-1, MW-2, MW-3, and MW-5 and high concentrations of volatile organic compounds (VOCs) were measured in vapor samples collected from wells MW-1, MW-2, and MW-5. Vacuum influence was not observed at wells MW-4 or MW-6.
- As a result of the hydraulic slug tests, CWEC concluded the hydraulic conductivity (K) of aquifer materials at locations MW-1 and MW-3 had a K value of 1.0×10^{-5} centimeters per second (cm/s) and 2.6×10^{-5} cm/s, respectively.

Remedial Activities: On September 19, 2000, Cambria installed a SVE remediation system. Monitoring wells MW-1, MW-2, and MW-5 were connected to the system. On October 23, 2000, in-well air sparging was initiated in wells MW-2 and MW-5 to help remove any remaining SPH. The

SVE system operations were performed for eight months (September 2000 through April 2001) and were subsequently halted due to low hydrocarbon removal rates. A total of 16.5 pounds of hydrocarbons were removed during the SVE activities. SVE helped significantly reduce the dissolved-phase hydrocarbon concentrations in monitoring wells in MW-2 and MW-5.



Groundwater Monitoring: Groundwater onsite has been monitored and sampled from January 1993 to the present. During the fourth quarter 2000, groundwater levels rose approximately 5 ft and have remained at these levels to date. However, groundwater levels are still within the well screen intervals of 5 to 20 ft (see well construction details in Appendix A). Since the fourth quarter of 2000, groundwater depths have fluctuated between 5.73 and 14.05 feet (ft) below ground surface (bgs). Seasonal groundwater depth fluctuations have been relatively flat with first and second quarter groundwater depths usually being slightly less than the third and fourth quarters. The second quarter 2004 groundwater monitoring and sampling data and other historical groundwater data are presented as Table 1.

EXISTING SITE CONDITIONS

Groundwater depth and gradient: Previous to the fourth quarter 2000, the depth to groundwater had ranged from approximately 8.15 to 18.55 ft bgs and groundwater tended to mound in the vicinity of MW-2. Since the fourth quarter 2000 event, the depth to groundwater has ranged from approximately 6.90 to 14.05 ft bgs and the gradient has generally been towards the southwest.

Geologic Setting: The site is located within the 14th Avenue Creek drainage, which flows towards the west into Brooklyn Basin of the San Francisco Bay. Local topography slopes generally to the southwest towards the San Francisco Bay. Based on the Department of the Interior U.S. Geological Survey, *Geologic Map of the Hayward Fault Zone, 1995*, 1:500,000 scale, the surface site geology consists of undivided Quaternary surficial deposits. Berkeley Hills are located immediately east of the site and consist of Tertiary, Jurassic Great Valley Sequence, and Cretaceous Franciscan Complex sediments resulting from movement along the Hayward fault system.

Based on previous studies, soil material beneath the site consists of three general units. The first unit encountered is fill material, consisting of poorly graded sands, gravels, and clay materials, from 0 to 6 ft bgs. Underlying the fill material is clay approximately 4 to 8 ft in thickness. The third unit is clayey sand, which has been observed to the total explored depth of 20 ft bgs. Boring logs are presented in Appendix A.

Site Hydrogeology: Based on the regional topography and the results from 11 years of groundwater monitoring, the groundwater beneath the site flows in a southwesterly direction, towards the San Francisco Bay. According to the California Regional Water Quality Control Board San Francisco Bay Region's Water Quality Control Plan, the site is located in East Bay Plain Groundwater Basin within the South Bay Basin hydrologic planning area. This groundwater basin has been designated as existing beneficial use for municipal and domestic, industrial process, industrial service, and agricultural water supplies.



Hydrocarbon Distribution in Soil

Sample results from borings indicated that hydrocarbons were concentrated below 11.5 ft bgs (Appendix B). Sample results from the borings suggest that the fuel release occurred near the former USTs. The highest TPHg and benzene concentration detected in soil samples was 860 milligrams per kilogram (mg/kg) and 3.1 mg/kg, respectively in boring G-9 at 12.5 ft bgs. The total volume of impacted soil excavated and removed from the site in connection with the UST removal was not reported in reviewed reports.

Hydrocarbon Distribution in Groundwater

Groundwater at the site is currently monitored by six monitoring wells, MW-1 through MW-6. As shown in hydrocarbon concentration trend graphs, TPHg and benzene concentrations in all of the site wells have steadily decreased (Appendix C). SPH was observed in wells MW-2 and MW-5 until August 2000. Since then, the highest TPHg and benzene concentration detected in groundwater was in well MW-2 on December 1, 2000 at 260,000 micrograms per liter ($\mu\text{g/L}$) and 1,100 $\mu\text{g/L}$, respectively. During the second quarter 2004 groundwater monitoring event the highest TPHg and benzene concentration detected was in well MW-2 at 37,000 $\mu\text{g/L}$ and 840 $\mu\text{g/L}$, respectively. The highest MTBE concentration detected in groundwater was in well MW-1 in June 1996 at 80 $\mu\text{g/L}$. No MTBE was detected during the last five groundwater monitoring events (Table 1). Based on recent groundwater monitoring events the hydrocarbon plume appears to be confined to the site.

REGULATORY STATUS REVIEW AND RECOMMENDATIONS***RWQCB-SFBR Guidelines***

The site appears to meet the RWQCB-SFBR criteria for a low-risk fuel site. As described by the January 5, 1995 RWQCB-SFBR memorandum *Regional Board Supplemental Instructions to State Water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Sites*, a low-risk groundwater case has the following general characteristics:




- The leak has stopped and ongoing sources, including SPH, have been removed or remediated;
- The site has been adequately characterized;
- The dissolved hydrocarbon plume is not migrating;
- No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted; and
- The site presents no significant risk to human health or the environment.

Each of the low-risk groundwater case characteristics, as they relate to the site, are discussed below.

The Leak Has Stopped and Ongoing Sources, Including SPH, Have Been Removed: The site is currently being used as a automobile service business without USTs and none of the former fuel dispensing facilities remain. The three former fuel USTs and the dispenser islands were removed from the site in October 1990. In-well air sparging was initiated in wells MW-2 and MW-5 to help remove any remaining SPH. SVE removed the remaining SPH and significantly reduced the dissolved-phase hydrocarbon concentrations in monitoring wells in MW-2 and MW-5. With the removal of the USTs and SPH the source of hydrocarbons has been substantially removed.

The Site Has Been Adequately Characterized: A total of 12 soil borings have been advanced, 17 soil samples have been collected and analyzed, and 6 monitoring wells have been installed since 1993. Currently onsite there are two source area monitoring wells (MW-2 and MW-5), one upgradient well (MW-1), one crossgradient well (MW-3), and two downgradient wells (MW-4 and MW-6). No hydrocarbon impact was detected in soil from borings MW-4, MW-6, G-4, G-5, G-6, G-7B, and G-8. Hydrocarbon impacted soil appears to be limited to onsite.

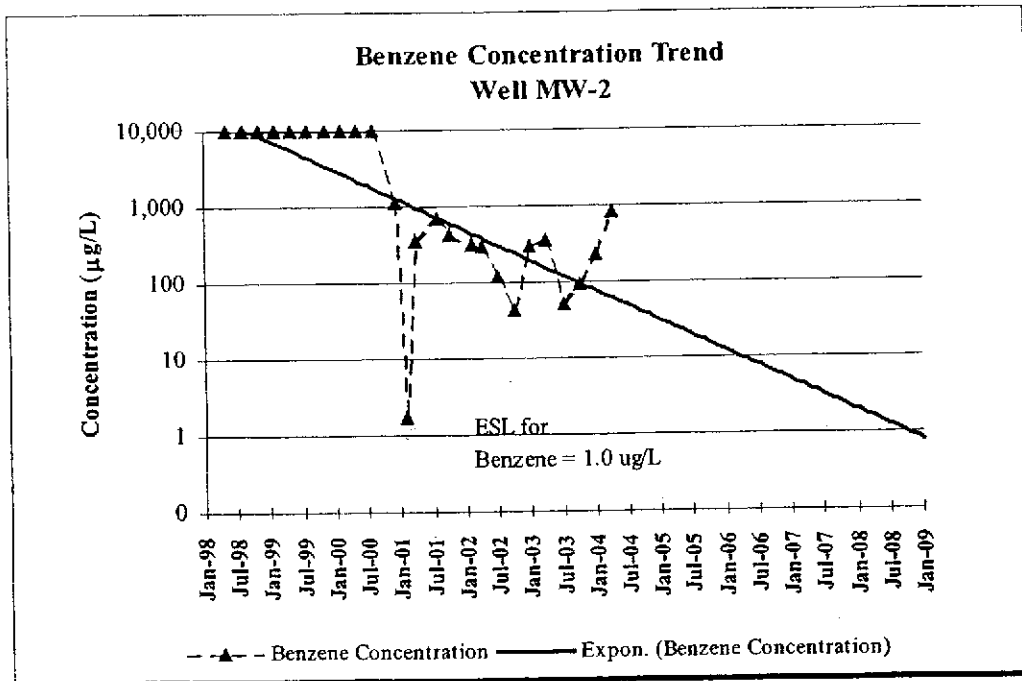
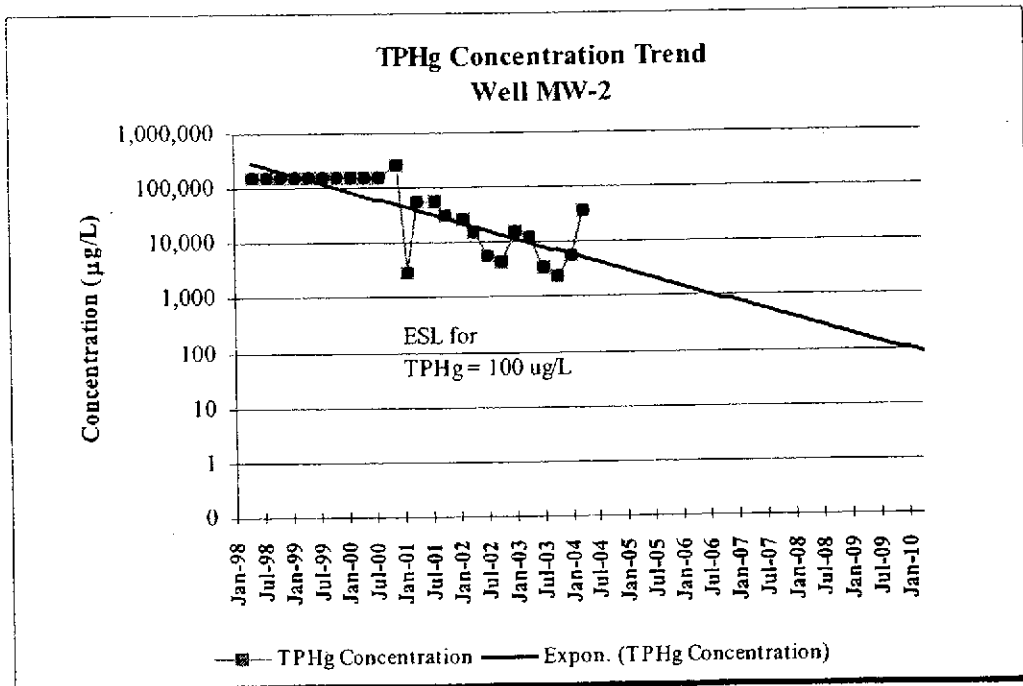
Since 1993, a total of 143 groundwater samples have been collected and analyzed during 31 groundwater monitoring events and one grab groundwater event. Groundwater monitoring data indicates that the hydrocarbon plume is collapsing. Overall, the extent of impact to soil and groundwater has been defined to the degree necessary to determine if the site poses a threat to human health, the environment, or other sensitive receptors.



The Dissolved Hydrocarbon Plume Is Not Migrating: Based on recent groundwater monitoring events the hydrocarbon plume is confined to the site. The downgradient (MW-4) and crossgradient (MW-6) wells have had non-detectable levels of hydrocarbons since October 2002. The decreasing hydrocarbon concentrations in groundwater onsite indicates that natural attenuation is remediating the site hydrocarbons at a rate which exceeds the rate of hydrocarbon loading to groundwater and the plume in groundwater is shrinking. Therefore, the hydrocarbon plume is not migrating. The plume is expected to shrink due to natural attenuation processes until site hydrocarbons are remediated. Concentrations of TPHg and benzene in source area well MW-2 have been calculated to decrease to below respective Environmental Screening Levels¹ (ESLs) and Maximum Contaminant Level² (MCL) for benzene by approximately 2010. See concentration versus time graphs below and on the following page for the calculated time till TPHg and benzene degrade below the ESLs.

1 California Regional Water Quality Control Board, San Francisco Bay Region, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume 1: Summary Tier 1 Lookup Tables, INTERIM FINAL July 2003.

2 California Department of Health Services, Title 22, California Code of Regulations, Division 4. Environmental Health, Chapter 15. Domestic Water Quality and Monitoring, Article 5.5. Primary Standards-Organic Chemicals, Section 64444. General requirements, Table 6444-A Maximum Contaminant Levels Organic Chemicals, September 12, 2003.



No Water Wells, Deeper Drinking Water Aquifers, Surface Water, or Other Sensitive Receptors are Likely to be Impacted: On April 8, 2004, Cambria performed a door-to-door survey for beneficial use wells (e.g., municipal supply, domestic, irrigation, etc.) and surface water bodies within 250 ft of the site. Cambria did not locate any surface water bodies or beneficial use wells within 250 ft of the site. Central Reservoir, located approximately 1,600 ft east (crossgradient) of the site, is the closest surface water body. Given the absence of surface water or water wells near the site, and the fact that the plume is not migrating, no water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted by the site hydrocarbons. See Appendix D for the well survey questionnaires and responses.



The Site Presents No Significant Risk to Human Health or the Environment: To assess the potential health risks to occupants of the site and adjacent property, Cambria compared site hydrocarbon concentrations with the ESLs (Table 1). The exposure pathways evaluated include both groundwater as a potential source of drinking water and groundwater not a current or potential source of drinking water. Concentrations of TPHg and benzene in well MW-2 and MW-5 have been calculated to decrease to below respective ESLs by 2010 (Appendix C). We therefore conclude that the current onsite and offsite conditions do not pose a significant risk to existing or future human occupants of the site or offsite property. Ongoing natural attenuation will further decrease the potential health risk to human receptors. Because the plume is shrinking and is not expected to extend from the site, there is no significant risk to surface water, wetlands or other ecological receptors.

CONCLUSIONS AND RECOMMENDATIONS

The fueling facilities have been removed from the site, groundwater monitoring has shown that the residual hydrocarbon plume is shrinking, and residual hydrocarbons in soil and groundwater do not pose a significant risk to offsite or future onsite receptors. Based on these facts, the site satisfies the RWQCB-SFBR criteria for a low-risk fuel site. Therefore, on behalf of Ms. Gatzke, we request case closure for the site.

CLOSING

Thank you for your considering this closure request. If you have any questions or comments regarding this site, please call Matthew Meyers at (510) 420-3314.

