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Environmental & Civil Engineering

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May 24, 2004

120508

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

Subject: **2nd Quarter 2004 Groundwater Monitoring Report**
807 75th Street
Oakland, CA 94621
AEI Project No. 3190

Dear Mr. Gholami:

Enclosed is the most recent quarterly monitoring report for the above referenced site.

Please call me at (925) 944-2899 ext. 122 if you have any questions.

Sincerely,

Robert Flory, RG
Project Manager

May 24, 2004

GROUNDWATER MONITORING REPORT
Second Quarter, 2004

807 75th Avenue
Oakland, California

Project No. 3190

Prepared For

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

Prepared By

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

AEI

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May 24, 2004

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

Subject: **Quarterly Groundwater Monitoring Report**
Second Quarter 2004
807 75th Avenue
Oakland, California
Project No. 3190

Dear Mr. Kanady:

AEI Consultants (AEI) has prepared this report to document the results of the Second Quarter 2004 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 previous location of 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.

On September 15, 1996, AEI removed three 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 in Figure 2. Five soil samples and one groundwater sample 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 up to 4,300 mg/kg, 13 mg/kg, and 25 mg/kg, respectively in soil samples. The excavation was not backfilled. Soil removed from the excavation was stockpiled on the northern portion of the property. In 1999 soil samples collected from the stockpiled soil contained non-detectable to minor concentrations of TPH-g. Mr. Barney Chan of the ACHCSA approved the stockpiled soil for reuse in the excavation.

In October 1997, soil and groundwater samples were collected from six soil borings (BH-1 through BH-6). In June 1999, four 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 under an East Bay Municipal Utility District permit to the sanitary sewer system.

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. Groundwater samples were collected from both aquifers. The analysis of water samples from the second aquifer found that hydrocarbons had impacted that aquifer.

Summary of Activities

AEI conducted quarterly groundwater monitoring of four monitoring wells (MW-1, MW-2, MW-3 and MW-4) and the one temporary backfill extraction well (TW-5) on April 15, 2004. Prior to measuring depth to water measurements, the caps were removed from the top of all wells and the water level allowed to equilibrate with atmospheric pressure for at least 15 minutes. 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 well volumes were removed from each well. Temperature, pH, specific conductivity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) were measured and the turbidity was visually noted during the purging of the wells.

Once the groundwater parameters stabilized, and following recovery of water levels, water samples were collected from each well. Sample waters 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 vials. 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 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

Hydrocarbon odor was detected in wells MW-1, MW-2, MW-3 and TW-5. Groundwater levels for this sampling episode ranged from -0.07 to -0.14 feet relative to mean sea level (msl). These elevations are an average of 0.48 feet higher than at the time of the previous quarterly monitoring event. Groundwater flow direction was estimated to be to the south with a hydraulic gradient of 0.014 ft/ft. The hydraulic gradient is an increase over the previous quarters gradient of 0.001 ft/ft. The temporary extraction well, TW-5, is not included in calculating the groundwater direction flow or the hydraulic gradient due to variation in well construction and its location on the backfilled tank excavation.

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 concentration increased in wells MW-1, MW-4, and TW-5. TPH-g concentration decreased in wells MW-2 and MW-3. TPH-d concentrations increased in wells MW-1, MW-2, MW-4, and TW-5, but decreased in well MW-3. MTBE has not been detected above laboratory reporting limits in any of the wells sampled since the September 19, 2001 monitoring event. Benzene concentrations increased in wells MW-1, MW-2, and MW-4. Benzene concentrations decreased in wells MW-3 and TW-5. TPH-mo decreased in well TW-5. No detectable levels of TPH-mo were found in monitoring wells MW-1 through MW-4.

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

Conclusions

Concentrations of TPH-g and benzene have shown seasonal fluctuations in all wells as groundwater levels rise and fall. During this monitoring period, concentrations of TPH-d in wells MW-1, MW-2, MW-3, and MW-4 were significantly lower than the concentrations of TPH-d in TW-5. This has been the case over the last several years of monitoring.

Groundwater monitoring and sampling of the five wells will continue, with the next episode scheduled for July 2004.

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 me if you have any questions regarding the findings outlined in this report.

Sincerely,
AEI Consultants

Robert F. Flory, RG
Project Manager

Peter J. McIntyre
Program Manager

cc: Mr. Amir Gholami
ACHCSA
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

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, prepared by AEI-July 28, 2000.
6. Quarterly Groundwater Monitoring and Sampling Report, prepared by AEI-November 3, 2000.
7. Quarterly Groundwater Monitoring and Sampling Report, prepared by AEI-February 7, 2001.
8. Quarterly Groundwater Monitoring and Sampling Report, prepared by AEI-July 2, 2001.
9. Quarterly Groundwater Monitoring and Sampling Report, prepared by AEI-February 20, 2002.
10. Quarterly Groundwater Monitoring and Sampling Report, prepared by AEI-June 21, 2002.
11. Quarterly Groundwater Monitoring and Sampling Report, prepared by AEI-October 14, 2002.
12. Quarterly Groundwater Monitoring and Sampling Report, 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.

