



February 8, 2006

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By loprojectop at 4:48 pm, Feb 09, 2006

Mr. Jerry Wickham
Alameda Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Quarterly Groundwater Monitoring Report
First Quarter, 2006**
807 75th Street
Oakland, CA 94621
AEI Project No. 115483

Dear Mr. Wickham:

Enclosed is a copy of the latest quarterly groundwater monitoring report prepared for the subject site.

If you have any questions or comments, please don't hesitate to contact me or Robert Flory at (925) 283-6000.

Sincerely,
AEI Consultants

A handwritten signature in blue ink, appearing to read 'Ricky Bradford'.

Ricky Bradford
Senior Staff Engineer

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February 8, 2006

**GROUNDWATER MONITORING REPORT
First Quarter, 2006**

807 75th Avenue
Oakland, California

AEI Project No. 115483

Prepared For

Mr. Allan Kanady
Omega Termite
807 75th Avenue
Oakland, CA 95621

Prepared By

AEI Consultants
2500 Camino Diablo Blvd., Suite 200
Walnut Creek, CA 94597
(925) 283-6000



February 8, 2006

Mr. Allan Kanady
Omega Termite
807 75th Avenue
Oakland, CA 95621

**Subject: Quarterly Groundwater Monitoring Report
First Quarter, 2006**
807 75th Avenue
Oakland, California
Project No. 115483

Dear Mr. Kanady:

AEI Consultants (AEI) has prepared this report to document the results of the First Quarter, 2006 groundwater monitoring event at the above referenced site (Figure 1: Site Location Map). This groundwater investigation has been performed in accordance with the requirements of the Alameda County Health Care Services Agency (ACHCSA). The purpose of this activity is to monitor groundwater quality near the location of previously removed underground storage tanks (USTs) at the site.

Site Description and Background

The site is located in an industrial area of the City of Oakland, on the northern corner of the intersection of 75th Avenue and Snell Street, just east of San Leandro Street. The property is approximately 10,000 square feet in size and currently developed with two buildings, occupied by Omega Termite.

On September 15, 1996, AEI removed three (3) gasoline USTs from the subject property. The tanks consisted of one 8,000-gallon UST, one 1,000-gallon UST, and one 500-gallon UST. The former locations of the tanks are shown on Figure 2. Soil and groundwater samples collected during the tank removal activities revealed that a release had occurred from the tank system. Total petroleum hydrocarbons as gasoline (TPH-g), benzene, and methyl tertiary butyl ether (MTBE) were detected in the soil samples at concentrations up to 4,300 mg/kg, 13 mg/kg, and 25 mg/kg, respectively.

In October 1997, soil and groundwater samples were collected from six (6) soil borings (BH-1 through BH-6). In June 1999, four (4) groundwater monitoring wells (MW-1 through MW-4) were also installed by AEI. The construction details for the groundwater monitoring wells on site are summarized in Table 1. Monitoring well locations are shown on Figure 2. Historical groundwater elevation and historical groundwater sample analytical data are presented in Tables 2 and 3.

Under the direction of the ACHCSA, additional soil was removed from the excavation in March 2000. The excavation was extended to 29 by 48 feet in size and 8 feet deep at the east end of the excavation and 11.5 at the west end. During the excavation activities, an additional 500-gallon UST was discovered at the eastern end of the excavation. This tank was removed under the direction of Oakland Fire Services Agency (OFSA). Six additional soil samples were collected from the sidewalls and bottom of the excavation.

The resulting excavation was then backfilled with pea gravel to bridge the water table, with the remainder of the excavation being filled with the previously aerated soil and later with imported fill. The newly excavated soil was stockpiled on the northern portion of the property. A total of 7,400 gallons of hydrocarbon-impacted groundwater were pumped from the excavation, treated on-site, and discharged to the sanitary sewer system under an East Bay Municipal Utility District permit.

AEI carried out a site characterization on October 9 and 10, 2003, to address ACHCSA's requests for additional delineation of the vertical and lateral extents of impacted soil and groundwater. Seven temporary Geoprobe® boreholes (SB-7 through SB-13) were advanced to depths ranging from 15 to 20 feet bgs. One borehole, SB-14 was advanced to a depth of 30 feet bgs to determine if the second aquifer at the site had been impacted. Soil samples were collected in the vadose zone above the first aquifer and from the aquitard between the first and second aquifers. The results of chemical analyses of soil samples collected and analyzed during this investigation and earlier investigations appear to have effectively defined the limits of impacted soil in the vadose zone. Highly impacted soil appears to have been removed from the site except in the immediate vicinity of boring SB-14.

The analysis of the water sample from the second aquifer (Soil Boring SB-14, 28 feet bgs) reported TPH-g, TPH-d, MTBE and benzene at concentrations of 2,300 µg/L, 72,000 µg/L, 45 µg/L and 120 ug/L, respectively. Light non-aqueous phase liquid was observed on the sampler and in the water sample. The limits of hydrocarbon impact in this aquifer have not been identified.

Summary of Activities

AEI conducted quarterly groundwater monitoring of four monitoring wells (MW-1 through MW-4) and the backfill extraction well (TW-5) on January 11, 2006. Prior to measuring the depth to water, the well caps were removed and the water levels in each well were allowed to equilibrate with atmospheric pressure. The depth to groundwater (from the top of the well casings) for each well was measured with an electric water level indicator. The wells were then purged using a battery-powered submersible pump. Approximately three (3) well volumes were removed from each well. Temperature, pH, specific conductivity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) were measured and the groundwater turbidity was visually noted during the purging of the wells.

Following recovery of water levels to 90% of the original level, water samples were collected from each well. Groundwater samples were collected using new disposable bailers and placed into 40-milliliter (ml) Volatile Organic Analysis (VOA) vials and 1-liter amber bottles. The VOAs were capped so that no headspace or air bubbles were visible within the sample containers. Samples were transported in a cooler on ice under appropriate chain-of-custody protocol to McCampbell Analytical, Inc. of Pacheco, California (Department of Health Services Certification #1644).

Groundwater samples from the five (5) wells were analyzed for TPH-g, benzene, toluene, ethyl benzene, xylenes (BTEX), and MTBE by SW8021B/8015Cm. The groundwater samples were also analyzed for TPH-d (as diesel) and TPH-mo (as motor oil) by SW8015C.

Field Results

Groundwater levels ranged from 0.84 to 1.01 feet above mean sea level (amsl). These elevations are an average of 0.23 feet higher than the previous quarterly monitoring event. The groundwater hydraulic gradient is 0.047 ft/ft to the north.

Historically, the gradient directions have been highly variable and have been toward all quadrants of the compass. Contaminant concentrations in well MW-2, located to the north of the former UST hold, have shown an upward trend. This suggests that currently the net groundwater movement in the shallow aquifer is northward toward the creek channel, which runs along the northern border of the site.

Groundwater elevation data are summarized in Table 2. The groundwater elevation contours and the groundwater flow direction are shown in Figure 4. Refer to Appendix A for the Groundwater Monitoring Well Field Sampling Forms.

Groundwater Quality

TPH-g and benzene concentrations in monitoring well MW-1 decreased from 560 µg/L to 240 µg/L and from 190 µg/L to 93 µg/L, respectively. TPH-d and TPH-mo concentrations in MW-1 decreased to 270 µg/L and ND<250 µg/L, respectively.

The TPH-g concentration in well MW-2 increased slightly from 3,000 µg/L to 3,400 µg/L. TPH-d and TPH-mo decreased from 2,000 µg/L to 1,700 µg/L and from 270 µg/L to ND<250 µg/L, respectively. The benzene concentration increased from 8.4 µg/L to 18 µg/L.

TPH-g, TPH-d, TPH-mo, and BTEX concentrations increased slightly in well MW-3.

The TPH-g concentration decreased in well MW-4. TPH-d and BTEX concentrations increased slightly in well MW-4.

TPH-g, TPH-d, TPH-mo, and toluene concentrations decreased in well TW-5 to ND<50 µg/L, 680 µg/L, 550 µg/L, and ND<0.5 µg/L, respectively. Benzene, ethylbenzene and xylenes were non-detectable at the laboratory method detection limits.

A summary of groundwater analytical data is presented in Table 3. Laboratory results and chain of custody documents are included in Appendix B.