Sincerely,

Cambria Environmental Technology, Inc.



Matthew A. Meyers
Senior Staff Geologist

Neal Siler, R.G., R.E.A.
Senior Project Geologist



ATTACHMENTS

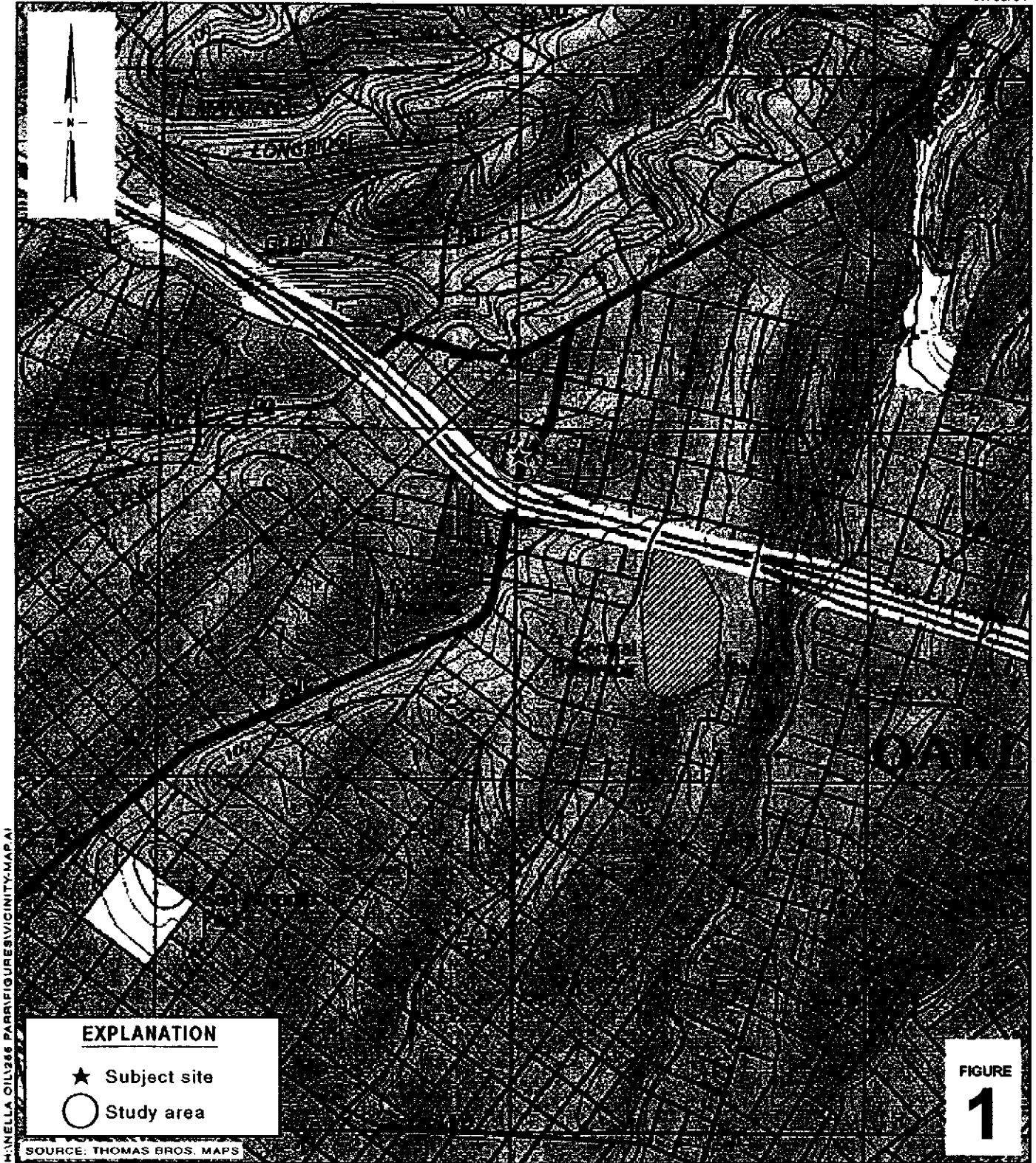
Figures: 1 – Vicinity Map
 2 – Groundwater Elevation Contour and Hydrocarbon Concentration Map

Tables: 1 – Groundwater Elevation and Analytical Data

Appendices: A – Boring Logs and Well Construction Details
 B – Soil Analytical Data from Previous Consultant
 C – Hydrocarbon Concentration Graphs
 D – Well Survey Questionnaires

cc: Ms. Naomi Gatzke, 1545 Scenic View Drive, San Leandro, California 94577

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Hooshii's Auto Service
 1499 MacArthur Boulevard
 Oakland, California



Vicinity Map
 250 Foot Radius

MAC ARTHUR BLVD.

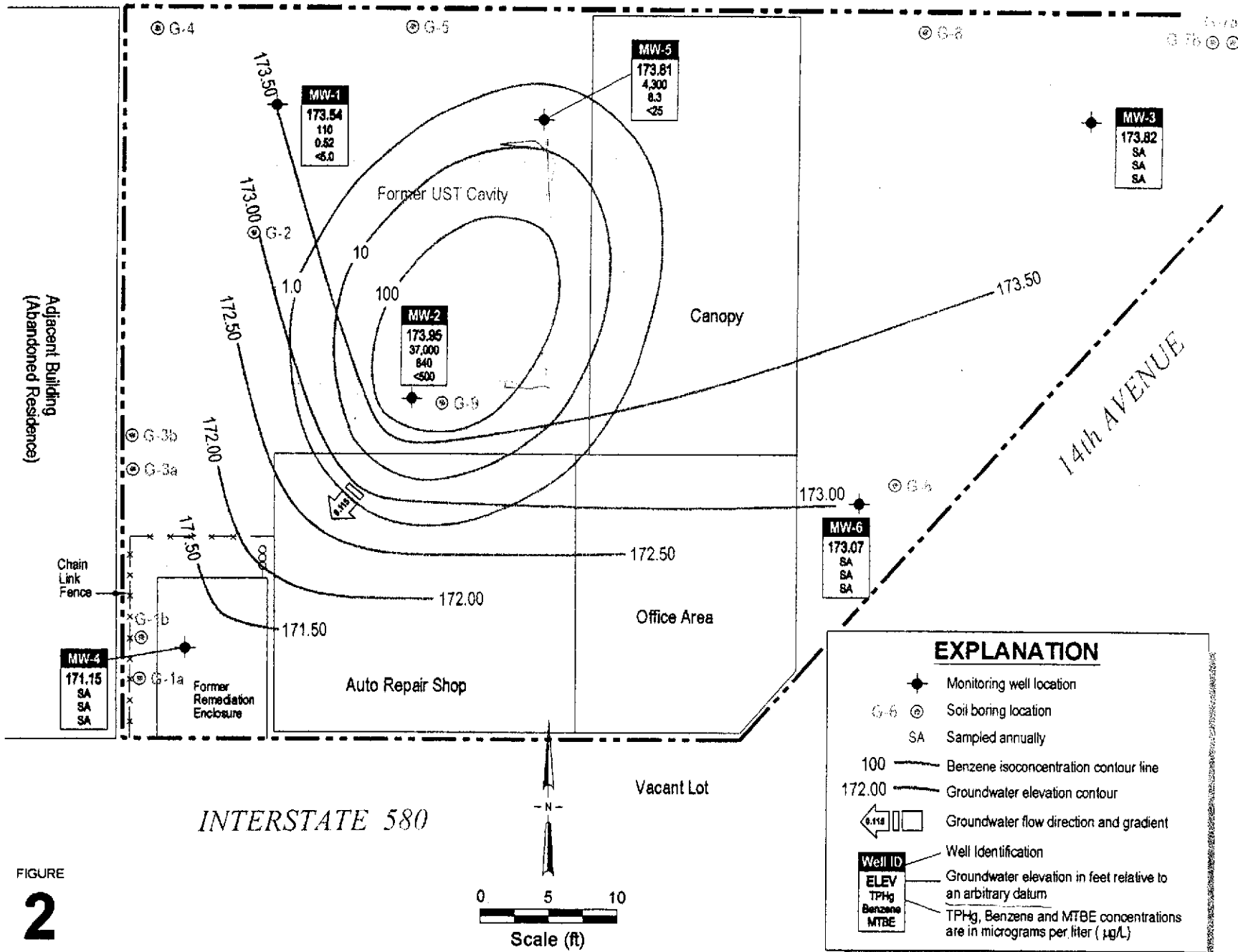


FIGURE
2

Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California



C A M B R I A

**Groundwater Elevation Contour
and Hydrocarbon Concentration Map**

April 2, 2004

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID TOC (ft*)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg	Analytical Data (µg/L)					Notes
						Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	
<i>ESL Groundwater is a Current or Potential Source of Drinking Water:</i>					100	1.0	40	30	13	5.0	
<i>ESL Groundwater is Not a Source of Drinking Water:</i>					500	46	130	290	13	1,800	
MW-1	1/4/1993	--	--	--	539	130	12	22	13	--	
181.00	4/22/1993	--	--	--	1,130	75	8.0	38	11	--	
	12/27/1994	--	--	--	770	22	6.6	14	21	--	
	6/27/1996	14.11	166.89	--	3,300	260	34	59	170	80	
	12/10/1996	13.71	167.29	--	1,500	84	11	22	32	34	
	5/8/1998	13.85	167.15	--	3,200	300	12	62	36	<120	a
	8/17/1998	14.11	166.89	--	1,700	160	18	32	27	39	a
	11/4/1998	14.28	166.72	--	1,100	11	4.3	3.6	6.5	<50	a
	2/17/1999	13.41	167.59	--	320	200	47	72	75	57	a
180.83	5/27/1999	14.16	166.84	--	2,500	81	12	29	41	<80	a
	8/19/1999	14.18	166.82	--	780	19	<0.5	5.7	4.5	28	a
	11/23/1999	14.43	166.40	--	1,300	24	0.64	1.8	3.3	<100	a
	2/17/2000	13.85	166.98	--	1,300	60	9.1	22	19	22 (16)	a,b
	5/9/2000	14.01	166.82	--	2,700	55	13	19	25	34 (29)	a
	8/15/2000	14.24	166.59	--	--	--	--	--	--	--	
	12/1/2000	8.75	172.08	--	480	6.4	5.9	1.1	3.9	18 (21)	a
	2/8/2001	8.49	172.14	--	64	<0.5	<0.5	<0.5	<0.5	6.1 (5.6)	a,c
180.63	4/9/2001	8.71	171.92	--	--	--	--	--	--	--	
	4/24/2001	7.90	172.73	--	77	<0.5	<0.5	<0.5	<0.5	5.6 (3.7)	c
	8/6/2001	8.83	171.80	--	140	1.7	0.55	<0.5	0.63	5.8 (4.0)	a
	10/22/2001	8.91	171.72	--	120	0.92	<0.5	<0.5	0.59	11(10)	a
	2/1/2002	8.15	172.48	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/19/2002	8.63	172.00	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/2002	8.79	171.84	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/3/2002	8.90	171.73	--	110	<0.5	<0.5	<0.5	<0.5	<5.0	f
	1/10/2003	7.93	172.70	--	<50	<0.5	0.74	<0.5	<0.5	<5.0	
	4/21/2003	8.17	172.46	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
7/9/2003	8.92	171.71	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0		

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID TOC (ft*)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	Concentrations (µg/L)						Notes
					TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	
<i>ESL Groundwater is a Current or Potential Source of Drinking Water:</i>					100	1.0	40	30	13	5.0	
<i>ESL Groundwater is Not a Source of Drinking Water:</i>					500	46	130	290	13	1,800	
MW-1	10/7/2003	9.13	171.50	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
cont'd	1/22/2004	8.20	172.43	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/2/2004	7.09	173.54	--	110	0.52	<0.5	<0.5	<0.5	<5.0	
MW-2	1/4/1993	--	--	--	149,000	21,700	25,000	ND	7,760	--	
180.45	4/22/1993	--	--	--	136,300	9,900	15,870	15,300	2,190	--	
	12/27/1994	--	--	--	94,000	11,000	18,000	2,700	16,000	--	
	6/27/1996	12.61	168.64	1.00	--	--	--	--	--	--	
	12/10/1996	11.10	169.55	0.25	--	--	--	--	--	--	
	5/8/1998	10.81	169.66	0.03	--	--	--	--	--	--	
	8/17/1998	12.16	168.31	0.02	--	--	--	--	--	--	
	11/4/1998	12.61	167.86	0.02	--	--	--	--	--	--	
	2/17/1999	9.82	170.66	0.04	--	--	--	--	--	--	
	5/27/1999	11.07	169.48	0.13	--	--	--	--	--	--	
	8/19/1999	12.79	167.68	0.02	--	--	--	--	--	--	
180.24	11/23/1999	12.14	168.20	0.12	--	--	--	--	--	--	
	2/17/2000	10.01	170.37	0.18	--	--	--	--	--	--	
	5/9/2000	10.88	169.38	0.03	--	--	--	--	--	--	
	8/15/2000	12.28	167.97	0.01	--	--	--	--	--	--	
	12/1/2000	8.03	172.21	--	260,000	1,100	5,000	1,900	17,000	<100	a
	2/8/2001	7.86	172.38	--	2,900	1.7	14	5.0	140	<5.0	c,d
	4/9/2001	7.95	172.29	--	--	--	--	--	--	--	
	4/24/2001	6.90	173.34	--	56,000	360	980	1,000	4,700	<5.0	a,b
	8/6/2001	8.15	172.09	--	54,000	680	1,900	1,500	7,800	<200 (<10)	a,b,j
	10/22/2001	8.22	172.02	--	32,000	420	770	1,100	4,100	<250	a,b
	2/1/2002	8.07	172.17	--	26,000	310	490	920	1,600	<1,000	a
	4/19/2002	8.60	171.64	--	16,000	300	240	1,000	990	<100	a
	7/16/2002	8.21	172.03	--	5,700	120	18	340	15	<50	a