Figures

Figure 1	Site Location Map
Figure 2	Site Map
Figure 3	Groundwater Analytical Data
Figure 4	Groundwater Gradient

Tables

Table 1	Well Construction Details
Table 2	Historical Groundwater Elevations
Table 3	Historical Groundwater Analytical Results

Appendix A Groundwater Monitoring Well Field Sampling Forms

Appendix B Laboratory Reports With Chain of Custody Documentation

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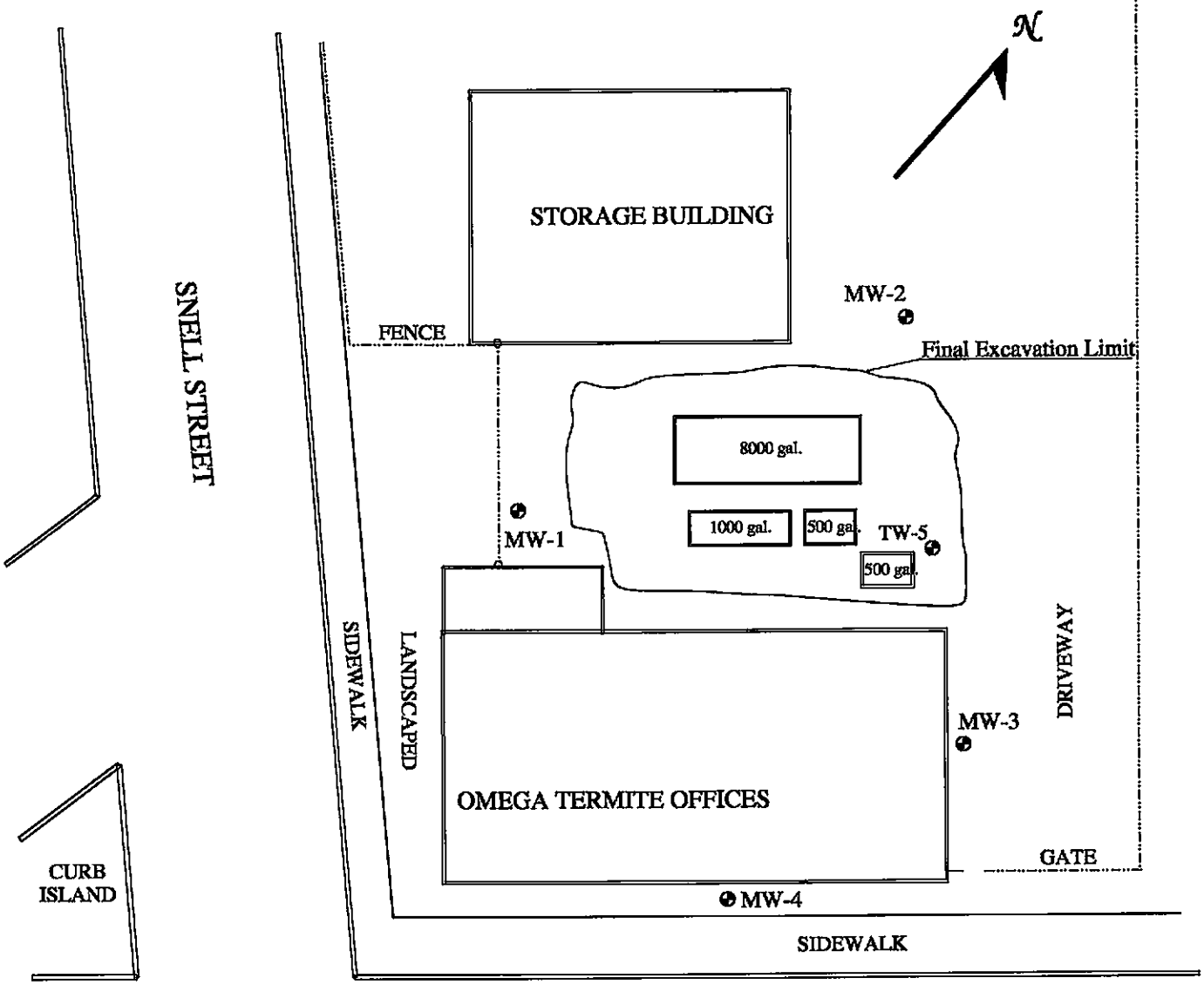
AEI CONSULTANTS 2500 CAMINO DIABLO, STE 200, WALNUT CREEK, CA	
SITE LOCATION MAP	
807 75th AVENUE OAKLAND, CALIFORNIA	**FIGURE 1** PROJECT NO. 3190



LEGEND

Base Drafted: R Flory 1/23/04

0' 10' 20'