Conclusions and Recommendations

AEI recommends continued quarterly monitoring, with the next episode scheduled for April 2006. The installation of one additional shallow aquifer groundwater well and four deeper aquifer groundwater monitoring wells is currently scheduled for February 2006.

Report Limitations and Signatures

This report presents a summary of work completed by AEI Consultants, including observations and descriptions of site conditions. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide required information, but it cannot be assumed that they are entirely representative of all areas not sampled. All conclusions and recommendations are based on these analyses, observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

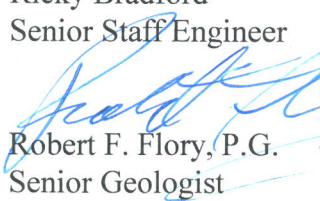
These services were performed in accordance with generally accepted practices in the environmental engineering and construction field that existed at the time and location of the work.

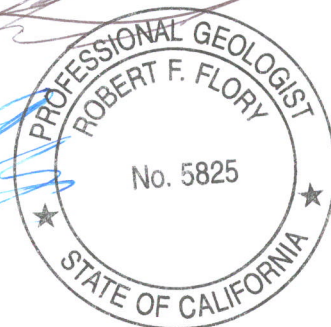
Please contact Robert F. Flory at (925) 944-2899 extension 122, if you have any questions regarding the findings and recommendations included in this report.

Please contact Robert F. Flory at (925) 944-2899 extension 122, if you have any questions regarding the findings and recommendations included in this report.

Sincerely,
AEI Consultants


Ricky Bradford
Senior Staff Engineer


Robert F. Flory, P.G.
Senior Geologist



References

1. Underground Storage Tank Removal Final Report, prepared by AEI – October 10, 1996
2. Phase II Soil and Groundwater Investigation Report, prepared by AEI – March 17, 1997
3. Workplan, prepared by AEI – May 21, 1999
4. Soil Boring and Groundwater Monitoring Well Installation Report, prepared by AEI-September 16, 1999
5. Quarterly Groundwater Monitoring and Sampling Report (QGWMSP), prepared by AEI-July 28, 2000.
6. QGWMSP, prepared by AEI-November 3, 2000.
7. QGWMSP, prepared by AEI-February 7, 2001.
8. QGWMSP, prepared by AEI-July 2, 2001.
9. QGWMSP, prepared by AEI-February 20, 2002.
10. QGWMSP, prepared by AEI-June 21, 2002.
11. QGWMSP, prepared by AEI-October 14, 2002.
12. QGWMSP, prepared by AEI-January 31, 2003.
13. Groundwater Monitoring Report, 13th Episode 2003, prepared by AEI-March 19, 2003.
14. Groundwater Monitoring Report, 14th Episode 2003, prepared by AEI-September 8, 2003.
15. Groundwater Monitoring Report, Fourth Quarter 2003, prepared by AEI-October 24, 2003.
16. Groundwater Monitoring Report, First Quarter 2004, prepared by AEI-January 29, 2004.
17. Groundwater Monitoring Report, Second Quarter 2004, prepared by AEI-May 24, 2004.
18. Groundwater Monitoring Report, Third Quarter 2004, prepared by AEI-August 23, 2004.
19. Groundwater Monitoring Report, Fourth Quarter 2004, prepared by AEI-December 6, 2004.
20. Groundwater Monitoring Report, First Quarter 2005, prepared by AEI-March 9, 2005.
21. Groundwater Monitoring Report, Second Quarter 2005, prepared by AEI-June 22, 2005.
22. Groundwater Monitoring Report, Third Quarter 2005, prepared by AEI-August 12, 2005.

Figure 2 Site Plan
Figure 3 Groundwater Analytical Data
Figure 4 Groundwater Gradient

Tables

Table 1 Monitoring Well Construction Details
Table 2 Historical Groundwater Elevations
Table 3 Historical Groundwater Sample Analytical Data

Appendix A Groundwater Monitoring Well Field Sampling Forms

Appendix B Laboratory Reports With Chain of Custody Documentation

Distribution:

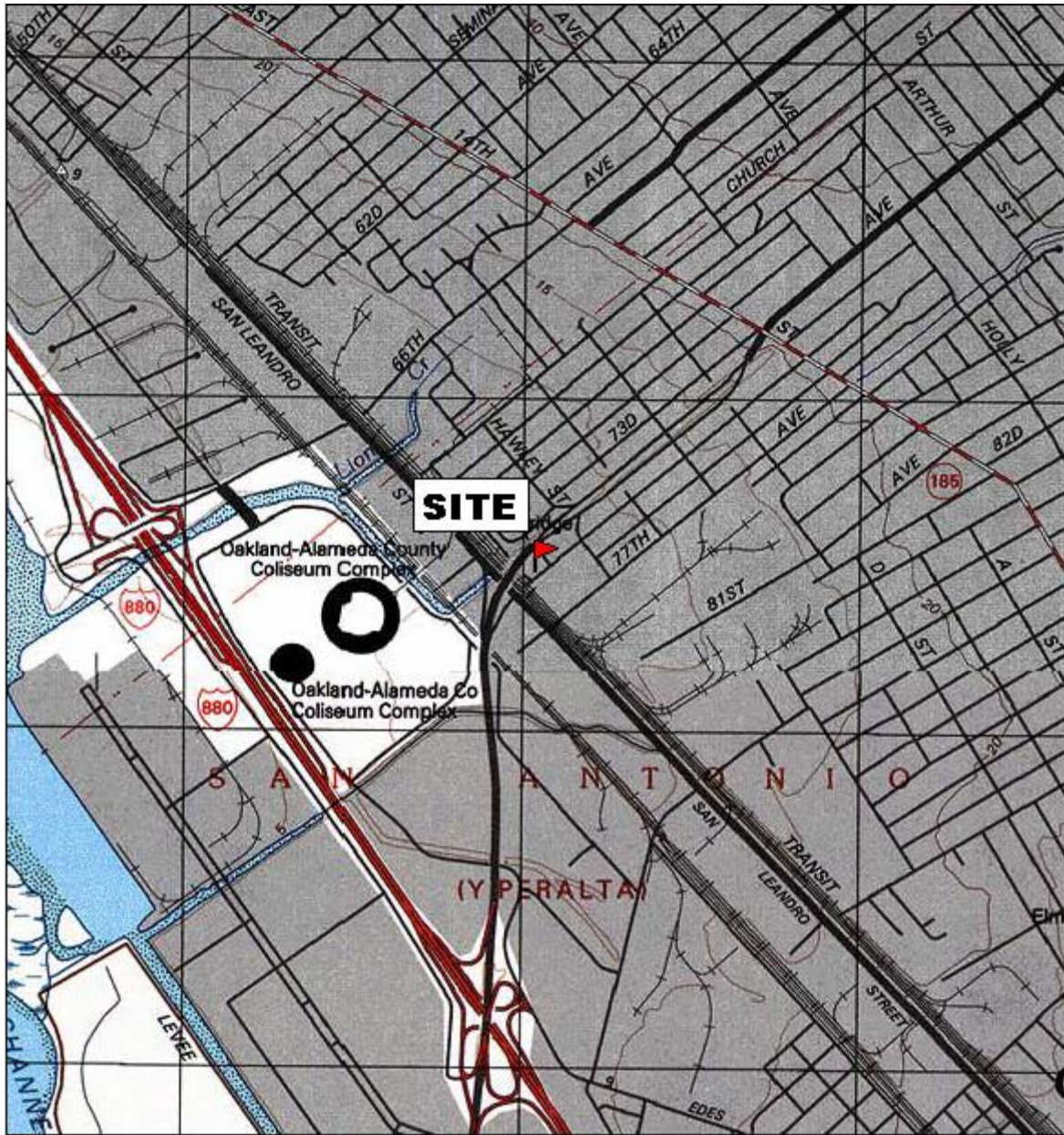
Mr. Allan Kanady
Omega Termite
807 75th Avenue
Oakland, CA 95621

(2 copies)

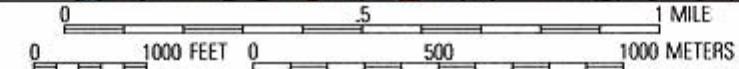
Mr. Jerry Wickham
Alameda Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Betty Graham
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland CA 94612