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID <i>TOC (ft*)</i>	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	<i>(µg/L)</i>						Notes
					TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	
<i>ESL Groundwater is a Current or Potential Source of Drinking Water:</i>					100	1.0	40	30	13	5.0	
<i>ESL Groundwater is Not a Source of Drinking Water:</i>					500	46	130	290	13	1,800	
MW-2	10/3/2002	8.14	172.10	--	4,400	44	16	68	20	<25	a
<i>cont'd</i>	1/10/2003	6.98	173.26	--	16,000	300	320	580	830	<100	a,b
	4/21/2003	7.25	172.99	--	12,000	350	260	610	380	<50	a
	7/9/2003	7.99	172.25	--	3,300	51	7.4	47	2.8	<17	a
	10/7/2003	8.21	172.03	--	2,400	93	11	34	22	<50	a
	1/22/2004	7.24	173.00	--	5,900	240	130	350	200	<50	a
	4/2/2004	6.29	173.95	--	37,000	840	1,500	1,300	5,900	<500	a
MW-3	1/4/1993	--	--	--	1,610	772	14	11	ND	--	
179.94	4/22/1993	--	--	--	3,040	980	34	19	16	--	
	12/27/1994	--	--	--	2,600	180	9.0	7.2	13	--	
	6/27/1996	13.20	166.74	--	2,000	22	2.9	11	7.4	56	
	12/10/1996	13.13	166.81	--	970	<0.5	<0.5	<0.5	<0.5	24	
	5/8/1998	13.03	166.91	--	780	3.7	2.1	1.1	2.4	<32	a
	8/17/1998	13.22	166.72	--	870	2.8	<0.5	<0.5	3.7	<5.0	b,c
	11/4/1998	13.31	166.63	--	770	1.6	4.4	2.0	6.9	<30	c
	2/17/1999	12.89	167.05	--	650	6.2	3.4	1.5	2.6	<5.0	b,c
	5/27/1999	12.32	167.62	--	570	1.5	1.2	0.72	1.1	<20	a
	8/19/1999	13.19	166.75	--	830	<0.5	1.9	<0.5	1.3	<20	c,d
179.55	11/23/1999	13.26	166.29	--	900	<0.5	1.8	0.56	1.4	<20	c,d
	2/17/2000	12.78	166.77	--	250	<0.5	1.5	<0.5	0.62	<5.0	d
	5/9/2000	12.92	166.63	--	690	<0.5	2.1	0.85	1.6	<5.0	a
	8/15/2000	13.19	166.36	--	610	<0.5	2.3	0.75	1.2	<5.0	c,d
	12/1/2000	7.50	172.05	--	120	<0.5	0.90	0.65	0.62	<5.0	c,d
	2/8/2001	7.20	172.35	--	87	<0.5	<0.5	<0.5	<0.5	<5.0	c,d
	4/9/2001	7.33	172.22	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/6/2001	7.61	171.94	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/22/2001	7.58	171.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

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Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
TOC (ft*)					← (µg/L) →						
<i>ESL Groundwater is a Current or Potential Source of Drinking Water:</i>					100	1.0	40	30	13	5.0	
<i>ESL Groundwater is Not a Source of Drinking Water:</i>					500	46	130	290	13	1,800	
MW-3	2/1/2002	7.53	172.02	--	<50	<0.5	<0.5	<0.5	<0.5	8.5 (8.5)	
<i>cont'd</i>	4/19/2002	7.95	171.60	--	<50	<0.5	<0.5	<0.5	<0.5	9.0 (11)	
	7/16/2002	7.68	171.87	--	<50	<0.5	<0.5	<0.5	<0.5	20 (30)	
	10/3/2002	7.78	171.77	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/10/2003	6.91	172.64	--	<50	<0.5	<0.5	<0.5	<0.5	19 (16)	
<i>sampled annually</i>	4/21/2003	7.21	172.34	--	--	--	--	--	--	--	
	7/9/2003	8.05	171.50	--	--	--	--	--	--	--	
	10/7/2003	8.19	171.36	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/22/2004	7.13	172.42	--	--	--	--	--	--	--	
	4/2/2004	5.73	173.82	--	--	--	--	--	--	--	
MW-4	6/27/1996	17.03	163.51	--	720	2	0.5	2.5	23	3.2	
180.54	12/10/1996	8.50	172.04	--	80	2.4	<0.5	<0.5	6.6	<2.0	
	5/8/1998	11.46	169.08	--	<50	0.60	<0.5	<0.5	<0.5	<5.0	
	8/17/1998	13.98	166.56	--	<50	<0.5	<0.5	<0.5	0.5	<5.0	
	11/4/1998	14.36	166.18	--	96	9.7	8.1	4.8	18	<5.0	a
	2/17/1999	8.39	172.15	--	<50	<0.5	<0.5	<0.5	0.5	<5.0	
	5/27/1999	12.80	167.74	--	<50	<0.5	1.0	<0.5	2.9	<5.0	
	8/19/1999	14.42	166.12	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
180.12	11/23/1999	14.63	165.49	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/17/2000	8.15	171.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/9/2000	12.81	167.31	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/15/2000	14.29	165.83	--	<50	2.1	<0.5	<0.5	<0.5	<5.0	
	12/1/2000	12.80	167.32	--	81	6.0	8.4	1.0	5.6	<5.0	a
	2/8/2001	12.57	167.55	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/9/2001	12.50	167.62	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/6/2001	14.00	166.12	--	59	1.5	<0.5	<0.5	<0.5	<5.0	a
	10/22/2001	14.05	166.07	--	130	6.3	<0.5	0.88	<0.5	<5.0	a

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Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID TOC (ft*)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
<i>ESL Groundwater is a Current or Potential Source of Drinking Water:</i>					100	1.0	40	30	13	5.0	
<i>ESL Groundwater is Not a Source of Drinking Water:</i>					500	46	130	290	13	1,800	
MW-4	2/1/2002	13.47	166.65	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
cont'd	4/19/2002	13.55	166.57	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/2002	14.05	166.07	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/3/2002	13.09	167.03	--	77	2.1	0.51	<0.5	<0.5	<5.0	a
	1/10/2003	12.04	168.08	--	<50	<0.5	<0.5	<0.5	<0.5	20 (15)	a
	4/21/2003	12.15	167.97	--	--	--	--	--	--	--	
sampled annually	7/9/2003	12.90	167.22	--	--	--	--	--	--	--	
	10/7/2003	13.15	166.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/22/2004	12.09	168.03	--	--	--	--	--	--	--	
	4/2/2004	8.97	171.15	--	--	--	--	--	--	--	
MW-5	6/27/1996	13.62	166.74	0.16	--	--	--	--	--	--	
180.23	12/10/1996	13.26	167.77	1.00	--	--	--	--	--	--	
	5/8/1998	13.15	167.11	0.04	--	--	--	--	--	--	
	8/17/1998	13.36	166.89	0.02	--	--	--	--	--	--	
	11/4/1998	13.52	166.73	0.02	--	--	--	--	--	--	
	2/17/1999	13.02	167.23	0.02	--	--	--	--	--	--	
	5/27/1999	13.80	166.71	0.35	--	--	--	--	--	--	
	8/19/1999	13.45	166.86	0.10	--	--	--	--	--	--	
180.09	11/23/1999	14.03	166.35	0.36	--	--	--	--	--	--	
	2/17/2000	13.28	167.02	0.26	--	--	--	--	--	--	
	5/9/2000	13.55	166.77	0.29	--	--	--	--	--	--	
	8/15/2000	13.58	166.54	0.04	--	--	--	--	--	--	
	12/1/2000	8.00	172.09	0.00	54,000	240	1,700	870	1,000	<300	c,d
180.04	2/8/2001	7.88	172.16	0.00	33,000	63	420	120	4,500	<50	a,b
	4/9/2001	7.97	172.07	0.00	--	--	--	--	--	--	
	4/24/2001	7.00	173.04	0.00	3,200	<1.0	11	7	260	<5.0	c,d
	8/6/2001	8.17	171.87	--	2,700	11	40	21	240	<5.0	a

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Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID <i>TOC (ft*)</i>	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg ←	Benzene	Toluene	→ (µg/L)			Notes
								Ethylbenzene	Xylenes	MTBE	
<i>ESL Groundwater is a Current or Potential Source of Drinking Water:</i>					100	1.0	40	30	13	5.0	
<i>ESL Groundwater is Not a Source of Drinking Water:</i>					500	46	130	290	13	1,800	
<i>MW-5 cont'd</i>	10/22/2001	8.15	171.89	--	20,000	200	1,200	330	2,900	<100	a,b
	2/1/2002	8.07	171.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/19/2002	8.51	171.53	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/2002	8.40	171.64	--	<50	<0.5	<0.5	<0.5	1.7	<5.0	
	10/3/2002	8.18	171.86	--	15,000	94	830	460	2,200	<500	a
	1/10/2003	6.95	173.09	--	290	<0.5	1.8	<0.5	17	<5.0	a
	4/21/2003	7.18	172.86	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/9/2003	7.95	172.09	--	<50	<0.5	<0.5	<0.5	2.7	<5.0	
	10/7/2003	8.22	171.82	--	9,800	120	340	180	2,000	<50	a
	1/22/2004	7.18	172.86	--	250	<0.5	0.82	<0.5	29	<5.0	d
	4/2/2004	6.23	173.81	--	4,300	6.3	18	59	750	<25	a
MW-6	6/27/1996	18.55	161.48	--	ND	ND	ND	ND	ND	--	
180.03	12/10/1999	11.79	168.24	--	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	
	5/8/1998	11.62	168.41	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/17/1998	12.66	167.37	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/4/1998	13.56	166.47	--	68	3.8	3.7	2.8	11	<5.0	a
	2/17/1999	12.91	167.12	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/27/1999	13.03	167.00	--	<50	1.0	1.7	0.82	4.9	<5.0	
	8/19/1999	13.10	166.93	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
179.63	11/23/1999	13.58	166.05	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/17/2000	10.72	168.91	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/9/2000	11.71	167.92	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/15/2000	12.49	167.14	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/1/2000	8.64	170.99	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/8/2001	8.20	171.43	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/9/2001	8.53	171.10	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/6/2001	8.69	170.94	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/22/2001	8.75	170.88	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

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Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID TOC (ft*)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg	(µg/L)					Notes
						Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	
<i>ESL Groundwater is a Current or Potential Source of Drinking Water:</i>					100	1.0	40	30	13	5.0	
<i>ESL Groundwater is Not a Source of Drinking Water:</i>					500	46	130	290	13	1,800	
MW-6	2/1/2002	8.31	171.32	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
cont'd	4/19/2002	8.62	171.01	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/2002	8.84	170.79	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/3/2002	8.71	170.92	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/10/2003	6.99	172.64	--	<50	<0.5	<0.5	<0.5	<0.5	19 (16)	
	4/21/2003	7.15	172.48	--	--	--	--	--	--	--	
sampled annually	7/9/2003	7.98	171.65	--	--	--	--	--	--	--	
	10/7/2003	8.28	171.35	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/22/2004	7.15	172.48	--	--	--	--	--	--	--	
	4/2/2004	6.56	173.07	--	--	--	--	--	--	--	
Trip Blank	5/8/1998	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/4/1998	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/27/1999	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/23/1999	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/1/2000	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
<i>Previous Investigation Results</i>											
G-4-W	6/24/1996	--	--	--	ND	ND	1	ND	1.2	--	
G-7-W	6/24/1996	--	--	--	ND	ND	1.3	ND	1.5	--	

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Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft ^{**})	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
TOC (ft [*])					← (µg/L) →						
<i>ESL Groundwater is a Current or Potential Source of Drinking Water:</i>					100	1.0	40	30	13	5.0	
<i>ESL Groundwater is Not a Source of Drinking Water:</i>					500	46	130	290	13	1,800	

Abbreviations and Methods:

SPH = Separate phase hydrocarbons

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020

MTBE = Methyl tertiary butyl ether by EPA Method 8020

(concentration in parentheses confirmed by EPA Method 8260)

ft = measured in feet

µg/L = Micrograms per liter

TOC = Top of casing elevation

-- = not sampled.

ND = Compound not detected, detection limit unknown

* = wells surveyed to an arbitrary datum

** = Calculated groundwater elevation corrected for SPH by the relation:

Groundwater Elevation = Well Elevation - Depth to Water + (0.8xSPH thickness (ft))

*** = Due to the air sparge system running during sampling, samples collected on 4/9/01

were anomalous. Well was resampled on 4/24/01 with the air sparge system off.

RBSL = Risk Based Screening Levels as per the Oakland Tier I Table dated January 1, 2000 from the Oakland Urban Land Redevelopment Program: Guidance Document

>SOL = RBSL exceeds solubility of chemical in water.

Notes:

a - The analytical laboratory noted that unmodified or weakly modified gasoline is significant.

b - The analytical laboratory noted lighter than water immiscible sheen is present.

c - The analytical laboratory noted no recognizable pattern.

d - The analytical laboratory noted heavier gasoline range compounds are significant (aged gasoline?)

f - The analytical laboratory noted one to a few isolated non-target peaks present

j - The analytical laboratory noted sample diluted due to high organic content.

APPENDIX A

Boring Logs and Well Construction Details

LOG OF BORING

SHEET 1 OF 1

BORING NUMBER: G-1B

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

Geoprobe

PROJECT NUMBER: 20596-001-01

DRILLING METHOD: Geoprobe


TYPE OF BIT:

DRILLING CONTRACTOR: Kvilhaug

START DATE: 6/24/96 9:20 AM

COMPLETION DATE: 6/24/96 9:25 AM

BORE HOLE DIAMETER: 2"

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE TYPE	INTERVAL	RECOVERY	PID Reading	USCS	LOG OF MATERIAL	PIEZOMETER WELL INSTALLATION
5				100%		SP	<p>Gravelly SAND, SP, medium dense, moist, red-yellow 7.5 YR 6/8, no hydrocarbon odor or discoloration, coarse grained - fill material</p>	
10 15 20							<p>Total Depth = 7.5 ft - hit concrete or cobbles, backfilled at end of day with grout and top 6' was resurfaced with asphalt.</p>	

BORING NUMBER : G-2

LOG OF BORING

SHEET 1 OF 1

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

PROJECT NUMBER: 20596-001-01

Geoprobe

DRILLING CONTRACTOR: Kvilhaug

DRILLING METHOD : Geoprobe

START DATE: 6/24/96 9:30 AM

TYPE OF BIT:

COMPLETION DATE: 6/24/96 10:10 AM

BORE HOLE DIAMETER: 2"

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE TYPE	INTERVAL	RECOVERY	PID Reading	USCS	LOG OF MATERIAL	PIEZOMETER WELL INSTALLATION
5	G-2-5' 9:50 AM	geoprobe		100%		SW	Gravelly SAND, SM, medium dense, dry red-yellow 7.5 YR 6/8, no hydrocarbon odor or discoloration - fill material	
				100%		ML	Sandy Clayey SILT, ML, medium stiff, moist, olive 5Y 5/4 no hydrocarbon odor or discoloration	
0	G-2-10' 9:55 AM			100%		SP	Silty SAND, SP, medium dense, moist, olive-gray 5Y 4/2, hydrocarbon odor and discoloration present.	
5				100%		CL	CLAY, CL, medium stiff, moist, dark gray, moderate plasticity	
0							Depth = 16' - backfilled at end of day with grout and top 6' was resurfaced with asphalt.	

BORING NUMBER : G-3A

LOG OF BORING

SHEET 1 OF 1

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

PROJECT NUMBER: 20596-001-01

Geoprobe

DRILLING CONTRACTOR: Kvilhaug


DRILLING METHOD : Geoprobe

TYPE OF BIT:

START DATE: 6/24/96 10:20 AM

COMPLETION DATE: 6/24/96 10:35 AM

BORE HOLE DIAMETER: 2"

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE TYPE	INTERVAL	RECOVERY	PID Reading	USCS	LOG OF MATERIAL	PIEZOMETER WELL INSTALLATION
5		geoprobe		90%		SP	Clayey, Gravelly, Silty SAND, SP medium dense, moist, red-brown 2.5YR 4/2 no hydrocarbon odor or discoloration - fill material	
10 15 20				100%			Total depth = 6' - hit concrete, moved 4' easterly see boring 6-3B, backfilled at end of day with grout and top 6' was resurfaced with asphalt.	