SCALE: 1in = 20 ft

● MONITORING WELL LOCATIONS

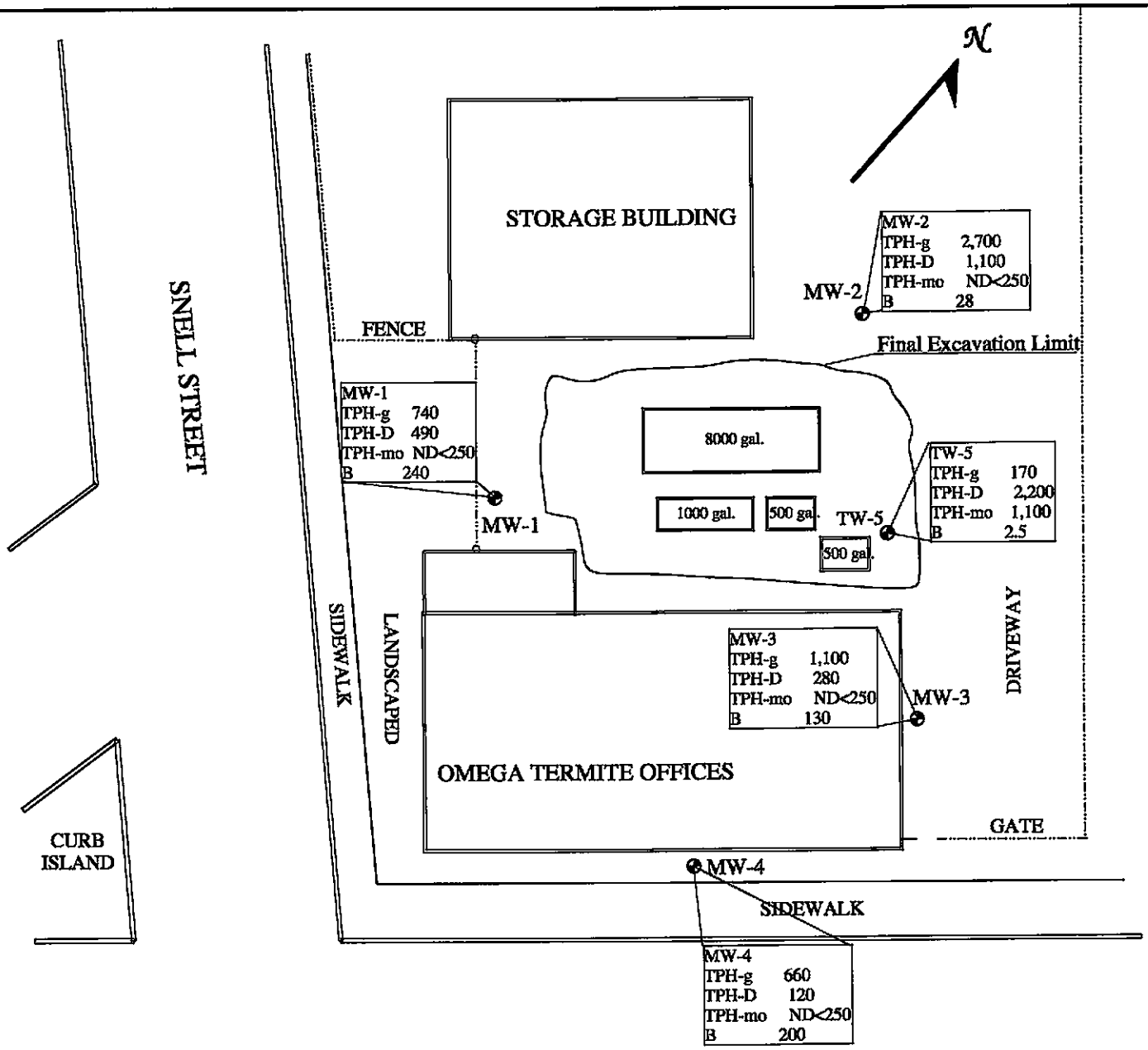
AEI CONSULTANTS

2500 CAMINO DIABLO, STE. 100, WALNUT CREEK, CA

SITE MAP

807 75th AVENUE
OAKLAND, CALIFORNIA

FIGURE 2
Project No. 3190



LEGEND

0' 10' 20'

SCALE: 1in = 20 ft

Base Drafted: R Flory 1/23/04

⊕ MONITORING WELL LOCATIONS with concentrations in ug/L on 4/15/04

TPH-g - Total Petroleum Hydrocarbons as gasoline
TPH-d - Total Petroleum Hydrocarbons as diesel
TPH-mo - Total Petroleum Hydrocarbons as motor oil
B - benzene