FIGURES

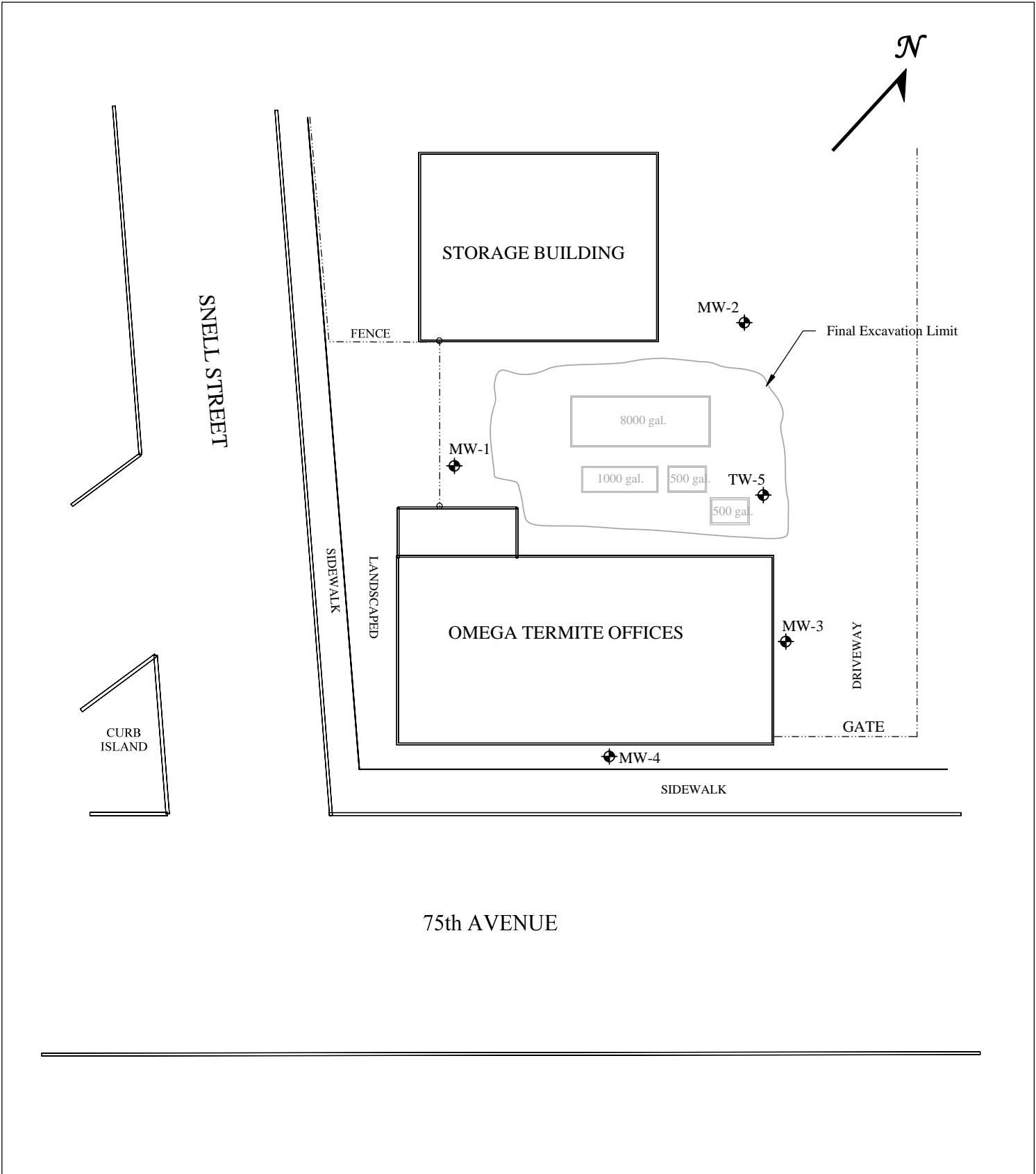


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<p>AEI CONSULTANTS 2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK, CA</p>	
<p>SITE LOCATION MAP</p>	
<p>807 75th AVENUE OAKLAND, CALIFORNIA</p>	<p>FIGURE 1 AEI PROJECT No. 115483</p>



LEGEND

◆ MONITORING WELL LOCATIONS

Base Drafted: R. Flory (1/23/2004)
 Revised by R. Bradford (2/08/2006)