BORING NUMBER : G-3B

LOG OF BORING

SHEET 1 OF 1

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

PROJECT NUMBER: 20596-001-01

Geoprobe

DRILLING CONTRACTOR: Kvilhaug

DRILLING METHOD : Geoprobe

TYPE OF BIT:

START DATE: 6/24/96 10:40 AM

COMPLETION DATE: 6/24/96 11:10 AM

BORE HOLE DIAMETER: 2"

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE TYPE	INTERVAL	RECOVERY	PID Reading	USCS	LOG OF MATERIAL	PIEZOMETER WELL INSTALLATION
5	G-3B-6' 10:44 AM	geoprobe		100%		SP/ML	Gravelly, Clayey SAND and SILT, SP/ML medium dense, moist, red-brown 2.5YR 4/2 no hydrocarbon odor or discoloration - fill material	
10	G-3B-10' 10:54 AM		100%	1.8 ppm	CH	CLAY, CH, medium stiff, dark gray to black with red iron staining and no hydrocarbon odor or discoloration from 7-8', from 8-11' color changes to olive gray 5Y 4/2 with apparent hydrocarbon staining.		
			100%		CL	Gravelly CLAY, CL, medium stiff, moist, moderate plasticity with green hydrocarbon discoloration		
15	G-3B-14.5 11:00 AM		100%	9 ppm	SC	Clayey SAND, SC, medium dense, moist, olive gray 5Y 4/2, moderate hydrocarbon odor		
20							Total Depth = 16' - backfilled at end of day with grout and top 6' was resurfaced with asphalt.	

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

PROJECT NUMBER: 20596-001-01

Geoprobe

DRILLING CONTRACTOR: Kvilhaug

DRILLING METHOD : Geoprobe

TYPE OF BIT:

START DATE: 6/24/96 11:20

COMPLETION DATE: 6/24/96 11:50 AM

BORE HOLE DIAMETER: 2"

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE TYPE	INTERVAL	RECOVERY	PID Reading	USCS	LOG OF MATERIAL	PIEZOMETRY WELL INSTALLATION
5	G-4-5' 11:22 AM	geoprobe		100%	3 ppm	SP	Gravelly, Clayey SAND and silt, SP medium dense, moist, red-brown 2.5YR 4/2 no hydrocarbon odor or discoloration - fill material	
				100%		CL	CLAY, CL, soft, olive gray 5Y 4/2 with a moderate hydrocarbon odor and discoloration, medium plasticity	
				100%		CL	Silty CLAY, CL, stiff, moist, red gray 5YR 4/2 no hydrocarbon odor or discoloration	
				100%		SM	Silty SAND, SC, moist, very stiff, brown 7.5 YR 4/4 sligt hydrocarbon odor	
10	G-4-10' 11:32 AM					SC	SAND, SC, loose, yellow brown 10YR 5/8 to olive gray 5Y 4/2, moist, fine grained, moderate hydrocarbon odors from 12 to 14'	
15								
20								
							Total Depth = 20' - backfilled at end of day with grout and top 6' was resurfaced with asphalt.	

BORING NUMBER : G-5

LOG OF BORING

SHEET _1_ OF _1_

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

PROJECT NUMBER: 20596-001-01

Geoprobe

DRILLING CONTRACTOR: Kvilhaug

DRILLING METHOD : Geoprobe

TYPE OF BIT:

START DATE: 6/24/96 11:55

COMPLETION DATE: 6/24/96 12:15 PM

BORE HOLE DIAMETER: 2"

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE TYPE	INTERVAL	RECOVERY	PID Reading	USCS	LOG OF MATERIAL	PIEZOMETRY WELL INSTALLATION
5	G-5-7 11:59 AM	geoprobe		100%		SP	Gravelly, Clayey, Silty, SAND, SP medium dense, moist, red-brown 2.5YR 4/2 no hydrocarbon odor or discoloration - fill material	
				100%		CH	CLAY, CH, medium stiff, brown gray 5Y 5/2 with a moderate hydrocarbon odor	
				100%		CL	Silty CLAY, CL, stiff, olive gray 5Y 4/2, moist strong hydrocarbon odor and discoloration	
10	G-5-12 12:12 AM			100%	1.2 ppm	SC	SAND, SC, loose, moist, olive brown 2.5YR 4/2, fine grained	
15								
20								
							Total Depth = 20' - backfilled at end of day with grout and top 6" was resurfaced with asphalt.	

BORING NUMBER: G-6

LOG OF BORING

SHEET 1 OF 1

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

PROJECT NUMBER: 20596-001-01

Geoprobe

DRILLING CONTRACTOR: Kvilhaug

DRILLING METHOD: Geoprobe

START DATE: 6/24/96 1:00 PM

TYPE OF BIT:

COMPLETION DATE: 6/24/96 1:30 PM

BORE HOLE DIAMETER: 2"

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE TYPE	INTERVAL	RECOVERY	PID Reading	USCS	LOG OF MATERIAL		MEZOMETER WELL INSTALLATION	
5		geoprobe		100%		SC	Gravelly, Silty, SAND, SM, medium dense, moist, red-brown 2.5YR 4/2, poorly graded, no hydrocarbon odor or discoloration - fill material			
				50%			ML	SILT, ML, very soft, black, low plasticity		
0	G-6-10' 1:27 PM			80%	2 ppm		CL	CLAY, CL, medium stiff, olive gray 5Y 4/2, moist, high plasticity		
5										
10										
							Total Depth = 20' - backfilled at end of day with grout and top 6" was resurfaced with asphalt.			

LOG OF BORING

BORING NUMBER : G-7B

PROJECT NAME: Hooshi Automotive

PROJECT NUMBER: 20596-001-01

DRILLING CONTRACTOR: Kvilhaug

DRILLING METHOD : Geoprobe

START DATE: 6/24/96 1:45 PM

COMPLETION DATE: 6/24/96 2:15 PM

DRILL MANUFACTURER/MODEL:

Geoprobe _____

TYPE OF BIT:

BORE HOLE DIAMETER: 2"

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE TYPE	INTERVAL	RECOVERY	PID Reading	USCS	LOG OF MATERIAL	PIEZOMETER WELL INSTALLATION	
5	G-7B-5' 1:50 PM	geoprobe	[Diagram: 5' to 7' interval, 80% recovery]	80%		CH	CLAY, CH, moist, olive gray 5Y 4/2 moderate plasticity		
10	G-7B-10' 2:06 PM		[Diagram: 7' to 10' interval, 95% recovery]	95%		SC	Clayey SAND, SC, medium dense, moist, olive gray 5Y 4/2		
							CL	CLAY, CL, stiff, moist, olive gray 5Y 4/2, medium plasticity	
							SP	SAND, SP, medium dense, moist, olive gray 5Y 4/2, fine grained	
20	Total depth = 20' - backfilled at end of day with grout and top 6' was resurfaced with asphalt								

BORING NUMBER: G-8

LOG OF BORING

SHEET 1 OF 1

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

PROJECT NUMBER: 20596-001-01

Geoprobe

DRILLING CONTRACTOR: Kvilhaug

DRILLING METHOD :

TYPE OF BIT:

START DATE: 6/24/96 2:20 PM

COMPLETION DATE: 6/24/96 2:35 PM

BORE HOLE DIAMETER: 2"

DEPTH SCALE (FEET)	SAMPLE NO:	SAMPLE TYPE	INTERVAL	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL		PIEZOMETER WELL INSTALLATION
5							Fill Material		
							No sample taken		
10	G-8-10'	geoprobe		95%		CH	CLAY, CH, medium stiff, moist, olive gray 5Y 4/2 high plasticity		
						SM	SAND, SM, medium dense, moist, olive 5Y 5/4, fine grained		
15									
20									
							Total Depth = 20' - backfilled at end of day with grout and top 6" was resurfaced with asphalt		

BORING NUMBER: MW-4

LOG OF BORING

SHEET 1 OF 1

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

PROJECT NUMBER: 20596-001-01

Hollow Stem Auger Equipment

DRILLING CONTRACTOR: Kvilhaug

DRILLING METHOD: Hollow Stem Auger

TYPE OF BIT:

START DATE: 6/27/96 9:15 AM

COMPLETION DATE: 6/27/96 10:20 AM

BORE HOLE DIAMETER: 2'

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE TYPE	INTERVAL	RECOVERY	Blows Per 6 IN.	USCS	LOG OF MATERIAL	PIEZOMETER WELL INSTALLATION
5	MW-4-5'				5,4,4	SC	Clayey SAND, SC, medium stiff moist, red brown 2.5YR 4/2 fill material	<p>BENTONITE</p> <p>SAND</p> <p>SAND</p>
10	MW-4-10'				7,13,25	CL	Sandy, CLAY, CL, medium stiff, red yellow 7.5YR 6/8 to olive grey 5Y 4/2, moist, moderate plasticity	
15	MW-4-15'				15,25,50	SC	Clayey SAND, SC, medium dense, moist, brown 7.5YR 4/2, fine grained	
20	MW-4-20'				20,40,50			
							Total Depth = 20'	

BORING NUMBER : MW-5

LOG OF BORING

SHEET 1 OF 1

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

Hollow Stem Auger Equipment

PROJECT NUMBER: 20596-001-01

DRILLING METHOD : Hollow Stem Auger

TYPE OF BIT:

DRILLING CONTRACTOR: Kvilhaug

START DATE: 6/27/96 11:15 AM

COMPLETION DATE: 6/27/96 11:47 AM

BORE HOLE DIAMETER: 2"

DEPTH SCALE (FEET)	SAMPLE NO.	PID READING	INTERVAL	RECOVERY	Blows Per 6 IN.	USCS	LOG OF MATERIAL	PIEZOMETRY WELL INSTALLATION
						SC	Clayey Sand, SC, medium dense moist, brown 7.5YR 4/4	
5	MW-5-5				5,13,18	CH	CLAY, CH, soft, moist, dark brown 7.5YR 4/2	
10	MW-5-10	100 ppm			25,40,50	CL	Sandy, CLAY, CL, medium stiff, moist, light gray, moderate plasticity	
15	MW-5-15	95 ppm			18,35,50	SC	Clayey SAND, SC, medium dense, moist, brown 7.5YR 4/2 with green tinge, fine grained, hydrocarbon odor and discoloration present	
20							Total depth = 20'	

BORING NUMBER: MW-6

LOG OF BORING

SHEET 1 OF 1

PROJECT NAME: Hooshi Automotive

DRILL MANUFACTURER/MODEL:

PROJECT NUMBER: 20596-001-01

Hollow Stem Auger Equipment

DRILLING CONTRACTOR: Kvilhaug

DRILLING METHOD: Hollow Stem Auger

TYPE OF BIT:

START DATE: 6/27/96 1:20 PM

COMPLETION DATE: 6/27/96 2:30 PM

BORE HOLE DIAMETER: 2'

DEPTH SCALE (FEET)	SAMPLE NO.	PID READING	INTERVAL	RECOVERY	Blows Per 6 IN.	USCS	LOG OF MATERIAL	PIEZOMETER WELL INSTALLATION
5	MW-6-5' 1:35 PM	1.3 ppm			5.8.8	SC CH	Clayey Sand, SC, medium dense molst. brown 7.5YR 4/4 CLAY, CH, soft, molst, dark brown 7.5YR 4/2	<p>BENTONITE</p> <p>SAND</p> <p>SAND</p>
10	MW-6-10' 1:50 PM				10.18.20	GC	Gravel-Sand-Clay mixture, GC medium dense, molst, olive brown 2.5Y 4/2	
15	MW-6-15 2:05 PM	1.8 ppm			14.25.40	ML	Silty, Clayey, SAND, ML, medium stiff, molst, light gray to brown 7.5YR 4/4, slight plasticity, very fine grained	
20	MW-6-20' 2:20 PM	600 ppm			25.45.50		Total depth = 20'	

Analytical Report

Client: Century West Engineering
 Project: Hooshis Automotive
 Sample Matrix: Air

Service Request: S9601107
 Date Collected: 7/10/96
 Date Received: 7/11/96
 Date Extracted: NA
 Date Analyzed: 7/11/96

BTEX and Total Volatile Hydrocarbons
 EPA Methods 5030/8020/Modified 8015

Sample Name: MW5-1
 Lab Code: S9601107-001

	MRLs		Results	
	mg/m3	uL/L (ppmv)	mg/m3	uL/L (ppmv)
Benzene	0.5	0.2	53	17
Toluene	0.5	0.1	240	64
Ethylbenzene	0.5	0.1	69	16
Xylenes, Total	1	0.2	200	46
Total Volatile Hydrocarbons:				
C1 - C5	10	5	15,000	3,700
C6 - C12	20	5	9,600	2,300
TPH as Gasoline*	20	5	9,600	2,300

* TPH as gasoline is defined as C6 (benzene) through C12 (dodecane) and uses a molecular weight of 100 to calculate the ppmv.