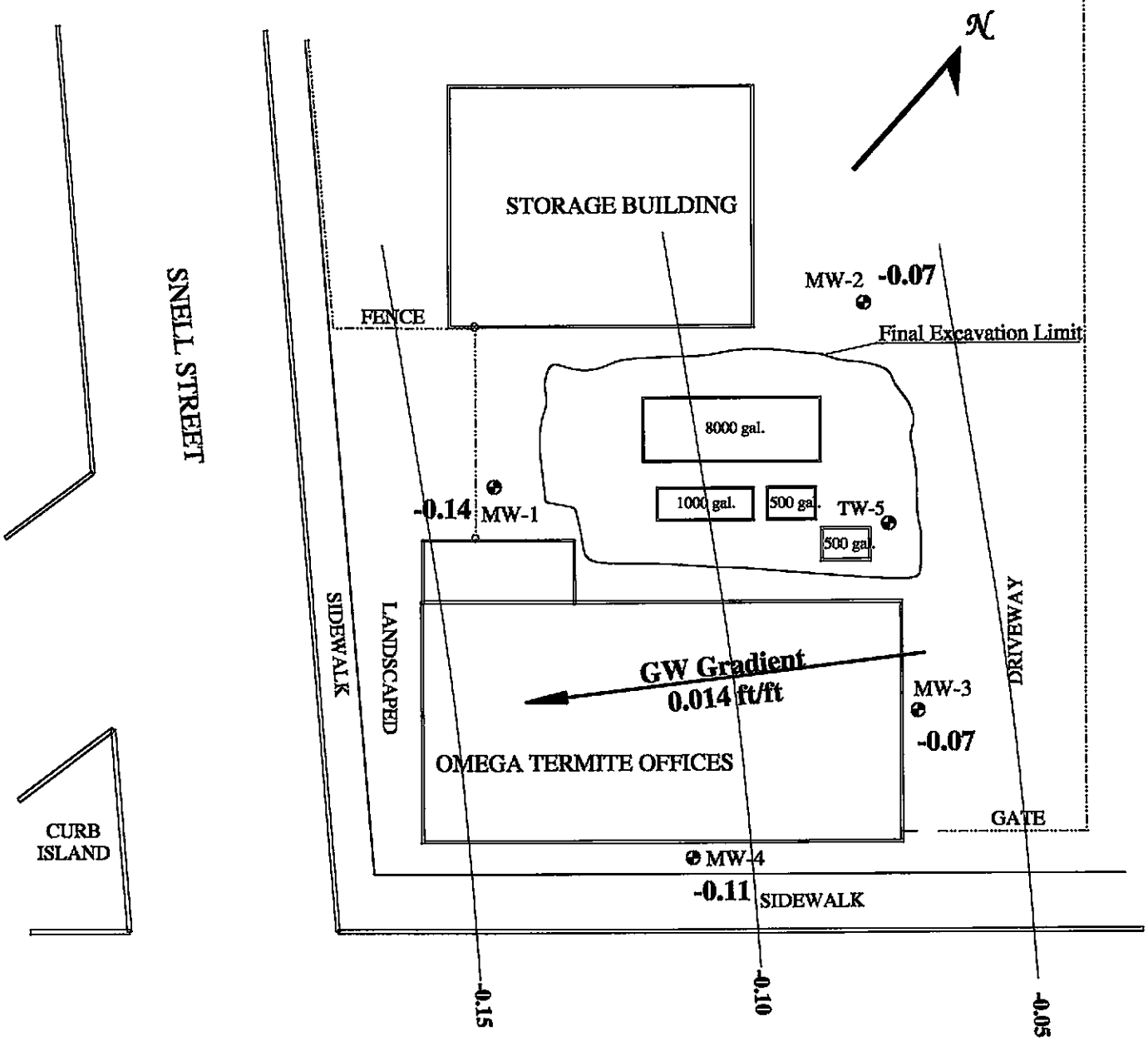
AEI CONSULTANTS

2500 CAMINO DIABLO, STE. 100, WALNUT CREEK, CA

Groundwater Analytical Data

807 75th AVENUE
OAKLAND, CALIFORNIA

FIGURE
3
Project No. 3190



LEGEND

0' 10' 20'

SCALE: 1in = 20 ft

Base Drafted: R Flory 1/23/04

MONITORING WELL LOCATIONS with GW elevations/Casing elevations

-0.60 GW Contours feet MSL

AEI CONSULTANTS

2500 CAMINO DIABLO, STE. 100, WALNUT CREEK, CA

Groundwater Gradient - 4/15/04

807 75th AVENUE
OAKLAND, CALIFORNIA

FIGURE
4
Project No. 3190

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

Well ID	Date Installed	Top of Casing (feet)	Water Dep[th 10/14/03	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	5.03	PVC	20	20	8 1/4	2	20.0-5.0	0.02	5.0.4.5	#3 sand	4.5-3.5	3.5-0.5
MW-2	06/25/99	5.95	6.43	PVC	20	20	8 1/4	2	20.0-5.0	0.02	5.0.4.5	#3 sand	4.5-3.5	3.5-0.5
MW-3	06/25/99	4.66	5.16	PVC	20	20	8 1/4	2	20.0-5.0	0.02	5.0.4.5	#3 sand	4.5-3.5	3.5-0.5
MW-4	06/25/99	4.59	5.25	PVC	20	20	8 1/4	2	20.0-5.0	0.02	5.0.4.5	#3 sand	4.5-3.5	3.5-0.5
TW-5	Mar. 2000	NS	6.08	PVC	10	10	NA	4	10.0-5.0	drilled	NA	NA	NA	2.0