0' 5' 10' 20'
 SCALE: 1 in = 20 ft

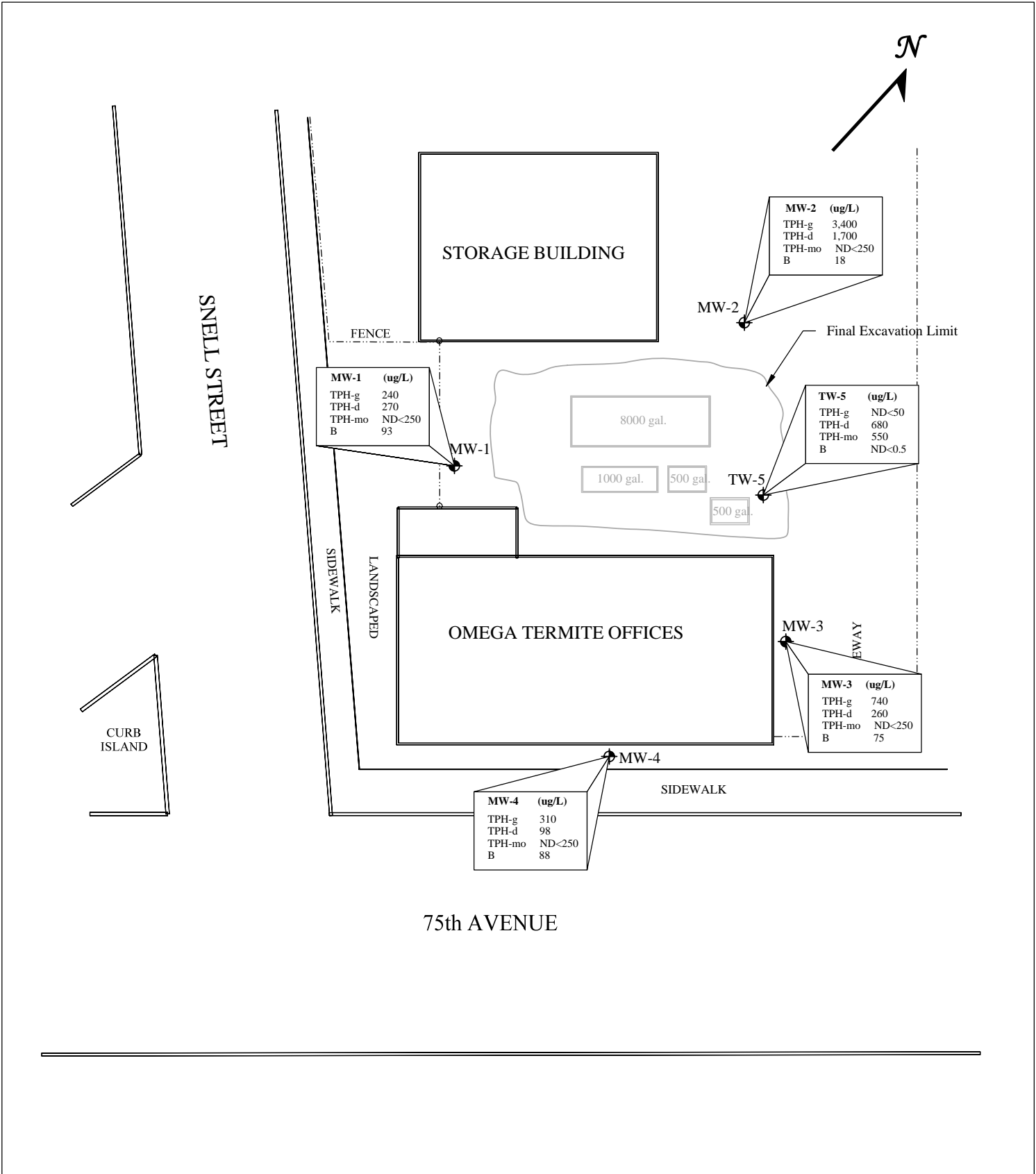
AEI CONSULTANTS

2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK, CA

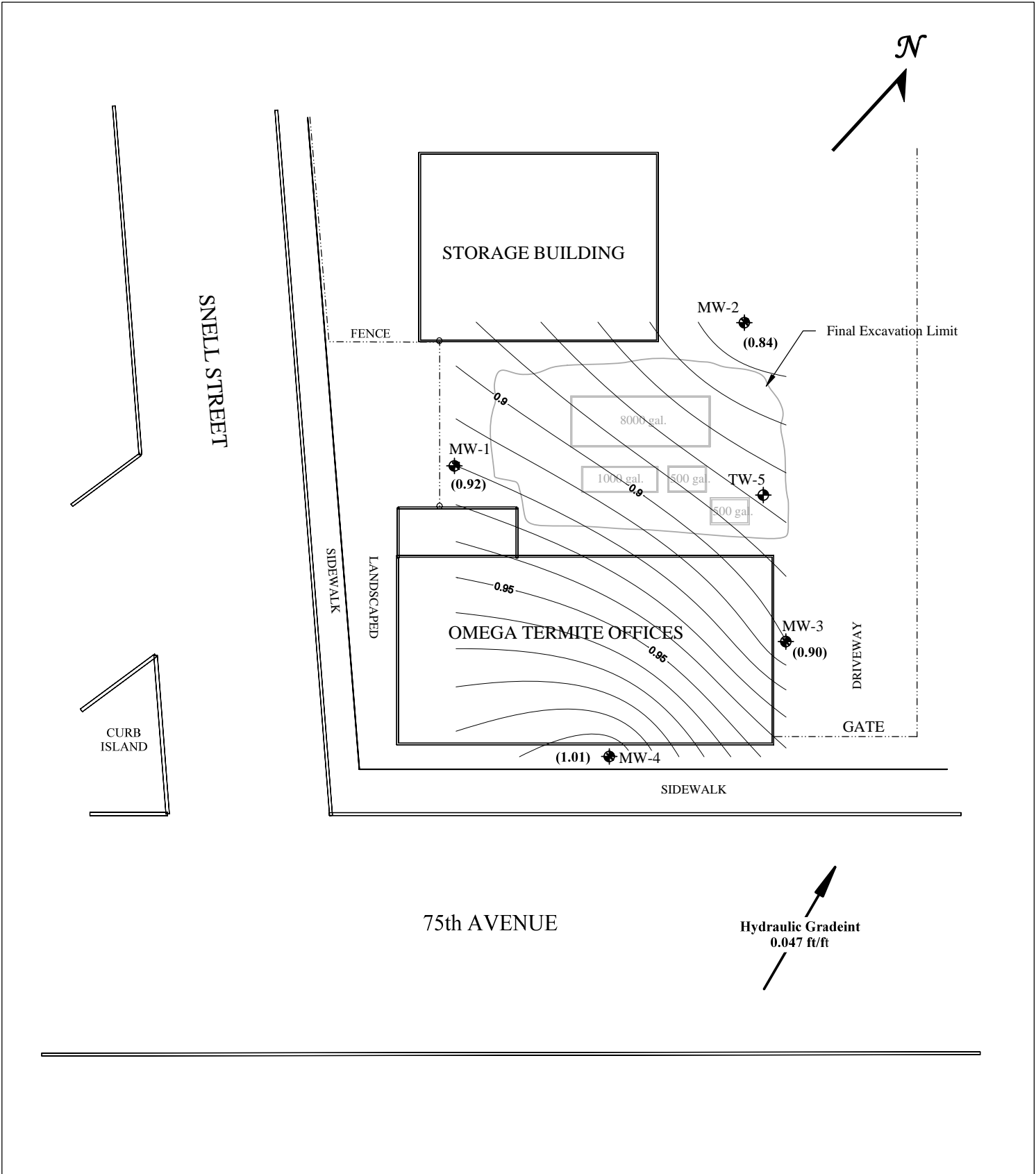
SITE PLAN

807 75th AVENUE
 OAKLAND, CALIFORNIA

FIGURE 2
 AEI Project No. 115483



<p>LEGEND</p> <p>◆ MONITORING WELL LOCATIONS with concentrations in micrograms per liter (ug/L)</p> <p>TPH-g - Total Petroleum Hydrocarbons as gasoline TPH-d - Total Petroleum Hydrocarbons as diesel TPH-mo - Total Petroleum Hydrocarbons as motor oil B - benzene</p>	<p>Base Drafted: R. Flory (1/23/2004) Revised by R. Bradford (2/08/2006)</p>	<p>AEI CONSULTANTS 2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK, CA</p> <p>GROUNDWATER ANALYTICAL DATA (1/11/06)</p> <p>807 75th AVENUE OAKLAND, CALIFORNIA</p>
<p>0' 5' 10' 20' SCALE: 1 in = 20 ft</p>		<p>FIGURE 3 AEI Project No. 115483</p>



<p>LEGEND</p> <p>◆ MONITORING WELL LOCATIONS</p> <p>(-0.29) Groundwater elevations in feet above mean sea level (ft amsl)</p> <p>Groundwater elevation contours plotted with Surfer v.7.0</p>	<p>Base Drafted: R. Flory (1/23/2004)</p> <p>Revised by R. Bradford (2/08/2006)</p>	<p>AEI CONSULTANTS</p> <p>2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK, CA</p> <p>GROUNDWATER GRADIENT (01/11/06)</p>
	<p>0' 5' 10' 20'</p> <p>SCALE: 1 in = 20 ft</p>	
		<p>FIGURE 4</p> <p>AEI Project No. 115483</p>

TABLES

Table 1: Monitoring Well Construction Details
Omega Termite, 807 75th Ave., Oakland, CA

Well ID	Date Installed	Top of Casing (feet)	Water Depth (1/25/05)	Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material (feet)	Bentonite Seal (feet)	Grout Seal (feet)
MW-1	06/25/99	5.00	5.24	PVC	20	20	8 1/4	2	20.0-5.0	0.02	0.5-4.5	#3 sand	4.5-3.5	3.5-0.5
MW-2	06/25/99	5.95	6.17	PVC	20	20	8 1/4	2	20.0-5.0	0.02	0.5-4.5	#3 sand	4.5-3.5	3.5-0.5
MW-3	06/25/99	4.66	4.82	PVC	20	20	8 1/4	2	20.0-5.0	0.02	0.5-4.5	#3 sand	4.5-3.5	3.5-0.5
MW-4	06/25/99	4.59	4.83	PVC	20	20	8 1/4	2	20.0-5.0	0.02	0.5-4.5	#3 sand	4.5-3.5	3.5-0.5
TW-5	March 2000	NS	6.04	PVC	10	10	NA	4	10.0-5.0	1/4" drilled	NA	NA	NA	2.0