APPENDIX B

Soil Analytical Data from Previous Consultant

**REPORT OF PHASE II SITE
CHARACTERIZATION
Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California**

CWEC 20596-001-01

Prepared for:

Ms. Naomi English
1545 Scenic View Drive
San Leandro, California 94577

Prepared by:

Century West Engineering Corporation
7950 Dublin Boulevard, Suite 203
Dublin, California 94568

August 30, 1996

Table 1
Summary of Soil Sampling Analytical Results
Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California
August 1996

Soil Sample ID	Sampling Date	Sample Depth (feet bgs)	Chemical Concentrations (mg/kg)				
			TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
Analytical Laboratory Method Detection Limit			1	0.005	0.005	0.005	0.005
G-2-10	6/24/96	10'	ND	ND	ND	ND	ND
G-2-15	6/24/96	15'	ND	0.006	0.009	ND	0.025
G-3B-10	6/24/96	10'	ND	ND	ND	ND	ND
G-3B-14.5	6/24/96	14.5'	1.5	0.14	0.012	0.052	0.18
G-4-10	6/24/96	10'	ND	ND	ND	ND	ND
G-5-7	6/24/96	7'	ND	ND	ND	ND	ND
G-5-12	6/24/96	12'	ND	ND	ND	ND	ND
G-6-10	6/24/96	10'	ND	ND	ND	ND	ND
G-7B-5	6/24/96	5'	ND	ND	ND	ND	ND
G-7B-10	6/24/96	10'	ND	ND	ND	ND	ND
G-8-10	6/24/96	10'	ND	ND	ND	ND	ND
G-9-11.5	6/24/96	11.5'	98	0.079	0.064	1.3	4.2
G-9-12.5	6/24/96	12.5'	860	3.1	11	14	97
Analytical Laboratory Method Detection Limit			1	0.0025	0.0025	0.0025	0.0025
MW-4-10	6/26/96	10'	ND	ND	ND	ND	ND
MW-5-10	6/26/96	10'	ND	ND	ND	ND	ND
MW-5-15	6/26/96	15'	ND	0.049	0.094	0.022	0.13
MW-6-10	6/26/96	10'	ND	ND	ND	ND	ND

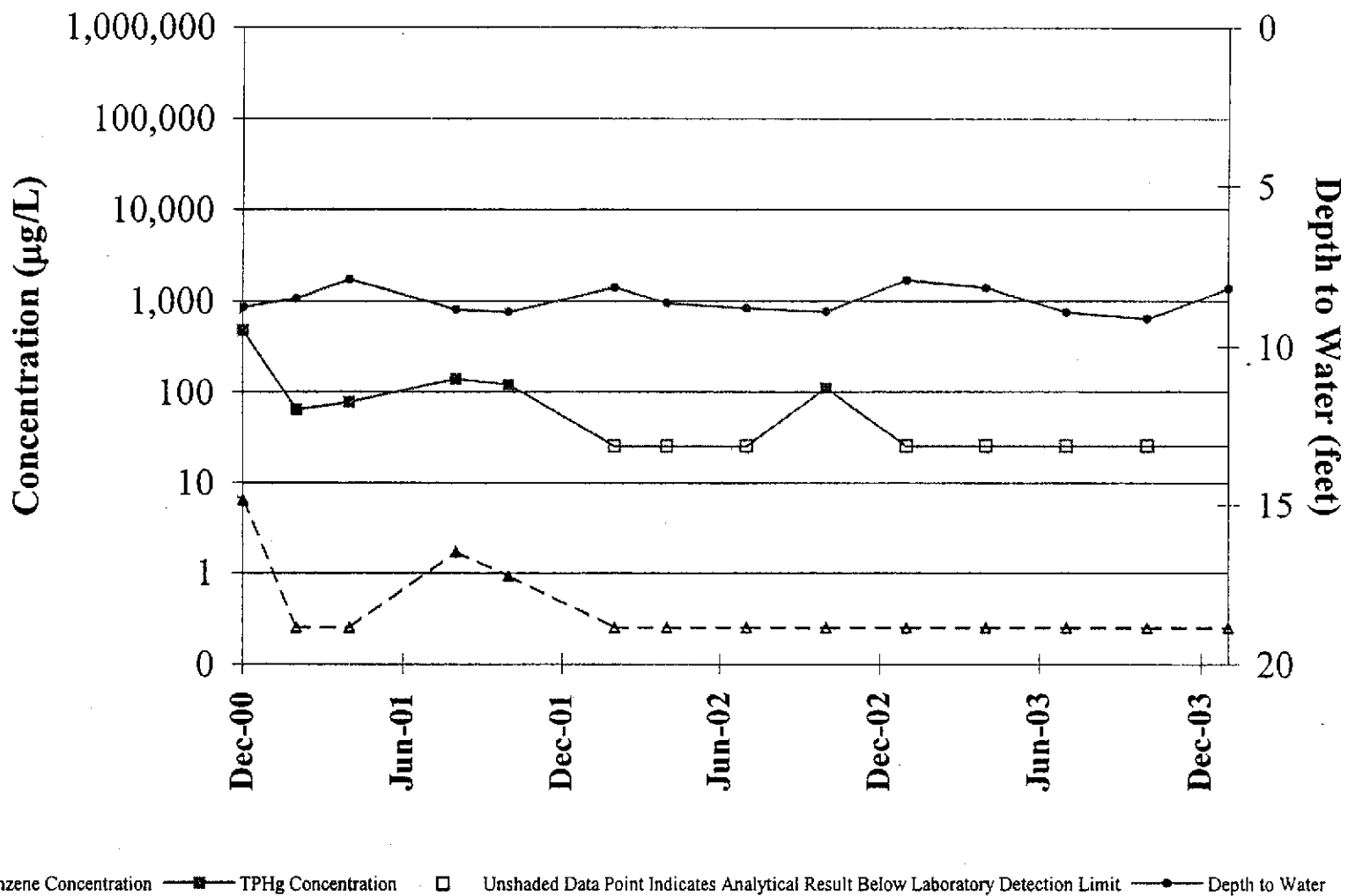
NOTES

- feet bgs feet below ground surface
- TPH-G total petroleum hydrocarbons quantified as Gasoline
- mg/kg milligrams per kilogram
- ND not detected above laboratory method detection limit
- NA not analyzed or not available

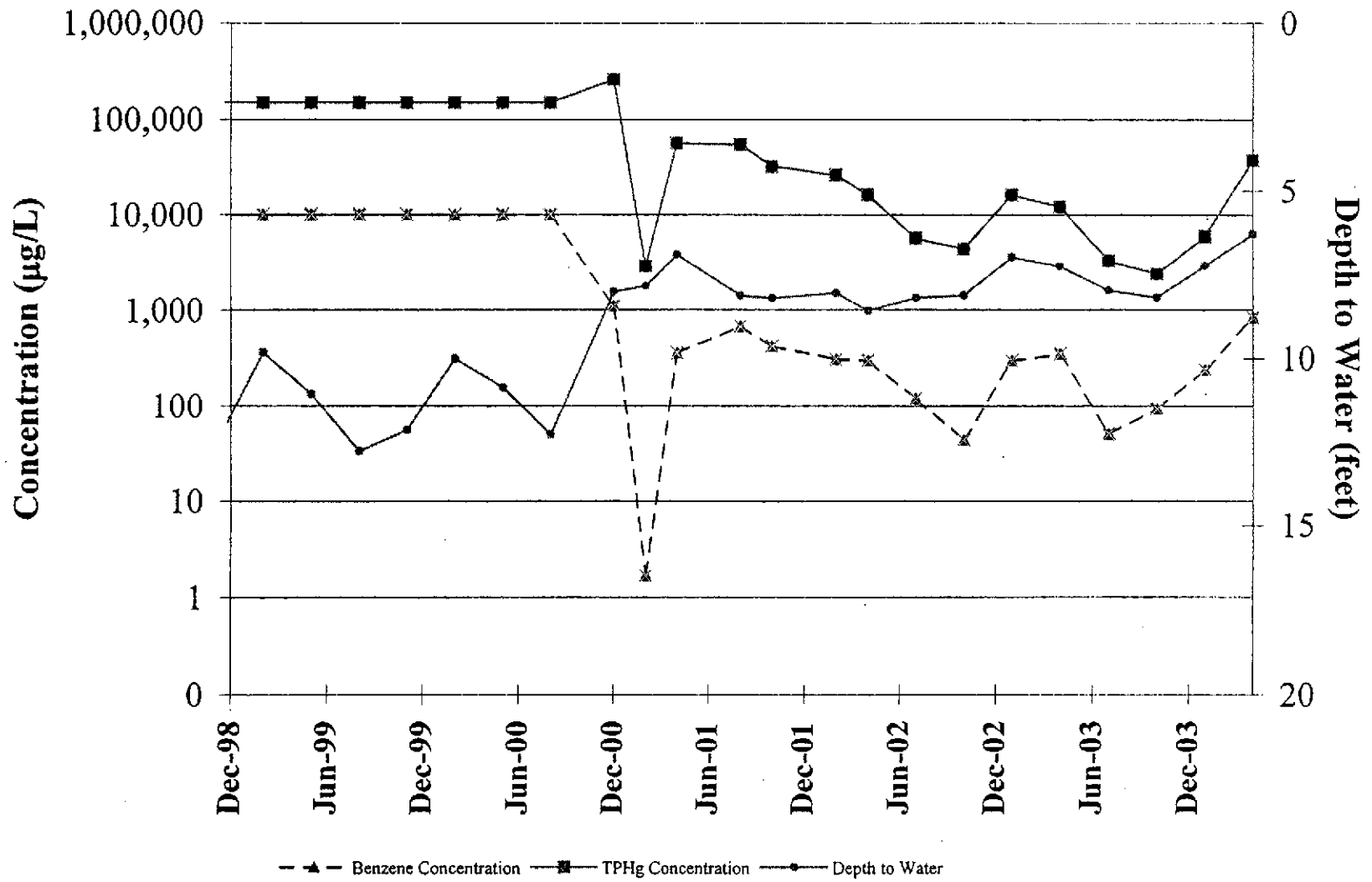
APPENDIX C

Hydrocarbon Concentration Graphs

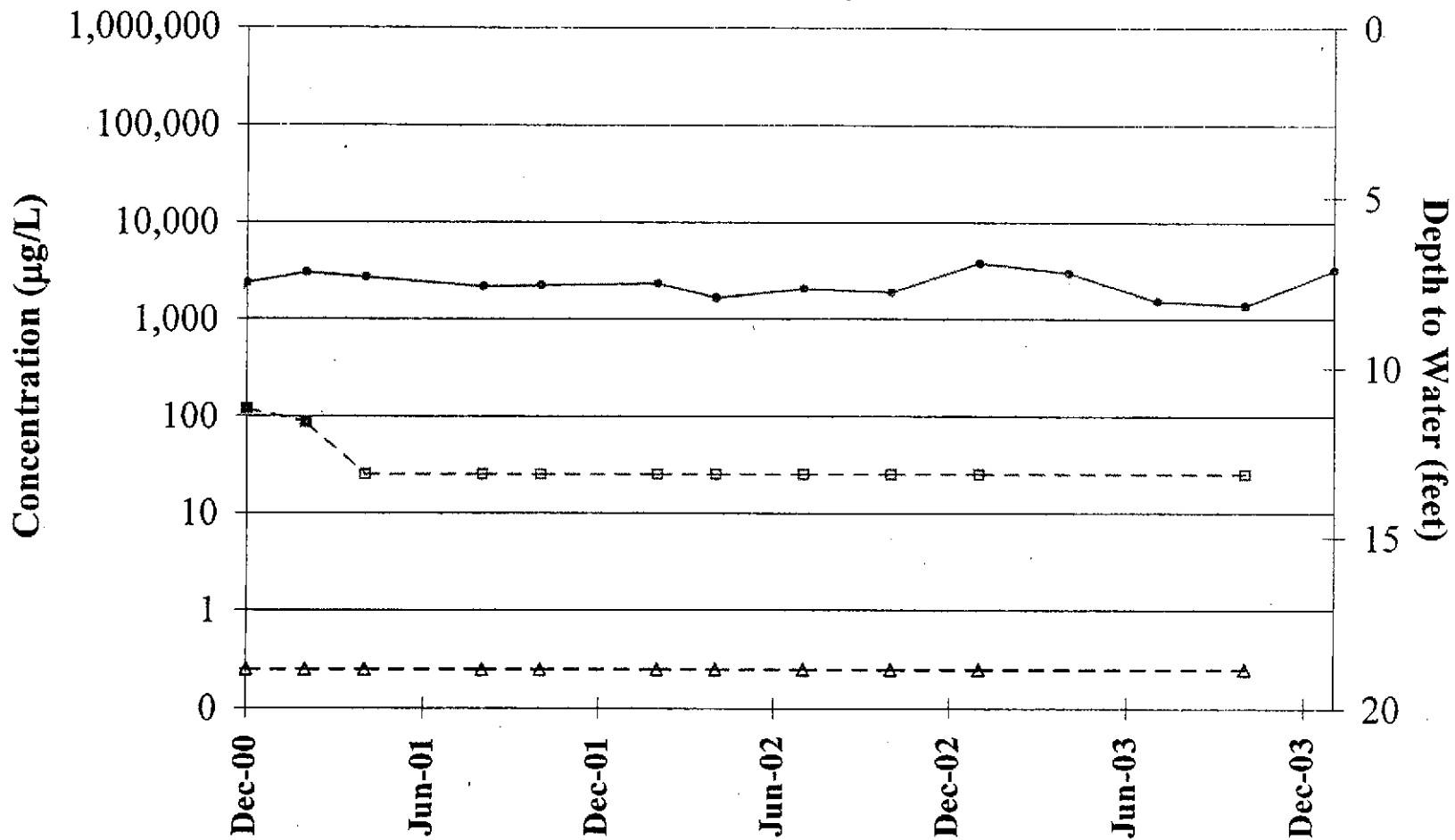
TPHg and Benzene Concentration Trend Well MW-1