Table 2 - Groundwater Elevations, Omega Termite, 807 75th Ave., Oakland, CA

Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft)	Groundwater Elevation (ft amsl)
MW-1	07/30/99	5.00	5.82	-0.82
	11/09/99	5.00	5.70	-0.70
	02/23/00	5.00	2.84	2.16
	05/26/00	5.00	5.50	-0.50
	10/10/00	5.00	5.70	-0.70
	02/07/01	5.00	5.25	-0.25
	05/25/01	5.00	5.25	-0.25
	09/19/01	5.00	5.51	-0.51
	02/06/02	NS	NS	NS
	05/17/02	5.00	5.30	-0.30
	08/20/02	5.00	5.39	-0.39
	01/10/03	5.00	4.11	0.89
	04/14/03	5.00	4.85	0.15
	07/14/03	5.00	5.08	-0.08
	10/14/03	5.00	5.63	-0.63
	01/13/04	5.00	4.53	0.47
	04/15/04	**5.00**	**5.14**	**-0.14**
MW-2	07/30/99	5.95	6.64	-0.69
	11/09/99	5.95	6.42	-0.47
	02/23/00	5.95	3.31	2.64
	05/26/00	5.95	6.34	-0.39
	10/10/00	5.95	6.52	-0.57
	02/07/01	5.95	5.90	0.05
	05/25/01	5.95	6.08	-0.13
	09/19/01	5.95	6.53	-0.58
	02/06/02	5.95	5.72	0.23
	05/17/02	5.95	6.17	-0.22
	08/20/02	5.95	NS	NS
	01/10/03	5.95	5.12	0.83
	04/14/03	5.95	4.98	0.97
	07/14/03	5.95	5.99	-0.04
	10/14/03	5.95	6.43	-0.48
	01/13/04	5.95	5.42	0.53
	04/15/04	**5.95**	**6.02**	**-0.07**
MW-3	07/30/99	4.66	5.35	-0.69
	11/09/99	4.66	5.11	-0.45
	02/23/00	4.66	2.37	2.29
	05/26/00	4.66	4.98	-0.32
	10/10/00	4.66	5.24	-0.58
	02/07/01	4.66	4.73	-0.07
	05/25/01	4.66	4.73	-0.07
	09/19/01	4.66	5.07	-0.41
	02/06/02	4.66	4.69	-0.03
	05/17/02	4.66	4.80	-0.14
	08/20/02	4.66	4.97	-0.31
	01/10/03	4.66	3.59	1.07
	04/14/03	4.66	5.40	-0.74
	07/14/03	4.66	4.69	-0.03
	10/14/03	4.66	5.16	-0.50
	01/13/04	4.66	4.15	0.51
	04/15/04	**4.66**	**4.73**	**-0.07**

Table 2 - Groundwater Elevations, Omega Termite, 807 75th Ave., Oakland, CA

Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft)	Groundwater Elevation (ft amsl)
MW-4	07/30/99	4.59	5.45	-0.86
	11/09/99	4.59	5.31	-0.72
	02/23/00	4.59	2.72	1.87
	05/26/00	4.59	5.07	-0.48
	10/10/00	4.59	5.32	-0.73
	02/07/01	4.59	4.73	-0.14
	05/25/01	4.59	4.90	-0.31
	09/19/01	4.59	5.16	-0.57
	02/06/02	4.59	4.65	-0.06
	05/17/02	4.59	4.90	-0.31
	08/20/02	4.59	5.02	-0.43
	01/10/03	4.59	3.78	0.81
	04/14/03	4.59	4.11	0.48
	07/14/03	4.59	4.75	-0.16
	10/14/03	4.59	5.28	-0.69
	01/13/04	4.59	4.07	0.52
	04/15/04	**4.59**	**4.70**	**-0.11**
TW-5	09/19/01	ns	6.59	na
	05/17/02	ns	6.56	na
	08/20/02	ns	6.62	na
	01/10/03	ns	4.66	na
	04/14/03	ns	5.30	na
	07/14/03	ns	5.84	na
	07/14/03	ns	5.84	na
	10/14/03	ns	6.08	na
	01/13/04	ns	4.83	na
	04/15/04	**ns**	**5.64**	**na**

Depth to water measured from the top of well casing
ft amsl = feet above mean sea level
ns - TW-5 Not surveyed
na - not available

Table 1 - Groundwater Elevations, 807 75th Ave., Oakland, CA

Episode	Date	Average Water Table Elevation (ft amsl)	Water Table Elevation Change (ft)	Hydraulic Gradient/ Flow Direction (ft/ft)
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	-0.98	.0017 / S-SE
15	10/14/03	-0.58	-0.79	.003 / SE
16	01/13/04	0.51	0.59	.001 / W
17	**04/15/04**	**-0.10**	**0.48**	**.001 / W**

Table 3 Historical Groundwater Analyses, Omega Termite, 807 75th Ave., Oakland, CA