**Table 2: Historical Groundwater Elevation Data
Omega Termite, 807 75th Ave., Oakland, CA**

Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft)	Groundwater Elevation (ft amsl)	Elevation Change (ft)
MW-1	07/30/99	5.00	5.82	-0.82	---
	11/09/99	5.00	5.70	-0.70	0.12
	02/23/00	5.00	2.84	2.16	2.86
	05/26/00	5.00	5.50	-0.50	-2.66
	10/10/00	5.00	5.70	-0.70	-0.20
	02/07/01	5.00	5.25	-0.25	0.45
	05/25/01	5.00	5.25	-0.25	0.00
	09/19/01	5.00	5.51	-0.51	-0.26
	02/06/02	NM	NM	NM	NM
	05/17/02	5.00	5.30	-0.30	---
	08/20/02	5.00	5.39	-0.39	-0.09
	01/10/03	5.00	4.11	0.89	1.28
	04/14/03	5.00	4.85	0.15	-0.74
	07/14/03	5.00	5.08	-0.08	-0.23
	10/14/03	5.00	5.63	-0.63	-0.55
	01/13/04	5.00	4.53	0.47	1.10
	04/15/04	5.00	5.14	-0.14	-0.61
	07/15/04	5.00	5.42	-0.42	-0.28
	10/18/04	5.00	5.24	-0.24	0.18
	01/25/05	5.00	4.47	0.53	0.77
	04/19/05	5.00	4.66	0.34	-0.19
07/18/05	5.00	4.91	0.09	-0.25	
10/18/05	5.00	5.24	-0.24	-0.33	
11/03/05	5.00	5.31	-0.31	-0.07	
	01/11/06	5.00	4.08	0.92	1.23
MW-2	07/30/99	5.95	6.64	-0.69	---
	11/09/99	5.95	6.42	-0.47	0.22
	02/23/00	5.95	3.31	2.64	3.11
	05/26/00	5.95	6.34	-0.39	-3.03
	10/10/00	5.95	6.52	-0.57	-0.18
	02/07/01	5.95	5.90	0.05	0.62
	05/25/01	5.95	6.08	-0.13	-0.18
	09/19/01	5.95	6.53	-0.58	-0.45
	02/06/02	5.95	5.72	0.23	0.81
	05/17/02	5.95	6.17	-0.22	-0.45
	08/20/02	5.95	NM	NM	NM
	01/10/03	5.95	5.12	0.83	---
	04/14/03	5.95	4.98	0.97	0.14
	07/14/03	5.95	5.99	-0.04	-1.01
	10/14/03	5.95	6.43	-0.48	-0.44
	01/13/04	5.95	5.42	0.53	1.01
	04/15/04	5.95	6.02	-0.07	-0.60
	07/15/04	5.95	5.27	0.68	0.75
	10/18/04	5.95	6.12	-0.17	-0.85
	04/19/05	5.95	5.61	0.34	0.51
	07/18/05	5.95	5.84	0.11	-0.23
10/19/05	5.95	6.17	-0.22	-0.33	
11/03/05	5.95	6.21	-0.26	-0.04	
	01/11/06	5.95	5.11	0.84	1.10

**Table 2: Historical Groundwater Elevation Data
Omega Termite, 807 75th Ave., Oakland, CA**

Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft)	Groundwater Elevation (ft amsl)	Elevation Change (ft)
MW-3	07/30/99	4.66	5.35	-0.69	---
	11/09/99	4.66	5.11	-0.45	0.24
	02/23/00	4.66	2.37	2.29	2.74
	05/26/00	4.66	4.98	-0.32	-2.61
	10/10/00	4.66	5.24	-0.58	-0.26
	02/07/01	4.66	4.73	-0.07	0.51
	05/25/01	4.66	4.73	-0.07	0.00
	09/19/01	4.66	5.07	-0.41	-0.34
	02/06/02	4.66	4.69	-0.03	0.38
	05/17/02	4.66	4.80	-0.14	-0.11
	08/20/02	4.66	4.97	-0.31	-0.17
	01/10/03	4.66	3.59	1.07	1.38
	04/14/03	4.66	5.40	-0.74	-1.81
	07/14/03	4.66	4.69	-0.03	0.71
	10/14/03	4.66	5.16	-0.50	-0.47
	01/13/04	4.66	4.15	0.51	1.01
	04/15/04	4.66	4.73	-0.07	-0.58
	07/15/04	4.66	5.03	-0.37	-0.30
	10/18/04	4.66	4.85	-0.19	0.18
	01/25/05	4.66	4.13	0.53	0.72
	04/19/05	4.66	4.23	0.43	-0.10
07/18/05	4.66	4.56	0.10	-0.33	
10/18/05	4.66	4.82	-0.16	-0.26	
11/03/05	4.66	4.87	-0.21	-0.05	
01/11/06	4.66	3.76	0.90	1.11	
MW-4	07/30/99	4.59	5.45	-0.86	---
	11/09/99	4.59	5.31	-0.72	0.14
	02/23/00	4.59	2.72	1.87	2.59
	05/26/00	4.59	5.07	-0.48	-2.35
	10/10/00	4.59	5.32	-0.73	-0.25
	02/07/01	4.59	4.73	-0.14	0.59
	05/25/01	4.59	4.90	-0.31	-0.17
	09/19/01	4.59	5.16	-0.57	-0.26
	02/06/02	4.59	4.65	-0.06	0.51
	05/17/02	4.59	4.90	-0.31	-0.25
	08/20/02	4.59	5.02	-0.43	-0.12
	01/10/03	4.59	3.78	0.81	1.24
	04/14/03	4.59	4.11	0.48	-0.33
	07/14/03	4.59	4.75	-0.16	-0.64
	10/14/03	4.59	5.28	-0.69	-0.53
	01/13/04	4.59	4.07	0.52	1.21
	04/15/04	4.59	4.70	-0.11	-0.63
	07/15/04	4.59	5.09	-0.50	-0.39
	10/18/04	4.59	4.86	-0.27	0.23
	01/25/05	4.59	4.02	0.57	0.84
	04/19/05	4.59	4.17	0.42	-0.15
07/18/05	4.59	4.49	0.10	-0.32	
10/18/05	4.59	4.83	-0.24	-0.34	
11/03/05	4.59	4.88	-0.29	-0.05	
01/11/06	4.59	3.58	1.01	1.30	

**Table 2: Historical Groundwater Elevation Data
Omega Termite, 807 75th Ave., Oakland, CA**

Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft)	Groundwater Elevation (ft amsl)	Elevation Change (ft)
TW-5	09/19/01	NS	6.59	----	----
	05/17/02	NS	6.56	----	0.03
	08/20/02	NS	6.62	----	-0.06
	01/10/03	NS	4.66	----	1.96
	04/14/03	NS	5.30	----	-0.64
	07/14/03	NS	5.84	----	-0.54
	07/14/03	NS	5.84	----	0.00
	10/14/03	NS	6.08	----	-0.24
	01/13/04	NS	4.83	----	1.25
	04/15/04	NS	5.64	----	-0.81
	07/15/04	NS	5.89	----	-0.25
	10/18/04	NS	5.95	----	-0.06
	01/25/05	NS	5.13	----	0.82
	04/19/05	NS	5.27	----	-0.14
	07/18/05	NS	5.76	----	-0.49
	10/18/05	NS	6.04	----	-0.28
	11/03/05	NS	6.09	----	-0.05
01/11/06	NS	4.72	----	1.37	

Depth to water measured from the top of well casing
ft amsl = feet above mean sea level

NS - TW-5 has not been surveyed
NM - not monitored

**Table 2a: Groundwater Flow Summary
Omega Termite, 807 75th Ave., Oakland, CA**

Episode #	Date	Average Elevation (ft)	Elevation Change (ft)	Flow Direction / Gradient
1	07/30/99	-0.77	-	
2	11/09/99	-0.59	0.18	0.0056 / SW
3	02/23/00	2.24	2.83	0.008 / S
4	05/26/00	-0.42	-2.66	0.003 / SW
5	10/10/00	-0.65	-0.22	0.0036 / S
6	02/07/01	-0.10	0.54	0.008 / S
7	05/25/01	-0.19	-0.09	0.006 / S
8	09/19/01	-0.52	-0.33	0.004 / S
9	02/06/02	0.05	0.56	0.005 / SE
10	05/17/02	-0.24	-0.29	0.003 / SW
11	08/20/02	-0.38	-0.13	0.002 / S
12	01/10/03	0.90	1.28	0.006 / E-NE
13	04/14/03	0.22	-0.69	0.016 / E-NE
14	07/14/03	-0.08	-0.29	.0017 / S-SE
15	10/14/03	-0.58	-0.50	0.003 / SE
16	01/13/04	0.51	1.08	0.001 / W
17	04/15/04	-0.10	-0.61	0.001 / W
18	07/15/04	-0.15	-0.05	0.001 / W
19	10/18/04	-0.22	-0.07	0.002 / N
20	01/25/05	0.49	0.71	0.002 / N
21	04/19/05	0.33	-0.17	0.001 / N
22	07/18/05	0.02	-0.31	0.0004 / S
23	10/18/05	-0.23	-0.24	0.0017 / SW
24	01/11/06	0.01	0.23	0.047 / N

Average water table elevation calculated using Microsoft Excel
Only wells MW-1 through MW-4 used in average elevation calculations