TPHg and Benzene Concentration Trend Well MW-2



TPHg and Benzene Concentration Trend Well MW-3



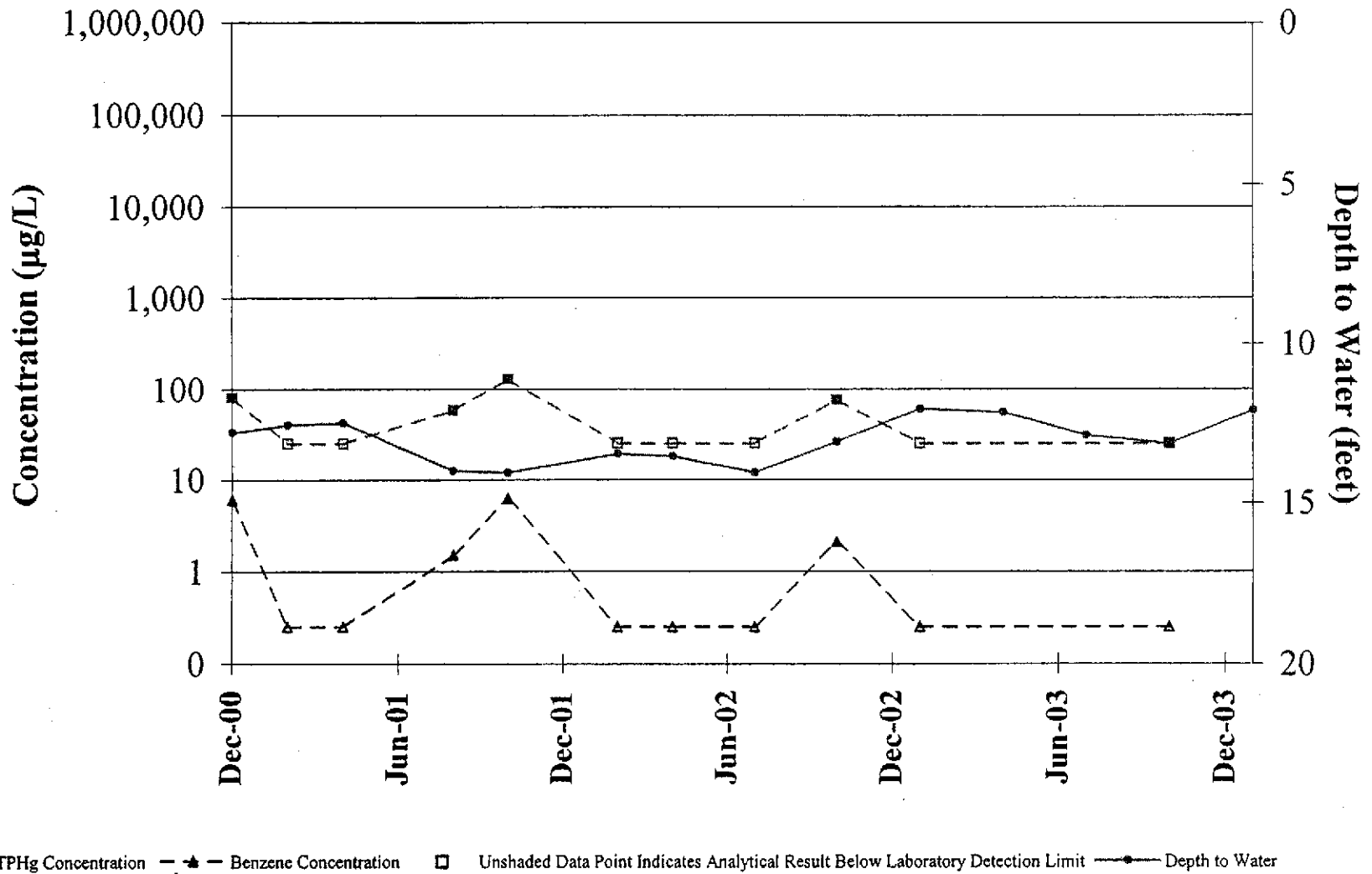
TPHg Concentration

 Benzene Concentration

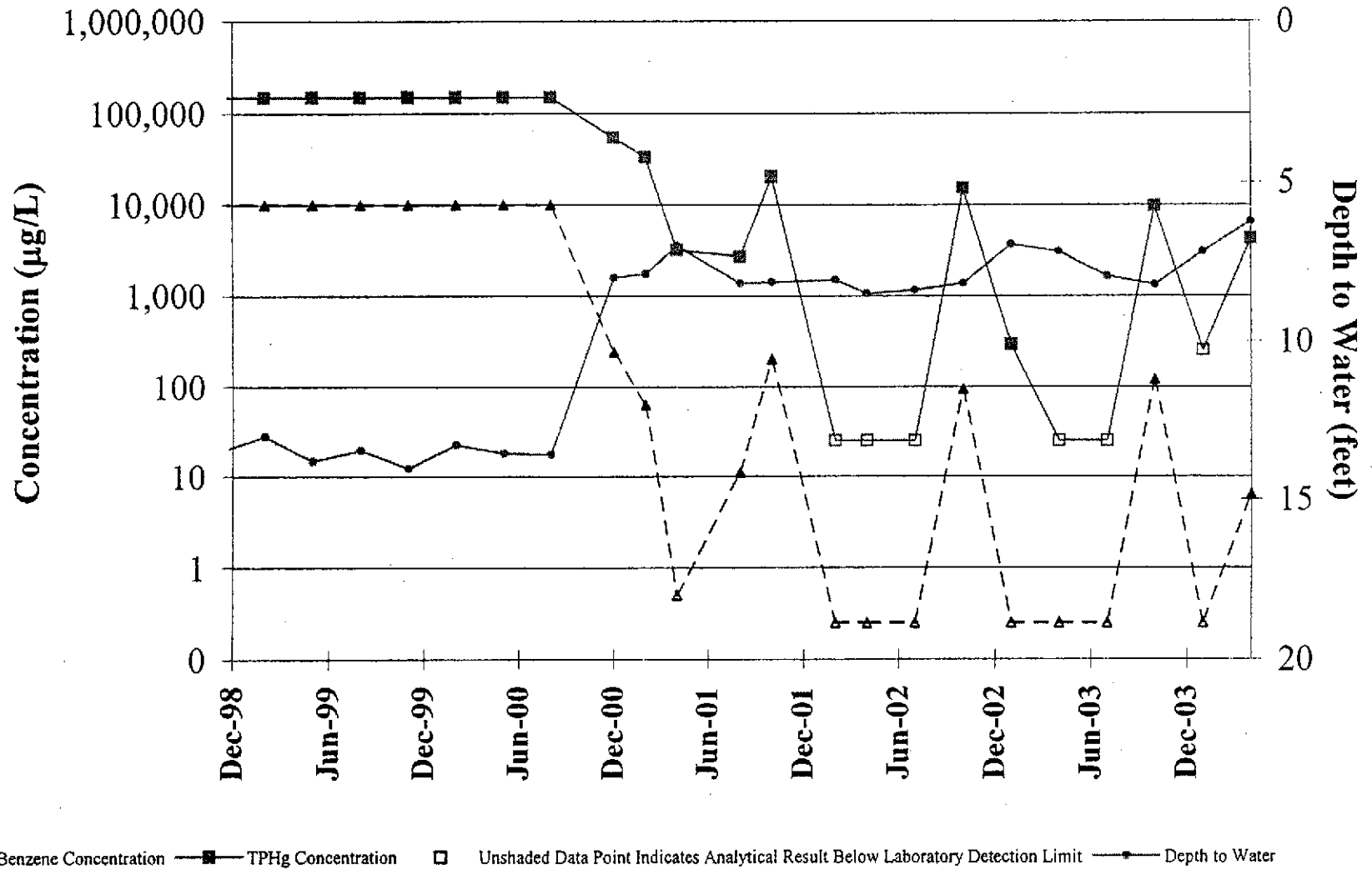
 Unshaded Data Point Indicates Analytical Result Below Laboratory Detection Limit

 Depth to Water

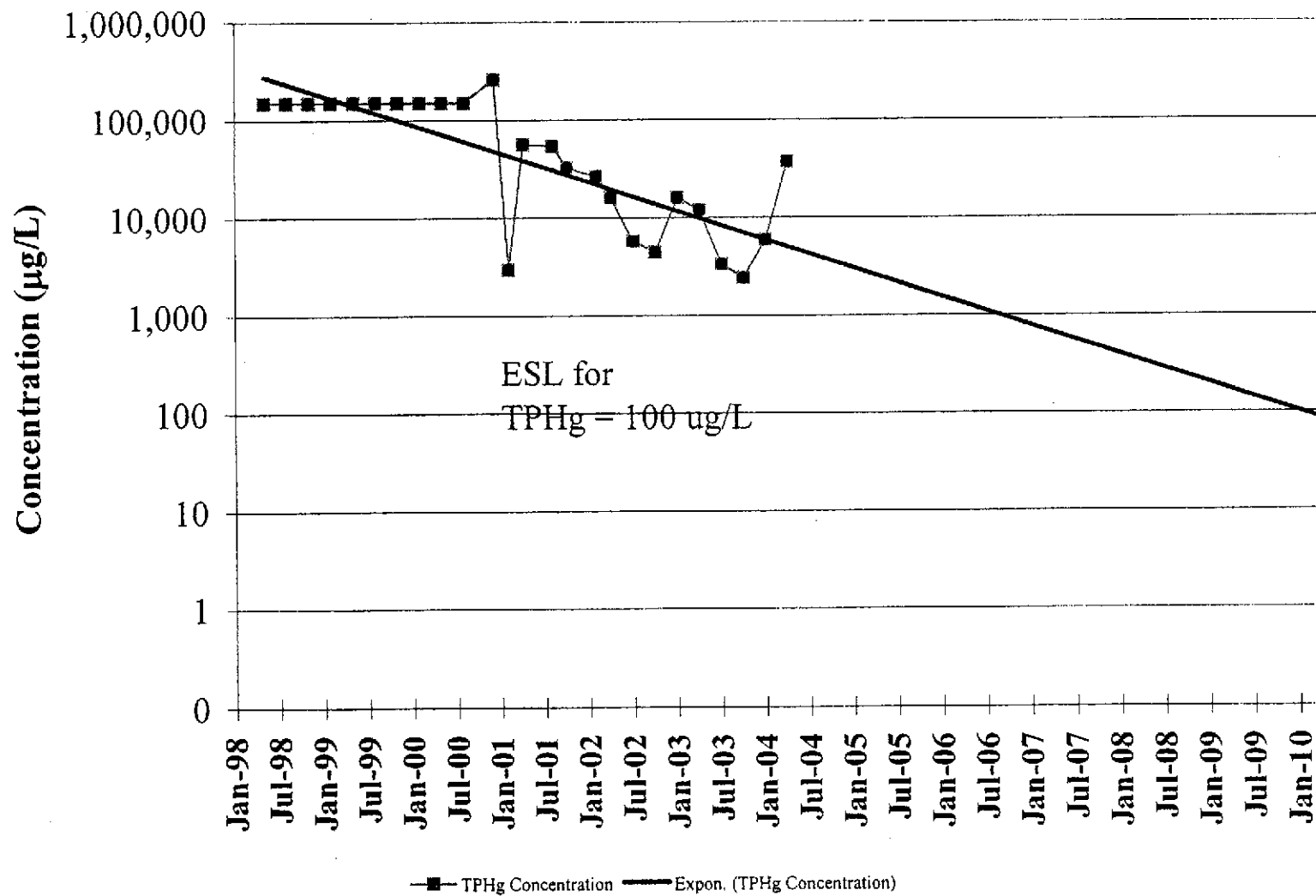
TPHg and Benzene Concentration Trend Well MW-4



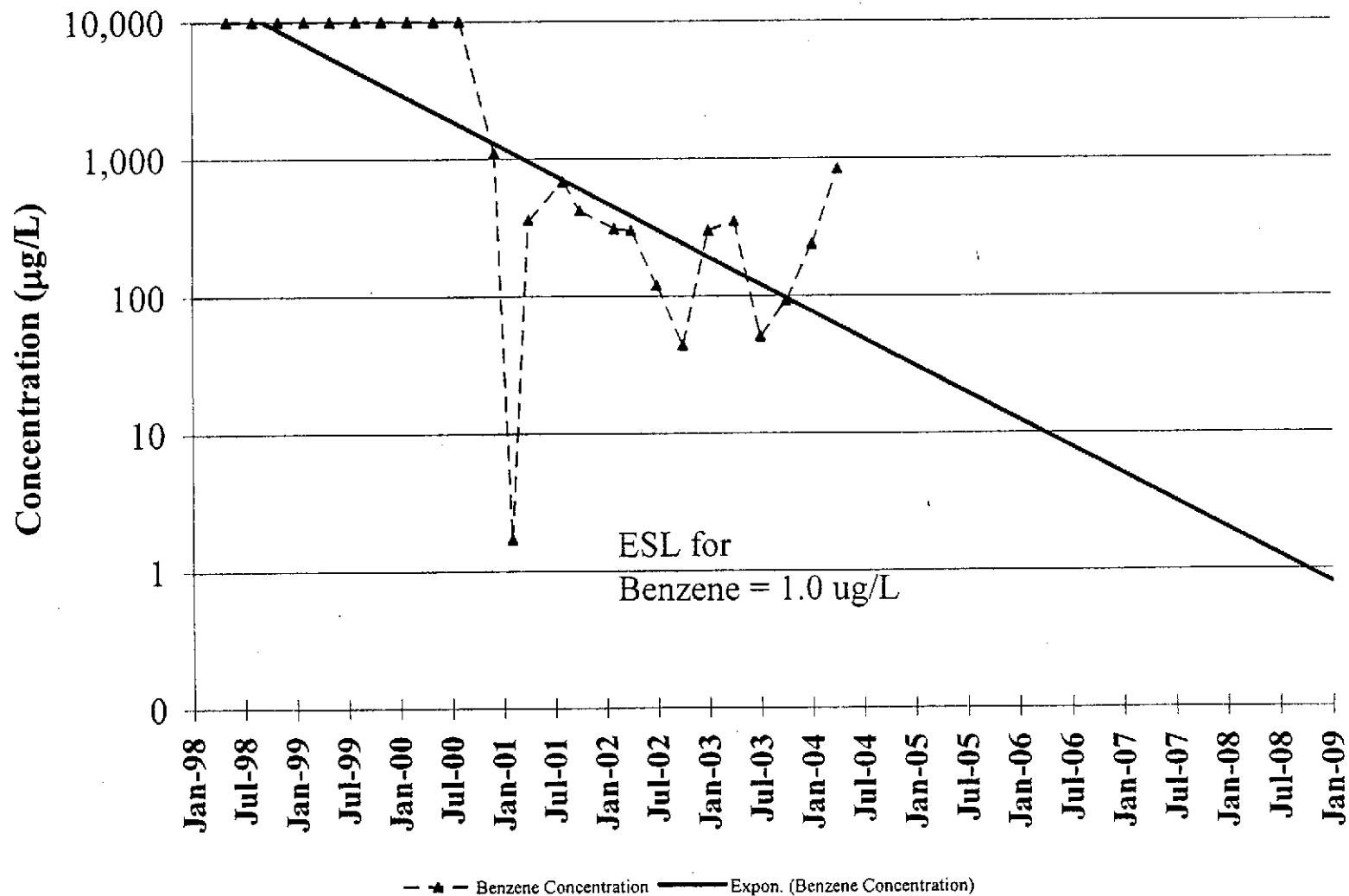
TPHg and Benzene Concentration Trend Well MW-5