Sample ID	Sample Collection Date	Water depth	GW elevation	TPH-g µg/L	TPH-d µg/L	TPHmo µg/L	MTBE µg/L	Benzene µg/L	Toluene µg/L	Ethyl benzene µg/L	Xylenes µg/L
MW-1	07/30/99	5.82	-0.82	2,700	---	---	ND<10	920	5.5	18	130
	11/09/99	5.70	-0.70	1,800	---	---	ND<20	430	1.5	26	60
	02/23/00	2.84	2.16	3,800	---	---	ND<10	1,500	56	78	35
	05/26/00	5.50	-0.50	7,100	---	---	ND<10	2,800	70	220	81
	10/10/00	5.70	-0.70	980	---	---	ND<5.0	260	2.9	10	11
	02/07/01	5.25	-0.25	570	---	---	ND<5.0	150	1.8	4.9	9.3
	05/25/01	5.25	-0.25	18,000	---	---	ND<100	3,800	350	550	620
	09/19/01	5.51	-0.51	840	---	---	ND<5.0	190	4.0	4.6	5.3
	02/06/02	NS	NS	---	---	---	---	---	---	---	---
	05/17/02	5.30	-0.30	13,000	920	---	ND<50/<5.0[1]	4,500	29	50	58
	08/20/02	5.39	-0.39	2,100	740	ND<5000[2]	ND<15	820	4.5	6.4	9.6
	01/10/03	4.11	0.89	95	260	ND<5000[2]	ND<5.0	23	0.66	3.9	6.5
	04/14/03	4.85	0.15	340	310	---	ND<5.0	87	1.3	4.3	5.6
	07/14/03	5.08	-0.08	750	700	---	ND<10	420	0.84	3.7	6.0
	10/14/03	5.63	-0.63	200	990[3]	460.0	ND<5.0	62	0.83	2.2	2.7
	01/13/04	4.53	0.47	510[4]	440[6]	ND<250	ND<5.0	190	1.7	11	18.0
	04/15/04	**5.14**	**-0.14**	**740[4]**	**490[6]**	**ND<250**	**ND<10**	**240**	**ND<0.5**	**5.0**	**9.6**
MW-2	07/30/99	6.64	-0.69	1,200	---	---	ND<10	29	2.5	51	100
	11/09/99	6.42	-0.47	1,300	---	---	ND<30	26	1.1	55	32
	02/23/00	3.31	2.64	5,000	---	---	ND<10	200	18	390	440
	05/26/00	6.34	-0.39	2,700	---	---	ND<10	69	13	83	68
	10/10/00	6.52	-0.57	810	---	---	ND<10	17	4.7	42	46
	02/07/01	5.90	0.05	2,600	---	---	ND<10	70	15	80	100
	05/25/01	6.08	-0.13	2,400	---	---	ND<5.0	75	16	85	100
	09/19/01	6.53	-0.58	1,200	---	---	ND<5.0	10	8.5	46	55
	02/06/02	5.72	0.23	1,800	---	---	ND<50	14	11	58	59
	05/17/02	6.17	-0.22	2,000	860	---	ND<20/8.1[1]	19	1.1	0.75	88
	08/20/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/10/03	5.12	0.83	2,000	910	ND<5000[2]	ND<50	11	11	96	100
	04/14/03	4.98	0.97	2,400	800	-	ND<10	16	10	100	73
	07/14/03	5.99	-0.04	1,900	970	-	ND<15	18	4.8	79	78
	10/14/03	6.43	-0.48	1,600[5,6]	1,300	ND<250	ND<10	14	5.9	87	78
	01/13/04	5.72	0.23	2,900[4]	960[5,6]	ND<250	ND<50	26	13	190	150
	04/15/04	**6.02**	-0.07	**2,700[4]**	**1,100[5,6]**	**ND<250**	**ND<15**	**28**	**11**	**120**	**100**

Table 3 Historical Groundwater Analyses, Omega Termite, 807 75th Ave., Oakland, CA

Sample ID	Sample Collection Date	Water depth	GW elevation	TPH-g µg/L	TPH-d µg/L	TPHmo µg/L	MTBE µg/L	Benzene µg/L	Toluene µg/L	Ethyl benzene µg/L	Xylenes µg/L
MW-3	07/30/99	5.35	-0.69	2,700	---	---	ND<10	220	15	130	230
	11/09/99	5.11	-0.45	3,100	---	---	15	440	8.8	150	96
	02/23/00	2.37	2.29	1,800	---	---	ND<15	180	11	82	79
	05/26/00	4.98	-0.32	1,600	---	---	6.4	140	10	69	63
	10/10/00	5.24	-0.58	1,100	---	---	ND<10	110	4.4	63	51
	02/07/01	4.73	-0.07	1,100	---	---	ND<10	130	5.1	68	65
	05/25/01	4.73	-0.07	1,200	---	---	ND<6.0	120	5.4	69	64
	09/19/01	5.07	-0.41	800	---	---	<5.0	78	3.5	52	37
	02/06/02	4.69	-0.03	1,100	---	---	ND<10	130	4.7	77	71
	05/17/02	4.80	-0.14	2,800	810	---	ND<50/2.0[1]	410	23	160	210
	08/20/02	4.97	-0.31	780	270	ND<5000[2]	ND<10	110	2.8	63	41
	01/10/03	3.59	1.07	1,100	510	ND<5000[2]	ND<20	160	3.4	98	84
	04/14/03	5.40	-0.74	690	230	-	ND<5.0	60	2.3	44	34
	07/14/03	4.69	-0.03	900	380	-	ND<5.0	130	2.0	70	43
	10/14/03	5.16	-0.50	500	200[5,6]	ND<250	ND<10	50	2.3	37	18
	01/13/04	4.15	0.51	1500[4]	400[6]	ND<250	ND<30	200	6.2	120	88
	04/15/04	**4.73**	**-0.07**	**1,100[4]**	**280[6]**	**ND<250**	**ND<15**	**130**	**3.7**	**75**	**53**
MW-4	07/30/99	5.45	-0.86	340	---	---	ND<10	57	2.2	8.5	6.8
	11/09/99	5.31	-0.72	1,000	---	---	ND<10	220	<0.5	17	7.1
	02/23/00	2.72	1.87	980	---	---	ND<5.0	260	7	33	27
	05/26/00	5.07	-0.48	760	---	---	5.7	170	4.8	22	13
	10/10/00	5.32	-0.73	520	---	---	ND<10	130	2.3	22	10
	02/07/01	4.73	-0.14	680	---	---	ND<8.0	180	3.7	29	21
	05/25/01	4.90	-0.31	1,700	---	---	ND<10	510	9.6	44	46
	09/19/01	5.16	-0.57	680	---	---	ND<10	200	2.6	33	12
	02/06/02	4.65	-0.06	710	---	---	ND<15	220	2.8	40	21
	05/17/02	4.90	-0.31	1,300	190	---	ND<5.0/3.3[1]	330	5.6	61	51
	08/20/02	5.02	-0.43	580	120	ND<5000[2]	ND<5.0	160	1.7	34	13
	01/10/03	3.78	0.81	800	85	ND<5000[2]	ND<20	240	2.5	46	28
	04/14/03	4.11	0.48	850	120	---	ND<10	220	2.7	47	26
	07/14/03	4.75	-0.16	780	170	---	ND<20	220	1.4	44	23
	10/14/03	5.25	-0.66	420	110[5,6]	ND<250	ND<5.0	120	0.95	31	8.2
	01/13/04	4.07	0.52	120[4]	69[6]	ND<250	ND<10	30	0.52	8.1	4.7
	04/15/04	**4.70**	**-0.11**	**660[4]**	**120[6]**	**ND<250**	**ND<25**	**200**	**2.2**	**39**	**24**