**Table 3: Historical Groundwater Sample Analytical Data
Omega Termite, 807 75th Ave., Oakland, CA**

Sample ID	Sample Collection Date	Depth to Water	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
MW-1	07/30/99	5.82	2,700	---	---	ND<10	920	5.5	18	130
	11/09/99	5.70	1,800	---	---	ND<20	430	1.5	26	60
	02/23/00	2.84	3,800	---	---	ND<10	1,500	56	78	35
	05/26/00	5.50	7,100	---	---	ND<10	2,800	70	220	81
	10/10/00	5.70	980	---	---	ND<5.0	260	2.9	10	11
	02/07/01	5.25	570	---	---	ND<5.0	150	1.8	4.9	9.3
	05/25/01	5.25	18,000	---	---	ND<100	3,800	350	550	620
	09/19/01	5.51	840	---	---	ND<5.0	190	4.0	4.6	5.3
	05/17/02	5.30	13,000	920	---	ND<5.0	4,500	29	50	58
	08/20/02	5.39	2,100	740	ND<5000 ²	ND<15	820	4.5	6.4	9.6
	01/10/03	4.11	95	260	ND<5000 ²	ND<5.0	23	0.66	3.9	6.5
	04/14/03	4.85	340	310	---	ND<5.0	87	1.3	4.3	5.6
	07/14/03	5.08	750	700	---	ND<10	420	0.84	3.7	6.0
	10/14/03	5.63	200	930	460.0	ND<5.0	62	0.83	2.2	2.7
	01/13/04	4.53	510	440	ND<250	ND<5.0	190	1.7	11	18.0
	04/15/04	5.14	740	490	ND<250	ND<10	240	ND<0.5	5.0	9.6
	07/15/04	5.42	250	420	260	ND<5.0	78	ND<0.5	5.0	4.4
	10/18/04	5.42	170	510	290	ND<5.0	33	0.75	1.7	3.5
	01/25/05	4.47	240	390	ND<250	ND<5.0	86	0.82	1.3	3.0
	04/19/05	4.66	5,100	460	ND<250	ND<50	2,100	5.2	13	84
	07/18/05	4.91	3,300	700	350	ND<45	1,500	2.8	13	24
10/18/05	5.24	560	550	330	ND<5.0	190	ND<0.5	3.0	8.6	
01/11/06	4.08	240	270	ND<250	ND<5.0	93	ND<0.5	1.3	3.4	
MW-2	07/30/99	6.64	1,200	---	---	ND<10	29	2.5	51	100
	11/09/99	6.42	1,300	---	---	ND<30	26	1.1	55	32
	02/23/00	3.31	5,000	---	---	ND<10	200	18	390	440
	05/26/00	6.34	2,700	---	---	ND<10	69	13	83	68
	10/10/00	6.52	810	---	---	ND<10	17	4.7	42	46
	02/07/01	5.90	2,600	---	---	ND<10	70	15	80	100
	05/25/01	6.08	2,400	---	---	ND<5.0	75	16	85	100
	09/19/01	6.53	1,200	---	---	ND<5.0	10	8.5	46	55
	02/06/02	5.72	1,800	---	---	ND<50	14	11	58	59
	05/17/02	6.17	2,000	860	---	8.1	19	1.1	0.75	88
	01/10/03	5.12	2,000	910	ND<5000	ND<50	11	11	96	100
	04/14/03	4.98	2,400	800	-	ND<10	16	10	100	73
	07/14/03	5.99	1,900	970	-	ND<15	18	4.8	79	78
	10/14/03	6.43	1,600	1,300	ND<250	ND<10	14	5.9	87	78
	01/13/04	5.72	2,900	960	ND<250	ND<50	26	13	190	150
	04/15/04	6.02	2,700	1,100	ND<250	ND<15	28	11	120	100
	07/15/04	5.27	2,300	1,000	ND<250	ND<10	8.8	3.8	96	84
	10/18/04	5.27	2,400	910	ND<250	ND<10	8.6	8.9	68	72
	01/25/05	5.41	3,500	1,200	ND<250	ND<50	21	11	170	120
	04/19/05	5.61	3,400	1,700	ND<250	ND<15	15	7.4	150	94
	07/18/05	5.84	3,400	1,400	ND<250	ND<5.0	11	9.7	100	89
10/18/05	6.17	3,000	2,000	270	ND<5.0	8.4	6.7	88	86	
01/11/06	5.11	3,400	1,700	ND<250	ND<90	18	9.4	170	87	

**Table 3: Historical Groundwater Sample Analytical Data
Omega Termite, 807 75th Ave., Oakland, CA**

Sample ID	Sample Collection Date	Depth to Water	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
MW-3	07/30/99	5.35	2,700	---	---	ND<10	220	15	130	230
	11/09/99	5.11	3,100	---	---	15	440	8.8	150	96
	02/23/00	2.37	1,800	---	---	ND<15	180	11	82	79
	05/26/00	4.98	1,600	---	---	6.4	140	10	69	63
	10/10/00	5.24	1,100	---	---	ND<10	110	4.4	63	51
	02/07/01	4.73	1,100	---	---	ND<10	130	5.1	68	65
	05/25/01	4.73	1,200	---	---	ND<6.0	120	5.4	69	64
	09/19/01	5.07	800	---	---	<5.0	78	3.5	52	37
	02/06/02	4.69	1,100	---	---	ND<10	130	4.7	77	71
	05/17/02	4.80	2,800	810	---	ND<50/2.0 ¹	410	23	160	210
	08/20/02	4.97	780	270	ND<5000 ²	ND<10	110	2.8	63	41
	01/10/03	3.59	1,100	510	ND<5000 ²	ND<20	160	3.4	98	84
	04/14/03	5.40	690	230	-	ND<5.0	60	2.3	44	34
	07/14/03	4.69	900	380	-	ND<5.0	130	2.0	70	43
	10/14/03	5.16	500	200	ND<250	ND<10	50	2.3	37	18
	01/13/04	4.15	1,500	400	ND<250	ND<30	200	6.2	120	88
	04/15/04	4.73	1,100	280	ND<250	ND<15	130	3.7	75	53
	07/15/04	5.03	610	240	ND<250	ND<5.0	73	2.1	51	29
	10/18/04	5.03	370	270	ND<250	ND<5.0	45	1.2	47	28
	01/25/05	4.13	840	300	ND<250	ND<5.0	85	2.4	68	45
	04/19/05	4.23	1,100	380	ND<250	ND<5.0	140	4.0	95	59
	07/18/05	4.66	740	290	ND<250	ND<5.0	98	2.0	70	35
	10/18/05	4.82	420	220	ND<250	ND<5.0	38	1.1	35	16
01/11/06	3.73	740	260	ND<250	ND<5.0	75	2.5	60	32	
MW-4	07/30/99	5.45	340	---	---	ND<10	57	2.2	8.5	6.8
	11/09/99	5.31	1,000	---	---	ND<10	220	<0.5	17	7.1
	02/23/00	2.72	980	---	---	ND<5.0	260	7	33	27
	05/26/00	5.07	760	---	---	5.7	170	4.8	22	13
	10/10/00	5.32	520	---	---	ND<10	130	2.3	22	10
	02/07/01	4.73	680	---	---	ND<8.0	180	3.7	29	21
	05/25/01	4.90	1,700	---	---	ND<10	510	9.6	44	46
	09/19/01	5.16	680	---	---	ND<10	200	2.6	33	12
	02/06/02	4.65	710	---	---	ND<15	220	2.8	40	21
	05/17/02	4.90	1,300	190	---	3.3 ¹	330	5.6	61	51
	08/20/02	5.02	580	120	ND<5000 ²	ND<5.0	160	1.7	34	13
	01/10/03	3.78	800	85	ND<5000 ²	ND<20	240	2.5	46	28
	04/14/03	4.11	850	120	---	ND<10	220	2.7	47	26
	07/14/03	4.75	780	170	---	ND<20	220	1.4	44	23
	10/14/03	5.25	420	110	ND<250	ND<5.0	120	0.95	31	8.2
	01/13/04	4.07	120	69	ND<250	ND<10	30	0.52	8.1	4.7
	04/15/04	4.70	660	120	ND<250	ND<25	200	2.2	39	24
	07/15/04	5.09	500	92	ND<250	ND<5.0	130	1.3	35	15
	10/18/04	5.09	350	18	ND<250	ND<5.0	76	0.68	22	4.9
	01/25/05	4.02	580	110	ND<250	ND<5.0	140	1.2	37	20
	04/19/05	4.17	790	130	ND<250	ND<5.0	200	1.7	51	28
	07/18/05	4.49	490	140	ND<250	ND<5.0	140	0.99	36	11
	10/18/05	4.83	320	84	ND<250	ND<5.0	72	0.59	20	4.4
01/11/06	3.58	310	98	ND<250	ND<5.0	88	0.65	26	9.0	