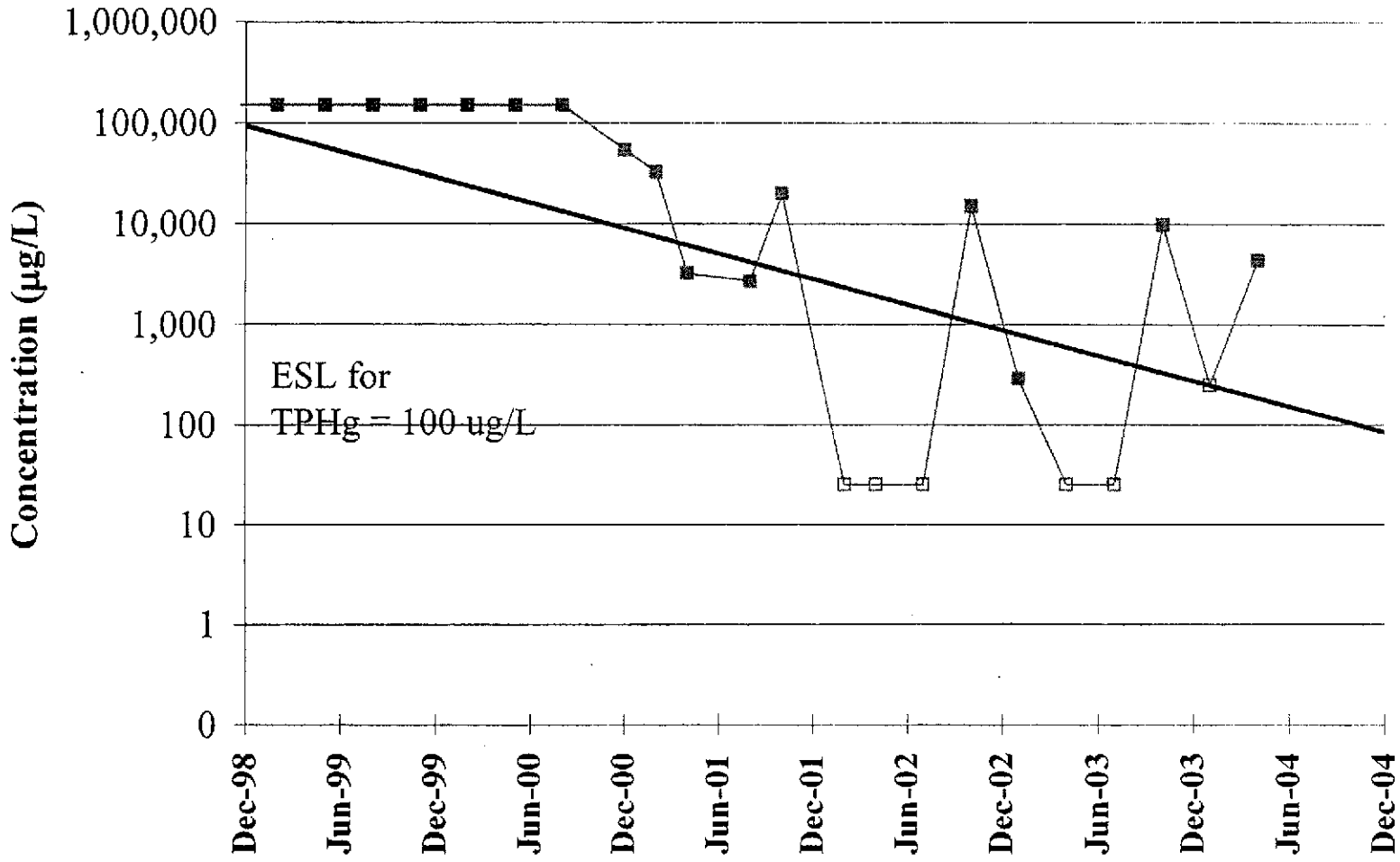
TPHg Concentration Trend Well MW-2



Benzene Concentration Trend Well MW-2



TPHg Concentration Trend Well MW-5

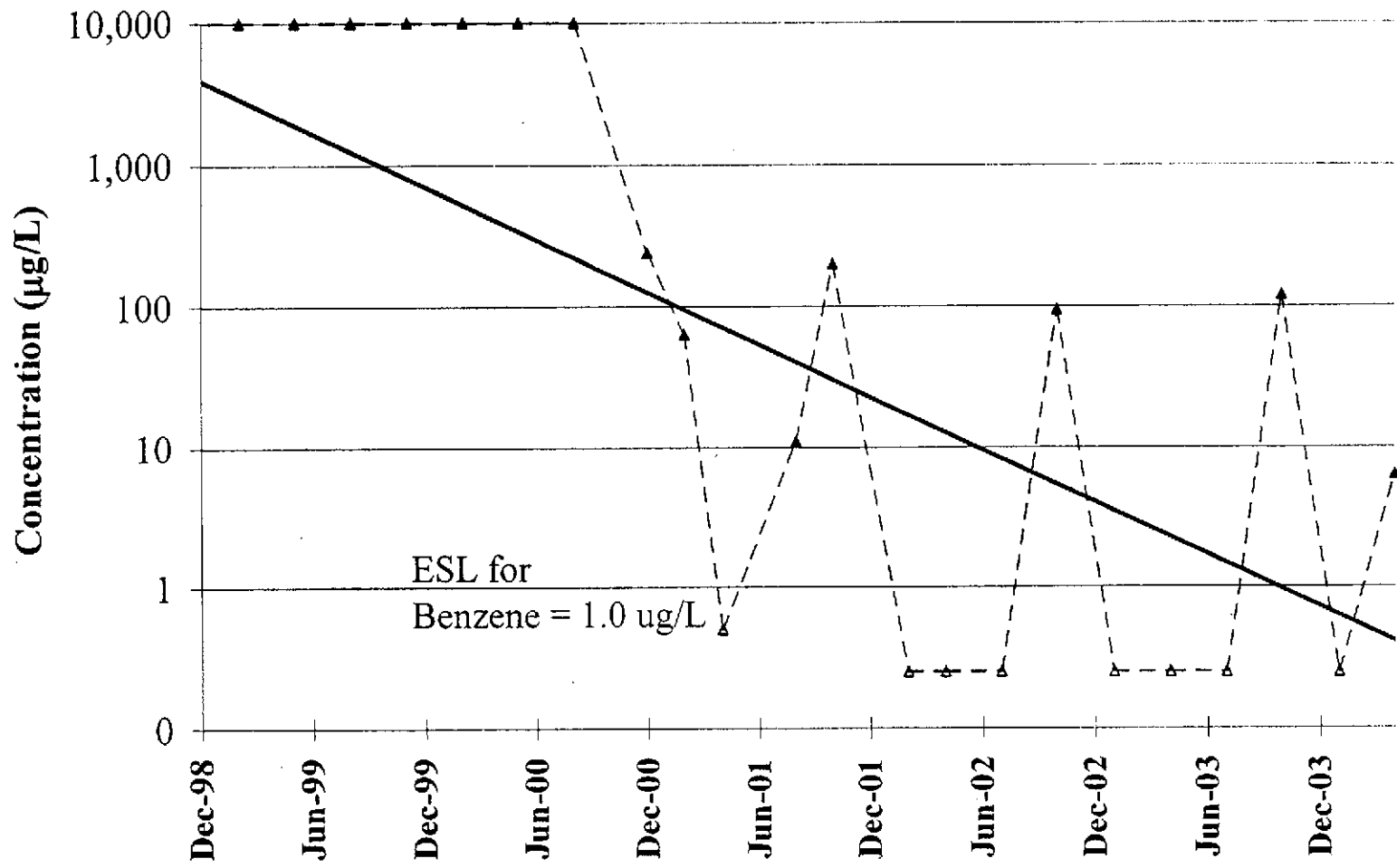


TPHg Concentration

 Unshaded Data Point Indicates Analytical Result Below Laboratory Detection Limit

 Expon. (TPHg Concentration)

Benzene Concentration Trend Well MW-5



Benzene Concentration

 Unshaded Data Point Indicates Analytical Result Below Laboratory Detection Limit

 Expon. (Benzene Concentration)

APPENDIX D

Well Survey Questionnaires

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 3507 Glen Park Apartments
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

Aptm Apartment building, no response
no wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 3515 ~~Sten~~ 14th Avenue

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

Apt on property w/ 3519 + 3521

No response, no wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board -- San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 3519 14th Avenue

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

No response, no wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 3521 14th Avenue

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

No wells observed, no response

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: _____
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: 3527 14th Avenue
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

Was home left a questionnaire with resident.
no wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 3524 14th Avenue

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

Says only well she knows of is further North under an apt building
fyi: that is she pointed north: but no apt building was observed
where she pointed.

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 3518 14th Avenue
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

No response, no wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 3500 14th Avenue

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

Apartment building, no respondents, no wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 1512 MacArthur Blvd

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES

UNKNOWN

NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES

UNKNOWN

NO

Comments:

Resident said none that she knows of

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 1514 MacArthur Blvd

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES

UNKNOWN

NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES

UNKNOWN

NO

Comments:

Home: ~~No response~~. No wells observed, responded that he doesn't know of any.

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 1518 Ma Arthur Blvd

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

Residence. No response. No wells observed.

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1526 MacArthur Blvd
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES

UNKNOWN

NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES

UNKNOWN

NO

Comments:

Residence. Didn't know of any wells

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 1521 MacArthur

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:
Abandoned. No wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1519 MacArthur Blvd
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

Abandoned. No Wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1517 MacArthur Blvd
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:
Apt Building. No respondents. No wells observed.

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: JAMAA - TUS - SALAAM - COMMUNITY OF PEACE
ADDRESS: 1515 MacArthur Blvd.
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:
NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:
No response. No wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: Shine on Studio
ADDRESS: 1511 Mac Arthur Blvd.
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

No response. No wells observed.

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1505 Mac Arthur Blvd.
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN **NO**

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN **NO**

Comments:
No wells on property

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1501 MacArthur Blvd
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

No response, no wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 3408 14th Avenue
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:
Residence. Didn't know of any.

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1483 Mac Arthur Blvd.
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

Abandoned. No wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1475 MacArthur Blvd.
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

No response No wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1473 MacArthur Blvd
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

No response. No wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: Molly Maids
ADDRESS: 1471 MacArthur Blvd
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

Didn't know of any

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1469 MacArthur Blvd
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

No response. No wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 1467 MacArthur Blvd

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

No response. No wells observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1465 MacArthur Blvd
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

CAMBRIA

April 8, 2004

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 3507 Brighton Ave
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

Apt Building, no response, no wells observed

CAMBRIA

April 8, 2004

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 3515 Brighton Ave
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:

Under construction. no wells observed

CAMBRIA

April 8, 2004

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 3508 Brighton Ave

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES

UNKNOWN

NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES

UNKNOWN

NO

Comments:

No response. No wells observed. Tenant said No.

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

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Matthew A. Meyers
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1468 Mac Arthur Blvd.
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN **NO**

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN **NO**

Comments:

"No wells"

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1472 Mac Arthur Blvd
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES

UNKNOWN

NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES

UNKNOWN

NO

Comments:

CAMBRIA

April 8, 2004

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 1476 MacArthur Blvd

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES

UNKNOWN

NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES

UNKNOWN

NO

Comments:

Abandoned No wells observed.

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____

ADDRESS: 1474 Mac Arthur Blvd.

DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____

ADDRESS: _____

DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)

YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____

WELL DEPTH: _____ DATE OF INSTALLATION: _____

WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____

FREQUENCY OF USE: _____

SCREEN INTERVAL: _____ WELL WATER USE: _____

WELL OWNER: _____

WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)

YES UNKNOWN NO

Comments:

Abandoned - No wells Observed

CAMBRIA

April 8, 2004

Dear Property Lessor/Owner:

In cooperation with the California Regional Water Quality Control Board – San Francisco Bay Region, Cambria Environmental Technology is conducting a survey of all the wells (domestic/irrigation/cathodic/industrial) in your area to assess water usage. We would appreciate your assistance by taking a moment to call our office with the following information or filling out this questionnaire and mailing it to us in the addressed, stamped envelope provided.

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Emeryville, California 94608

Telephone (510) 420-3314
Facsimile (510) 420-9170

(1) TENANT NAME: _____
ADDRESS: 1478 Mac Arthur Blvd
DAY TIME PHONE: _____

(2) OWNER NAME: (if other than tenant) _____
ADDRESS: _____
DAY TIME PHONE: _____

(3) Are there any known domestic, irrigation or other types of wells on or near your property: (circle one)
YES UNKNOWN NO

If you answered "YES" to (3) above, please provided the following details:

NUMBER OF WELLS: _____ WELL DIAMETER: _____
WELL DEPTH: _____ DATE OF INSTALLATION: _____
WELL MATERIAL: (circle one) PVC plastic steel brick/clay other _____
FREQUENCY OF USE: _____
SCREEN INTERVAL: _____ WELL WATER USE: _____
WELL OWNER: _____
WELL ADDRESS: _____

(4) Are you aware of any abandoned wells on your property: (circle one)
YES UNKNOWN NO

Comments:
Abandoned. No wells observed

October 6, 2004

Mr. Don Hwang
Alameda County Health Care Services Agency
Department of Environmental Health
UST Local Oversight Program
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

FILE COPY

Re: **Clarifications Regarding Closure Request**
Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602
Cambria Project No. 129-0741



Dear Mr. Hwang:

Cambria Environmental Technology, Inc. (Cambria) is transmitting this letter to the Alameda County Health Care Services Agency, Department of Environmental Health (ACHCSA-DEH) to clarify our position regarding a request for closure for the subject site (Figures 1 and 2) that was transmitted to ACHCSA-DEH on July 21, 2004 (Cambria, 2004). It is Cambria's position that the site has been adequately characterized, chemical concentrations have decreased significantly since remediation was implemented and the hydrogeologic materials through which groundwater flows is an impediment to substantial chemical migration. Therefore, at a minimum, the groundwater monitoring schedule should be reduced, and the site should be considered a candidate for closure. We will discuss points that support our position under sections entitled site characterization, decreasing chemical concentrations, hydrogeologic setting, groundwater monitoring schedule reduction and conclusions. The same points were discussed during a telephone conversation between Mr. Don Hwang of ACHCSA-DEH and Mr. Matt Meyers of Cambria on August 18, 2004.

SITE CHARACTERIZATION

It is our understanding that the ACHCSA-DEH is of the opinion that additional characterization is warranted at the site. We are of the opinion that the site has been adequately characterized over the last 11 years and additional characterization is not warranted. The following discussion supports our position.

**Cambria
Environmental
Technology, Inc.**

Since 1993, a total of 12 soil borings have been advanced and 6 monitoring wells have been installed. The maximum depth investigated has been 20 feet below ground surface (ft bgs).

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

1993 Site Assessment Activities: In 1993, three groundwater monitoring wells (MW-1, MW-2 and MW-3) were installed at the site. Soil and groundwater samples collected during the assessment activities indicated that the site was impacted by petroleum hydrocarbons that may have leaked from the former underground storage tanks (USTs).


1996 Soil Borings: In June 1996, 12 soil borings were advanced to characterize the perimeter and center of the site (Figure 2). During soil boring advancement, 13 soil samples were collected at depths ranging from 5 to 14.5 ft bgs. Total petroleum hydrocarbons as gasoline (TPHg) was detected in 4 of the 13 samples collected and analyzed. TPHg [860 milligrams per kilogram (mg/kg)] was detected in only one of these samples, G-9-12.5, at a concentration at or in excess of its current environmental screening level (ESL) of 100 mg/kg for residential land use where groundwater is a current or potential source of drinking water [California Regional Water Quality Control Board – San Francisco Bay Region (RWQCB-SFBR), 2003]. This sample was collected in the area of the former underground storage tanks (USTs). Of the remaining 12 samples, only one contained TPHg at a concentration in excess of 1.5 mg/kg. TPHg was not detected in 10 of these samples.

Benzene was detected in three of the 13 samples collected and analyzed at concentrations at or in excess of its ESL of 0.044 mg/kg for residential land use where groundwater is a current or potential source of drinking water (RWQCB-SFBR, 2003). Benzene was detected in only one sample, GB-9-12.5, at a concentration at or in excess of its ESL for industrial/commercial land use where groundwater is not considered a current or potential drinking water source. The highest concentration detected was 3.1 mg/kg in G-9-12.5, the same sample in which the highest TPHg concentration was detected, near the former USTs.

With the exception of GB-3-14.5 and GB-9-11.5, none of the other soil samples collected contained TPHg and/or benzene at concentrations at or in excess of their ESLs for residential land use where groundwater is considered a current or potential drinking water source. In 9 of the remaining 10 samples, benzene was not detected at or in excess of its reporting limit.

1996 Monitoring Well Installations: Soil samples were collected during the installation of monitoring wells MW-4, MW-5 and MW-6. TPHg was not detected in any sample collected and benzene was detected at a concentration of 0.049 mg/kg in only one sample (MW-5-15). MW-5 is located at the northern end of the former UST area.

While the benzene concentration detected is above the ESL for residential sites where groundwater is a current or potential source of drinking water, it is not above the commercial/industrial ESL where groundwater is not considered a current or potential drinking water source.