Table 3 Historical Groundwater Analyses, Omega Termite, 807 75th Ave., Oakland, CA

Sample ID	Sample Collection Date	Water depth	GW elevation	TPH-g µg/L	TPH-d µg/L	TPHmo µg/L	MTBE µg/L	Benzene µg/L	Toluene µg/L	Ethyl benzene 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	na	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	na	480	41,000	---	ND<5.0/<5.0[1]	1.6	1.1	0.8	ND<0.5
	08/20/02	6.62	na	240	21,000	ND<5000[2]	ND<5.0	8.0	1.2	1.1	0.54
	01/10/03	4.66	na	ND<50	1,300	ND<5000[2]	ND<5.0	5.4	0.58	ND<0.5	1.10
	4/14/2003	5.30	na	160	2,300	---	ND<5.0	18	5.7	5.9	16
	7/14/2003	5.84	na	100	16,000	---	ND<5.0	1.2	0.77	0.63	1.2
	10/14/03	6.08	na	120[7]	10,000[7]	4,600	ND<5.0	1.6	1.6	ND<0.5	1.2
	01/13/04	4.83	na	110[4]	2,100	1,400	ND<5.0	8.4	1.2	ND<0.5	3.9
	04/15/04	**564**	**na**	**170[4]**	**2,200**	**1,100**	**ND<5.0**	**2.5**	**1.2**	**ND<0.5**	**5.1**

Notes

mg/L	micrograms per liter (parts per billion)
---	not sampled
ND	not detected
TPH-g	total petroleum hydrocarbons as gasoline
TPH-d	total petroleum hydrocarbons as diesel
TPH-mo	total petroleum hydrocarbons as motor oil

1	MTBE concentrations by methods 8021B/8260B
2	analysis for total oil and grease by method 5520
3	fuel oil
4	unmodified or weakly modified gasoline is significant
5	diesel range compounds are significant; no recognizable pattern
6	gasoline range compounds are significant
7	lighter than water immiscible sheen/product is present

APPENDIX A

Groundwater 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:	4/15/2004
Job Number:	3190	Name of Sampler:	AN
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)	5.14		
Water Elevation (feet above msl)	-0.14		
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)	9.0		
Appearance of Purge Water	light grey		
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
	3	17.35	6.92	1041	9.24	-93.9	
	6	17.18	6.80	1056	0.56	-133.7	
	9	17.32	6.81	1115	0.55	-142.7	

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

Initially dark and strong hydrocarbon odor.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-2

Project Name:	Omega Termite	Date of Sampling:	4/15/2004
Job Number:	3190	Name of Sampler:	AN
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)	6.02		
Water Elevation (feet above msl)	-0.07		
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)	**6.7**		
Actual Volume Purged (gallons)	8.0		
Appearance of Purge Water	clear up at 2 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	17.78	7.07	1277	0.54	-166.5	
	4	17.70	7.06	1283	0.54	-168.1	
	6	17.82	7.02	1252	0.54	-176.9	
	8	17.88	7.00	1246	0.54	-178.3	

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

Initially light grey and strong hydrocarbon odor

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-3

Project Name:	Omega Termite	Date of Sampling:	4/15/2004
Job Number:	3190	Name of Sampler:	AN
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)	4.66		
Depth of Well	20.00		
Depth to Water (from top of casing)	4.73		
Water Elevation (feet above msl)	-0.07		
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)	**7.3**		
Actual Volume Purged (gallons)	9.0		
Appearance of Purge Water	clear at 3.5 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
	3	17.37	7.01	1598	0.55	-125.2	
	6	17.04	6.88	1596	0.51	94.8	
	9	17.28	6.97	1594	0.56	-77.8	

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

Initially brown and no hydrocarbon odor

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-4

Project Name:	Omega Termite	Date of Sampling:	4/15/2004
Job Number:	3190	Name of Sampler:	AN
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)	4.70		
Water Elevation (feet above msl)	-0.11		
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)	**7.3**		
Actual Volume Purged (gallons)	9.0		
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
	3	18.01	7.11	1670	0.53	264.6	
	6	17.82	6.97	1607	0.54	337.8	
	9	18.05	6.93	1645	0.53	325.8	

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

No hydrocarbon odor

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: TW-5

Project Name:	Omega Termite	Date of Sampling:	4/15/2004
Job Number:	3190	Name of Sampler:	AN
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)	5.64		
Water Elevation (feet above msl)			
Well Volumes Purged	3		
Caculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**8.5**		
Actual Volume Purged (gallons)	10.0		
Appearance of Purge Water	clear at 1.5 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	17.27	7.24	986	0.56	-114.1	
	4	17.31	7.43	983	0.55	-132.2	
	6	17.35	7.19	985	0.55	-141.9	
	8	17.38	7.06	986	0.55	-153.3	
	10	17.39	7.10	986	0.55	-160.8	

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

Initially dark grey and slight hydrocarbon odor

APPENDIX B

Laboratory Analyses
With
Chain of Custody Documentation

McCampbell Analytical, Inc.