**Table 3: Historical Groundwater Sample Analytical Data
Omega Termite, 807 75th Ave., Oakland, CA**

Sample ID	Sample Collection Date	Depth to Water	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
TW-5	10/10/00	---	5,800	2,900	ND<250	ND<50	650	60	190	230
	02/07/01	---	720	650	450	ND<5.0	6.0	4.5	3.2	4.5
	05/25/01	---	370	420	ND<250	ND<5.0	13.0	4.1	1.6	1.3
	09/19/01	6.59	15,000	2,700,000	1,100,000	530	29	2.7	14	240
	02/06/02	---	280	55,000	18,000	ND<5.0	2.3	0.74	ND<0.5	0.70
	05/17/02	6.56	480	41,000	---	ND<5.0/<5.0 ¹	1.6	1.1	0.8	ND<0.5
	08/20/02	6.62	240	21,000	ND<5000 ²	ND<5.0	8.0	1.2	1.1	0.54
	01/10/03	4.66	ND<50	1,300	ND<5000 ²	ND<5.0	5.4	0.58	ND<0.5	1.10
	4/14/2003	5.30	160	2,300	---	ND<5.0	18	5.7	5.9	16
	7/14/2003	5.84	100	16,000	---	ND<5.0	1.2	0.77	0.63	1.2
	10/14/03	6.08	120	10,000	4,600	ND<5.0	1.6	1.6	ND<0.5	1.2
	01/13/04	4.83	110	2,100	1,400	ND<5.0	8.4	1.2	ND<0.5	3.9
	04/15/04	5.64	170	2,200	1,100	ND<5.0	2.5	1.2	ND<0.5	5.1
	07/15/04	5.89	81	3,000	1,600	ND<5.0	5	1.3	0.85	4.1
	10/18/04	5.89	230	3,700	1,600	ND<5.0	0.54	3.4	ND<0.5	0.93
	01/25/05	5.13	63	750	640	ND<5.0	ND<0.5	0.78	ND<0.5	1.3
	04/19/05	5.27	ND<50	1,100	660	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	07/18/05	5.76	ND<50	770	490	ND<5.0	ND<0.5	0.88	ND<0.5	ND<0.5
10/18/05	6.04	78	1,600	1,100	ND<5.0	ND<0.5	1.6	ND<0.5	ND<0.5	
01/11/06	4.72	ND<50	680	550	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	

1) MTBE concentrations by methods 8021B/8260B

2) Analysis for total oil and grease (TOG) by method 5520

TPH-g = total petroleum hydrocarbons as gasoline

TPH-d = total petroleum hydrocarbons as diesel

TPH-mo = total petroleum hydrocarbons as motor oil

µg/L = micrograms per liter (parts per billion)

----- not sampled

ND = not detected

APPENDIX A

MONITORING WELL FIELD SAMPLING FORMS

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-1

Project Name:	Omega Termite	Date of Sampling:	1/11/2006
Job Number:	115483	Name of Sampler:	Adrian Nieto
Project Address:	807 75th Avenue Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	5.00		
Depth of Well	20.00		
Depth to Water (from top of casing)	4.08		
Water Elevation (feet above msl)	0.92		
Well Volumes Purged	3		
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	7.6		
Actual Volume Purged (gallons)	8.0		
Appearance of Purge Water	clears at 1 gallons		
Free Product Present?	No	Thickness (ft):	NA

GROUNDWATER SAMPLES

Number of Samples/Container Size				2 - 40ml VOAs, 1 L Amber			
Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µS/cm)	DO (mg/L)	ORP (meV)	Comments
	2	17.70	7.56	379	0.56	-80.8	
	4	17.54	7.48	436	0.50	-71.2	
	6	17.69	7.40	471	0.47	-60.1	
	8	17.80	7.33	488	0.44	-52.2	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Initially dark. Strong hydrocarbon odor.

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-2

Project Name:	Omega Termite	Date of Sampling:	1/11/2006
Job Number:	115483	Name of Sampler:	Adrian Nieto
Project Address:	807 75th Avenue Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	5.95		
Depth of Well	20.00		
Depth to Water (from top of casing)	5.11		
Water Elevation (feet above msl)	0.84		
Well Volumes Purged	3		
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	7.1		
Actual Volume Purged (gallons)	8.0		
Appearance of Purge Water	Fast clearing		
Free Product Present?	No	Thickness (ft):	NA

GROUNDWATER SAMPLES

Number of Samples/Container Size				2 - 40ml VOAs, 1 L Amber			
Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (μS/cm)	DO (mg/L)	ORP (meV)	Comments
	2	18.41	7.01	904	0.2	-77.3	
	4	18.32	7.04	906	0.14	-74.5	
	6	18.63	7.00	898	0.12	-71.5	
	8	18.84	6.97	897	0.11	-77.9	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Light dark, with strong hydrocarbon odor.

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-3

Project Name:	Omega Termite	Date of Sampling:	1/11/2006
Job Number:	115483	Name of Sampler:	Adrian Nieto
Project Address:	807 75th Avenue Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	Replaced lock and cap ▼		
Elevation of Top of Casing (feet above msl)	4.66		
Depth of Well	20.00		
Depth to Water (from top of casing)	3.76		
Water Elevation (feet above msl)	0.90		
Well Volumes Purged	3		
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	7.8		
Actual Volume Purged (gallons)	8.0		
Appearance of Purge Water	Clear		
Free Product Present?	No	Thickness (ft):	NA

GROUNDWATER SAMPLES

Number of Samples/Container Size				2 - 40ml VOAs, 1 L Amber			
Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µS/cm)	DO (mg/L)	ORP (meV)	Comments
	2	18.64	6.97	1157	0.39	309.3	
	4	17.64	6.93	1166	0.30	370.2	
	6	18.08	6.91	1168	0.23	353.4	
	8	18.20	6.91	1165	0.21	341.3	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Clear with no hydrocarbon odor.

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-4

Project Name:	Omega Termite	Date of Sampling:	1/11/2006
Job Number:	115483	Name of Sampler:	Adrian Nieto
Project Address:	807 75th Avenue Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	4.59		
Depth of Well	20.00		
Depth to Water (from top of casing)	3.58		
Water Elevation (feet above msl)	1.01		
Well Volumes Purged	3		
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	7.9		
Actual Volume Purged (gallons)	8.0		
Appearance of Purge Water	Clears quickly		
Free Product Present?	No	Thickness (ft):	NA

GROUNDWATER SAMPLES

Number of Samples/Container Size				2 - 40ml VOAs, 1 L Amber			
Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (μS/cm)	DO (mg/L)	ORP (meV)	Comments
	2	18.34	6.95	868	0.70	81.2	
	4	17.95	7.01	805	0.57	77.3	
	6	18.39	6.98	899	0.57	74.5	
	8	18.70	6.94	1152	0.51	71.7	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Slightly brown, clearing quickly, no hydrocarbon odor.

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: TW-5

Project Name:	Omega Termite	Date of Sampling:	1/11/2006
Job Number:	115483	Name of Sampler:	Adrian Nieto
Project Address:	807 75th Avenue Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	4		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	----		
Depth of Well	10.00		
Depth to Water (from top of casing)	4.72		
Water Elevation (feet above msl)	----		
Well Volumes Purged	3		
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	10.2		
Actual Volume Purged (gallons)	12.0		
Appearance of Purge Water	clears quickly		
Free Product Present?	No	Thickness (ft):	NA

GROUNDWATER SAMPLES

Number of Samples/Container Size				2 - 40ml VOAs, 1 L Amber			
Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µS/cm)	DO (mg/L)	ORP (meV)	Comments
	2	16.02	7.36	630	0.56	11.4	
	4	16.01	7.29	622	0.32	8.1	
	6	16.00	7.25	616	0.24	10.9	
	8	15.99	7.21	613	0.2	13.9	
	10	15.99	7.19	610	0.18	16.5	
	12	15.99	7.19	609	0.17	17.1	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Initially light gray, clears quickly. Strong hydrocarbon odor.