Groundwater Monitoring Data: A total of 174 groundwater samples have been collected during 31 monitoring events over the past 11 years. The groundwater data collected from these samples indicates that the plume is characterized by wells MW-1, MW-2 and MW-5. Wells MW-3, MW-4 and MW-6 and soil borings GB-4 and GB-7 characterize the upgradient, crossgradient and downgradient extents of the plume. TPHg and benzene have not been detected in MW-3 since February 2001; however, methyl tertiary-butyl ether (MTBE) has been detected at an average concentration of approximately 12 micrograms per liter ($\mu\text{g/L}$), which is below its primary maximum contaminant level (MCL) of 13 $\mu\text{g/L}$ [Title 22, California Code of Regulations (CCR), Section 64444, Table 64444-A]. While TPHg and benzene have been detected in well MW-4 at maximum concentrations of 130 and 6.3 $\mu\text{g/L}$ (October 2001), the average concentrations of these chemicals since February 2001 are calculated at 44 and 1.2 $\mu\text{g/L}$, respectively. In addition, during the last six monitoring events, TPHg and benzene have been detected only once, in October 2002. TPHg and/or benzene have not been detected in well MW-6, which monitors the southeastern lateral edge of the plume, since May 1999. GB-4 and GB-7, which are located crossgradient (northwestern) and upgradient (northeastern), did not contain detectable concentrations of TPHg and/or benzene when they were sampled in June 1996.

MTBE has not been detected consistently in the wells over the last few years of monitoring. Only in well MW-3 (the upgradient well) has MTBE been regularly detected over the past few years. It has not been detected in well MW-1 since October 2001. It has never been detected in wells MW-2 or MW-5. It has been detected in wells MW-4 and MW-6 only once (January 2003) since 1996 and the results appear to be anomalous and are most likely the result of cross-contamination.

DECREASING CHEMICAL CONCENTRATIONS

Site remediation activities included the removal of three USTs from the site in October 1990 and installation and operation of a soil vapor extraction (SVE) and air sparging (AS) system. A confirmation soil sampling program followed removal of the USTs; however, no soil sampling data has been discovered to date to document the removal of impacted materials from the excavation. A total of 16.5 pounds of petroleum hydrocarbons was removed during operation of the SVE/AS system during its 8 months of operation (September 2000 through April 2001).

Prior to operation of the SVE/AS system, the average concentration of TPHg and benzene in MW-2, located in the center of the plume has decreased significantly. TPHg has decreased from an average concentration of approximately 160,000 µg/L between 1993 and 2000 to an average concentration of 18,000 µg/L between 2001 and 2004. Similarly, benzene has decreased from an average concentration of 11,000 µg/L between 1993 and 2000 to an average concentration of approximately 274 between 2001 and 2004. Thus, in the source area well the concentration of TPHg has decreased one order of magnitude and the concentration of benzene has decreased two orders of magnitude since the SVE/AS system operations were implemented.



In MW-1, located on the northwestern edge of the source area plume, the average concentrations of TPHg and benzene prior to the operation of the SVE/AS system (1993 to 2000) were approximately 1,353 µg/L and 106 µg/L, respectively. Between 2001 and 2004, the concentrations of TPH and benzene have decreased to approximately 58 µg/L and 0.4 µg/L, respectively. Both of these concentrations are below the ESLs for residential sites where groundwater is considered a current or potential drinking water source (RWQCB-SFBR, 2003). In addition, the average concentration of benzene is below its MCL (1 µg/L) (Title 22, CCR, Section 64444, Table 64444-A).

CHEMICAL MIGRATION AND THE HYDROGEOLOGIC SETTING

Groundwater flowed to the southwest during the most recent groundwater monitoring event, July 2004 (Cambria, 2004b). This is the direction that groundwater has flowed since monitoring began in 1993.

Since February 2001, the average concentrations of TPHg and benzene concentrations in MW-4, the well that monitors the leading (southwest) edge of the plume, are 44 and 1.2 µg/L, respectively. In addition, during the last six monitoring events, TPHg and benzene have been detected only once, in October 2002, and MTBE has been detected only once (January 2003 at 20 µg/L). The last time MW-4 was sampled (October 2003), none of these chemicals were detected.

The predominant soil materials encountered were clayey sands and sandy clays, which have been observed to a total explored depth of 20 ft bgs. The hydraulic conductivity of these materials has been calculated to be on the order of 1 to 2.6×10^{-5} centimeters per second (cm/s) [Century West Engineering Corporation (CWEC), 1996]. These clayey sand materials appear to have the thickness (12 ft) and hydraulic conductivity that would act as a barrier to vertical and horizontal fluid movement.

Empirical data indicates that groundwater flow and chemical migration is restricted due to the low hydraulic conductivity of the hydrogeologic materials. Thus, the plume is confined to the site and does not appear to be migrating offsite.


GROUNDWATER MONITORING PROGRAM REDUCTION

Thirty-one groundwater monitoring events have been conducted over the past 11 years. A total of 174 groundwater samples have been collected and analyzed during that period. The volume of data produced during this period is reasonable to assess trends in type, magnitude and direction of groundwater flow and chemical transport. Because these parameters have been discerned, it is justified to place the groundwater monitoring program on a reduced sampling schedule.

CONCLUSIONS

Based on the data and interpretations presented above, Cambria makes the following conclusions:

- Additional site characterization is not warranted. Soil contamination is confined to the immediate vicinity of the former USTs. No other soil samples contained TPHg or benzene at concentrations at or above their ESLs based on residential site use with groundwater being a current or potential source of drinking water.
- The soil samples that contained the highest concentrations of TPHg and benzene were collected from materials that were below the top of the water table and were saturated. The issue being that these materials are more representative of groundwater conditions and not soil conditions.
- Groundwater impacts are confined to the site. The low hydraulic conductivity of the soil materials through which groundwater flows and chemicals migrate is low enough to inhibit substantial migration of contaminants through the subsurface environment. Empirical data indicates that chemicals are not migrating offsite and that the primary impact to groundwater occurs in the immediate vicinity of the former USTs.
- Site remediation activities have resulted in significant decreases in chemical impacts to groundwater. TPHg and benzene concentrations have decreased by up to two orders of magnitude in the vicinity of the former USTs following operation of the SVE/AS system.

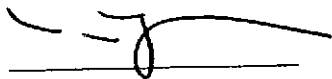
- 
- MTBE does not appear to be a significant impact to groundwater quality at the site. While it has been detected in the upgradient well (MW-3) over the last few years, it does not appear to be a chemical that has originated onsite or should be considered a chemical of concern at the site.
 - The groundwater monitoring schedule should be reduced because adequate data has been collected to assess chemical parameters and trends at the site. A semi-annual or annual monitoring schedule is more appropriate for a site at which groundwater impacts are confined to the site and chemical impacts are decreasing.
 - The site should be considered a candidate for closure. TPHg and benzene concentrations are decreasing significantly, chemicals are confined to the site and the chemicals benzene and MTBE do not appear to impose a significant threat to human health and the environment.

CLOSING

Thank you for your considering this closure request. If you have any questions or comments regarding this site, please call Matthew Meyers at (510) 420-3314.

Sincerely,

Cambria Environmental Technology, Inc.



Matthew A. Meyers
Senior Staff Geologist



Neal Siler, R.G., R.E.A.
Senior Project Geologist

cc: Ms. Naomi Gatzke, 1545 Scenic View Drive, San Leandro, California 94577

H:\Gatzke (Hooshi's)\Closure Request\Closure Request Clarifications Oct 2004.doc

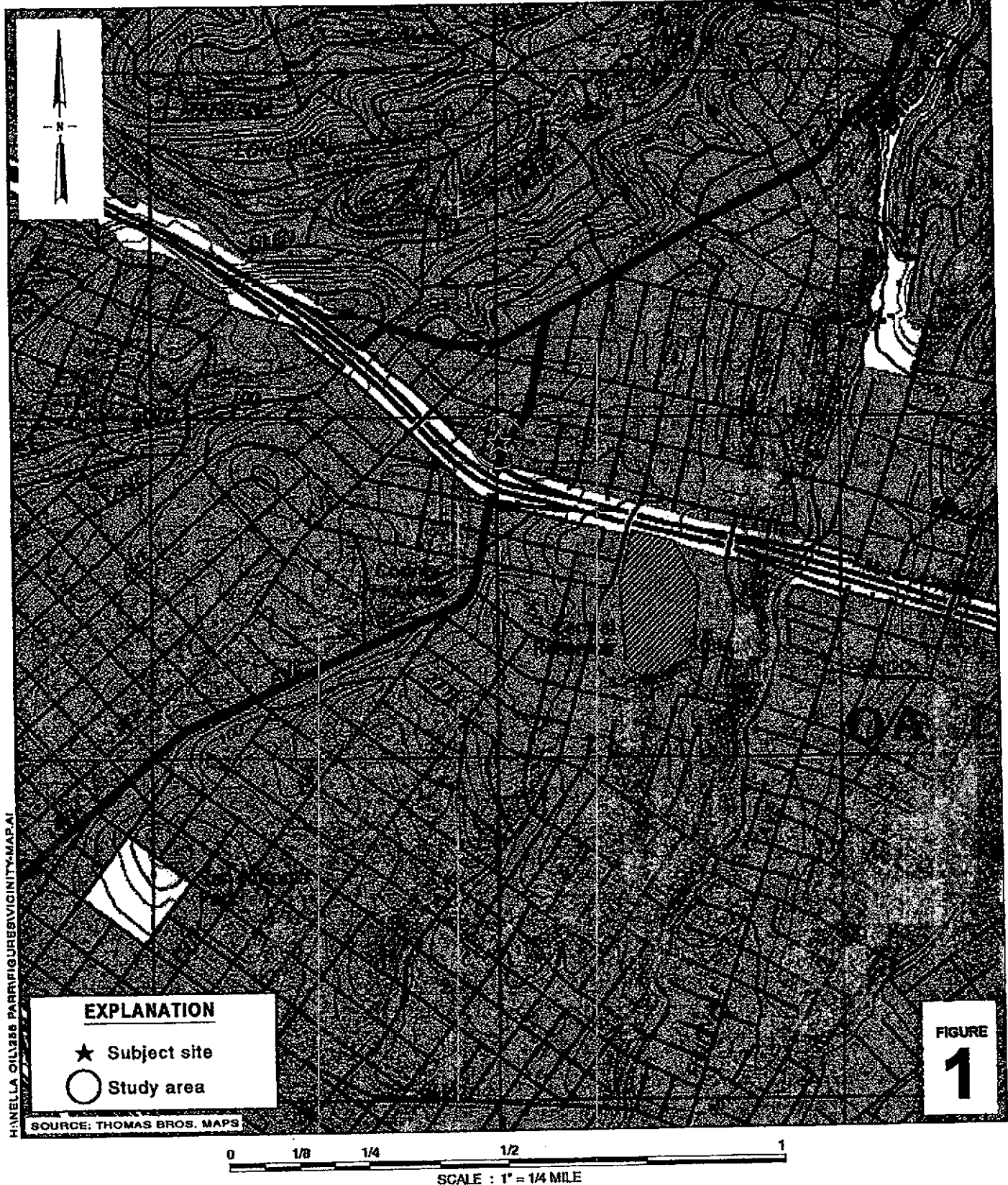
REFERENCES

California Code of Regulations, Title 22, Section 64444, Table 64444-A

California Regional Water Quality Control Board – San Francisco Bay Region, 2003, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater: Volumes 1 and 2 (Interim Final)*. July



Century West Engineering Corporation, 1996, *Report of Phase II Site Characterization*. August 3.



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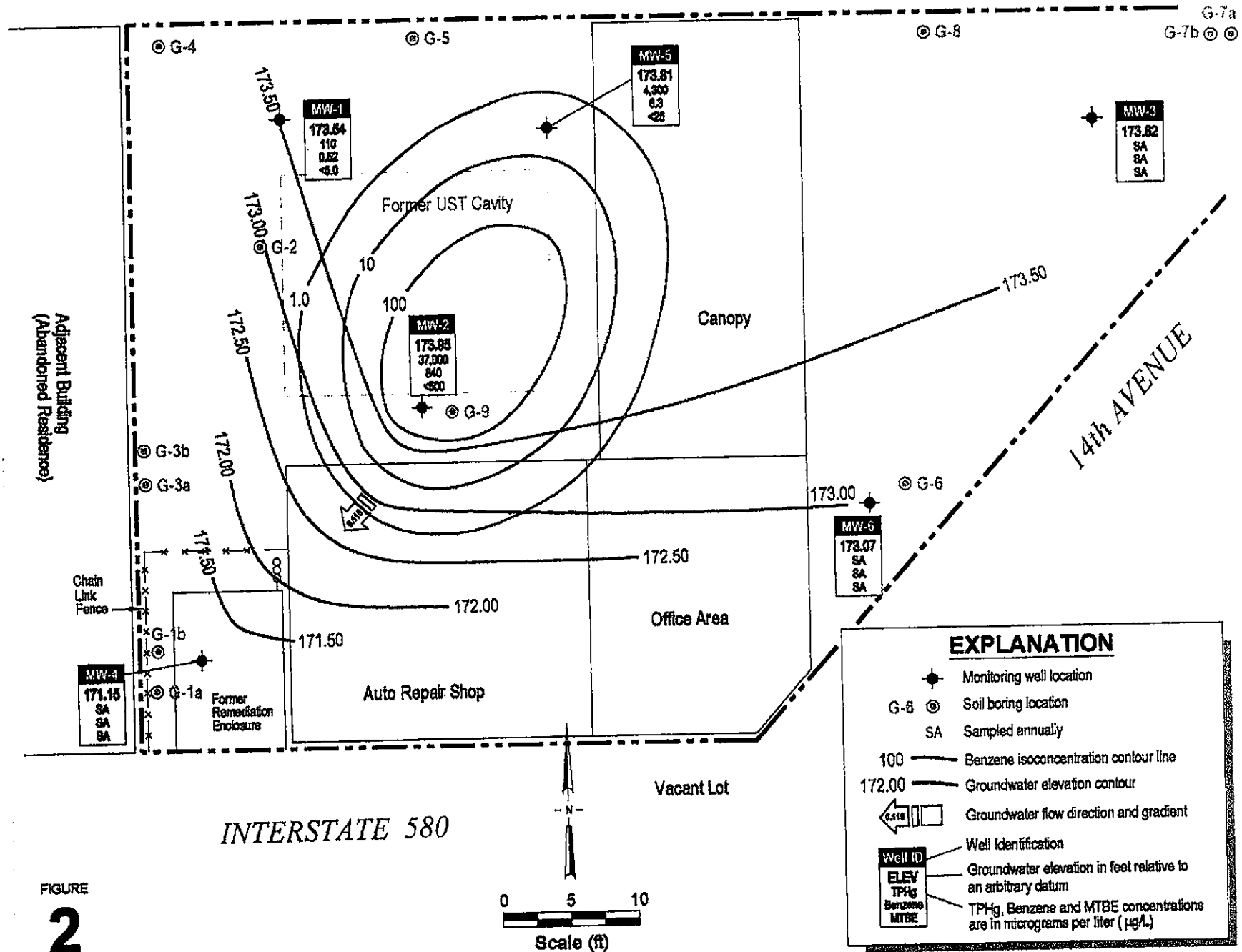
Hooshii's Auto Service
 1499 MacArthur Boulevard
 Oakland, California



C A M B R I A

Vicinity Map
 250 Foot Radius

MAC ARTHUR BLVD.



FIGURE

2

Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California

C A M B R I A



**Groundwater Elevation Contour
and Hydrocarbon Concentration Map**

April 2, 2004