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

All Environmental, Inc. 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #3190; Omega Termite	Date Sampled: 04/15/04
		Date Received: 04/15/04
	Client Contact: Robert Flory	Date Reported: 04/21/04
	Client P.O.:	Date Completed: 04/21/04

WorkOrder: 0404217

April 21, 2004

Dear Robert:

Enclosed are:

1). the results of **5** analyzed samples from your **#3190; Omega Termite project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

All Environmental, Inc.	Client Project ID: #3190; Omega Termite	Date Sampled: 04/15/04
2500 Camino Diablo, Ste. #200		Date Received: 04/15/04
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Extracted: 04/16/04-04/20/04
	Client P.O.:	Date Analyzed: 04/16/04-04/20/04

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0404217

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	740,a	ND<10	240	ND	5.0	9.6	1	96.1
002A	MW-2	W	2700,a	ND<15	28	11	120	100	1	112
003A	MW-3	W	1100,a	ND<15	130	3.7	75	53	2	109
004A	MW-4	W	660,a	ND<25	200	2.2	39	24	1	102
005A	TW-5	W	170,a	ND	2.5	1.2	ND	5.1	1	123
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 McCampbell 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 ~2 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.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

All Environmental, Inc.	Client Project ID: #3190; Omega Termite	Date Sampled: 04/15/04
2500 Camino Diablo, Ste. #200		Date Received: 04/15/04
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Extracted: 04/15/04
	Client P.O.:	Date Analyzed: 04/18/04-04/20/04

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

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0404217

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0404217-001B	MW-1	W	490,a	ND	1	101
0404217-002B	MW-2	W	1100,d,b	ND	1	103
0404217-003B	MW-3	W	280,d,b	ND	1	104
0404217-004B	MW-4	W	120,d,b	ND	1	105
0404217-005B	TW-5	W	2200,a	1100	1	101

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 McCampbell 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 (automatic transmission fluid); 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 ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0404217

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 11121 Spiked Sample ID: 0404210-004B

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	103	99.7	3.35	106	102	3.77	70	130
MTBE	ND	10	101	96.2	4.51	102	100	1.85	70	130
Benzene	ND	10	108	110	2.32	101	106	5.41	70	130
Toluene	ND	10	101	102	1.39	85.8	91.1	5.99	70	130
Ethylbenzene	ND	10	107	96.5	10.4	106	111	5.12	70	130
Xylenes	ND	30	95.7	96.7	1.04	96	100	4.08	70	130
%SS:	103	10	107	106	0.712	98.3	103	4.31	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

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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0404217

EPA Method: SW8015C Extraction: SW3510C BatchID: 11131 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	96.1	100	4.27	70	130
%SS:	N/A	2500	N/A	N/A	N/A	95.6	98.1	2.66	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

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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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.

DHS Certification No. 1644

QA/QC Officer

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0404217 **ClientID: AEL**

Report to:
Robert Flory
All Environmental, Inc.
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
TEL: (925) 283-6000
FAX: (925) 283-6121
ProjectNo: #3190; Omega Termite
PO:

Bill to:
Lesliegh Alderman
All Environmental, Inc.
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597

Requested TAT: 5 days
Date Received: 4/15/04
Date Printed: 4/15/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0404217-001	MW-1	Water	4/15/04	☐	A	A	B												
0404217-002	MW-2	Water	4/15/04	☐	A		B												
0404217-003	MW-3	Water	4/15/04	☐	A		B												
0404217-004	MW-4	Water	4/15/04	☐	A		B												
0404217-005	TW-5	Water	4/15/04	☐	A		B												

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3	TPH(DMO)_W	4		5	
6		7		8		9		10	
11		12		13		14		15	

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.

040214

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY
EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Robert Flory	**Bill To:**
Company: AEI Consultants	AEI Consultants
2500 Camino Diablo, Suite 200	
	E-Mail: rflory@aeiconsultants.com
Tele: (925) 944-2899 ext. 122	**Fax:** (925) 944-2895
Project #: [redacted] 3190	**Project Name:** Omega Termite
Project Location: 807 75th Ave Oakland	
Sampler Signature: Adrien Nieto	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other
MW-1		4/15	Pm	4	V/L	X					X			
MW-2			Pm			X					X			
MW-3						X					X			
MW-4						X					X			
TW-5						X					X			

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010 basic list by 8012B	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 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) Toatal lead	RCI
X														
X														
X														
X														
X														

Other: TPH multi-range EPA 8015

Comments:

Relinquished By:	Date:	Time:	Received By:
Adrien Nieto	4/15	2:40	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓ VOAS ✓ O&G | METALS | OTHER
GOOD CONDITION ✓ PRESERVATION ✓
HEAD SPACE ABSENT ✓ APPROPRIATE
DECHLORINATED IN LAB ____ CONTAINERS ✓
PERSERVED IN LAB ____