APPENDIX B

LABORATORY ANALYTICAL AND CHAIN OF CUSTODY DOCUMENTATION



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
 Telephone : 925-798-1620 Fax : 925-798-1622
 Website: www.mcccampbell.com E-mail: main@mcccampbell.com

AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #3190; Omega Termite	Date Sampled: 01/11/06
	Client Contact: Robert Flory	Date Received: 01/11/06
	Client P.O.:	Date Extracted: 01/14/06-01/18/06
		Date Analyzed: 01/14/06-01/18/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0601159

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	240,a	ND	93	ND	1.3	3.4	1	100
002A	MW-2	W	3400,a	ND<90	18	9.4	170	87	5	116
003A	MW-3	W	740,a	ND	75	2.5	60	32	1	117
004A	MW-4	W	310,a	ND	88	0.65	26	9.0	1	113
005A	TW-5	W	ND	ND	ND	ND	ND	ND	1	104

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.



McC Campbell Analytical, Inc.

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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #3190; Omega Termite	Date Sampled: 01/11/06
	Client Contact: Robert Flory	Date Received: 01/11/06
	Client P.O.:	Date Analyzed: 01/12/06-01/13/06

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3510C

Analytical methods: SW8015C

Work Order: 0601159

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0601159-001B	MW-1	W	270,c	ND	1	101
0601159-002B	MW-2	W	1700,d,b	ND	1	106
0601159-003B	MW-3	W	260,d	ND	1	102
0601159-004B	MW-4	W	98,d	ND	1	104
0601159-005B	TW-5	W	680,c,g	550	1	104

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirits; p) see Case Narrative.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0601159

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 19810			Spiked Sample ID: 0601153-004A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	60	106	107	0.451	113	102	9.86	70 - 130	70 - 130
MTBE	ND	10	95.9	95.2	0.735	91.9	90.7	1.22	70 - 130	70 - 130
Benzene	ND	10	94.6	93.4	1.25	89.7	95.2	5.87	70 - 130	70 - 130
Toluene	ND	10	94.2	92.4	1.98	92.4	95.8	3.63	70 - 130	70 - 130
Ethylbenzene	ND	10	96.7	95.7	0.964	92.3	95.9	3.75	70 - 130	70 - 130
Xylenes	ND	30	99.3	95.7	3.76	94.3	98.7	4.49	70 - 130	70 - 130
%SS:	95	10	99	98	1.32	101	104	2.68	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19810 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601159-004A	1/11/06 11:00 AM	1/14/06	1/14/06 10:22 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0601159

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 19820			Spiked Sample ID: 0601168-004A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	60	103	103	0	109	104	5.35	70 - 130	70 - 130
MTBE	ND	10	94.5	88.6	6.45	94.1	98.4	4.41	70 - 130	70 - 130
Benzene	ND	10	93.9	88	6.45	92	97.8	6.08	70 - 130	70 - 130
Toluene	ND	10	94.7	86.8	8.68	92	97.4	5.68	70 - 130	70 - 130
Ethylbenzene	ND	10	94.1	95.1	1.07	94.8	99.2	4.51	70 - 130	70 - 130
Xylenes	ND	30	95	99	4.12	95.3	99.7	4.44	70 - 130	70 - 130
%SS:	103	10	101	99	2.41	99	104	4.76	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19820 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601159-001A	1/11/06 12:00 PM	1/14/06	1/14/06 8:19 AM	0601159-002A	1/11/06 11:45 AM	1/15/06	1/15/06 2:18 AM
0601159-003A	1/11/06 11:20 AM	1/14/06	1/14/06 9:53 PM	0601159-005A	1/11/06 11:35 AM	1/18/06	1/18/06 12:04 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0601159

EPA Method: SW8015C		Extraction: SW3510C			BatchID: 19812			Spiked Sample ID: N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	101	101	0	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	116	117	0.562	N/A	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

BATCH 19812 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601159-001B	1/11/06 12:00 PM	1/11/06	1/12/06 5:54 AM	0601159-002B	1/11/06 11:45 AM	1/11/06	1/12/06 7:02 AM
0601159-003B	1/11/06 11:20 AM	1/11/06	1/12/06 8:11 AM	0601159-004B	1/11/06 11:00 AM	1/11/06	1/12/06 9:20 AM
0601159-005B	1/11/06 11:35 AM	1/11/06	1/13/06 7:25 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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 PACHECO, CA 94553-5560
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CHAIN OF CUSTODY RECORD

TURN AROUND TIME RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF PDF Excel Write On (DW)

Report To: Robert F. Flory Bill To: Same
 Company: AEI Consultants
 2500 Camino Diablo, Suite 200
 Walnut Creek, CA 94597 E-Mail: rflory@aeiconsultants.com
 Tel: (925) 944-2899, extension 122 Fax: (925) 944-2895
 Project #: 3190 Project Name: Omega Termite
 Project Location: 807 75th Street, Oakland, CA
 Sampler Signature: *Adrian N. Vega*

Analysis Request

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				BTEX & TPH as Gas (602/8020 + 8015)/MTBE TPH as Diesel /motor oil (8015) Total Petroleum Oil & Grease (5520 E&F/B&F) Total Petroleum Hydrocarbons (418.1) HVOCS EPA 8260 (8010 list) BTEX ONLY (EPA 602 / 8020) Pesticides EPA 608 / 8080 PCBs EPA 608 / 8080 VOCs EPA 624 / 8260 EPA 625 / 8270 PAH's / PNA's by EPA 625 / 8270 / 8310 CAM-17 Metals LUFT 5 Metals Lead (7240/7421/239.2/6010) RCI Halogenated VOCs (8260B - 8010 Target List)	Other	Comments
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO ₃	Other			
MW-1		11/1/06	19:00	4	V/L	X					X	X	X	X			
MW-2		↓	11:45	↓	↓	X					X	X	X	X			
MW-3		↓	11:20	↓	↓	X					X	X	X	X			
MW-4		↓	11:00	↓	↓	X					X	X	X	X			
TW-5		↓	11:35	↓	↓	X					X	X	X	X			

Analysis Request	Other	Comments
		Filter Samples for Metals Analysis: Yes / No

Relinquished By: <i>Adrian N. Vega</i>	Date: 11/1/06	Time: 9:00	Received By: <i>Mike Vega</i>
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/c <input checked="" type="checkbox"/>	GOOD CONDITION <input checked="" type="checkbox"/>	HEAD SPACE ABSENT <input checked="" type="checkbox"/>	DECHLORINATED IN LAB <input checked="" type="checkbox"/>	PRESERVATION APPROPRIATE <input checked="" type="checkbox"/>	CONTAINERS <input checked="" type="checkbox"/>	PERSERVED IN LAB <input type="checkbox"/>	VOAS <input checked="" type="checkbox"/>	O&G <input type="checkbox"/>	METALS <input type="checkbox"/>	OTHER <input type="checkbox"/>
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McC Campbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

WorkOrder: 0601159

ClientID: AEL

EDF: YES

Report to:

Robert Flory
 AEI Consultants
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

TEL: (925) 283-6000
 FAX: (925) 283-6121
 ProjectNo: #3190; Omega Termite
 PO:

Bill to:

Joanne Bryant
 AEI Consultants
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

Requested TAT:

5 days

Date Received: **01/11/2006**

Date Printed: **01/11/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0601159-001	MW-1	Water	1/11/06 12:00:00	<input type="checkbox"/>	A	A	B										
0601159-002	MW-2	Water	1/11/06 11:45:00	<input type="checkbox"/>	A		B										
0601159-003	MW-3	Water	1/11/06 11:20:00	<input type="checkbox"/>	A		B										
0601159-004	MW-4	Water	1/11/06 11:00:00	<input type="checkbox"/>	A		B										
0601159-005	TW-5	Water	1/11/06 11:35:00	<input type="checkbox"/>	A		B										

Test Legend:

1	G-MBTX_W	2	PREFD REPORT	3	TPH(DMO)_W	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.