■ ADVANCED ENVIRONMENTAL CONCEPTS INC ■

September 11, 2001

SEP 18 2001

Mr. Don Hwang
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Regarding: July 2001 Quarterly Groundwater Sampling Report
Former Vogue Tyres Facility
240 West MacArthur Boulevard
Oakland, California

Dear Mr. Hwang,

Please find enclosed the July 2001 Quarterly Groundwater Sampling Report prepared by **Advanced Environmental Concepts, Inc.** (AEC) for the above referenced project/location.

Enclosed please find that report which AEC is submitting for your review.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (661) 831-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

Debbie Irwin
Office Administrator

Attachments: Reports (1)

cc: Mr. Warren Dodson

August 31, 2001

■ ADVANCED ENVIRONMENTAL CONCEPTS INC ■

Mr. Warren Dodson
Dodson Ltd.
1323 South Flower Street
Los Angeles, California 90015

SEP 18 2001

Regarding: **July 2001 Quarterly Groundwater Sampling Report**
Former Vogue Tyres Facility
240 West MacArthur Boulevard
Oakland, California

Dear Mr. Dodson:

Advanced Environmental Concepts, Inc. (AEC) is pleased to present this report of groundwater sampling performed at the former Vogue Tyres facility, 240 West MacArthur Boulevard, Oakland, California (**Attachment A, Figure 1**).

Background

The Gulf Service Station originally operated three 10,000 gallon gasoline underground storage tanks (USTs), and one 350 gallon waste oil UST. Historical records indicate that the Gulf station existed since at least 1950. The current location of the Shell Service Station, located adjacent to, and south of the subject site was a fueling station since at least 1952. The three Gulf gasoline USTs were located at the northern portion of the property, (underneath the current building), and the waste oil UST was west of the service bays. The two pump islands were west of the northern portion of the existing building. The 350 gallon waste oil UST was removed in October 1996 by All Environmental, Inc (AEI).

On October 3, 1996, AEI removed the previously identified 350 gallon waste oil UST located west of the service bays. Visual staining of waste oil range hydrocarbons was identified on the floor and sidewalls of the excavation. Confirmation soil samples collected from the excavation indicated that soil beneath the former UST emplacement were impacted with minor concentrations of petroleum hydrocarbons. At the request of ACHCS, AEI expanded the size of the excavation, then collected additional confirmation soil samples which indicated the successful removal of the contamination. Groundwater was not encountered during this excavation phase, however, due to the estimated proximity of the contamination to groundwater, a subsurface investigation was required by the County.

On January 8, 1997, AEI conducted a subsurface investigation consisting of six borings using a Geoprobe. Borings BH-1, BH-2, BH-4, and BH-6 were advanced to 20 feet below grade level (BGL), and BH-3 and BH-5 were probed to 16 feet BGL. Soil samples were collected at intervals of 5 feet, and "grab" groundwater samples were collected from inside the borings. Groundwater was identified at approximately 16 feet BGL.

The soil samples were analyzed in accordance with California Department of Health Services (CA DHS) method for total petroleum hydrocarbons as gasoline and diesel (TPH-g,d) and EPA Method 8020 for volatile aromatics (BTXE), and methyl tertiary butyl ether (MTBE). The soil samples were also analyzed for total lead, oil and grease, and poly nuclear aromatics (PNAs). Results of the laboratory analyses are summarized below. Units are in milligrams per kilograms (mg/kg) which are equivalent to parts per million (ppm). Results of these analyses are listed in **Table 1**.

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TABLE 1
Analytical Results of Soil Samples
January 10, 1997

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
BH-1-15'	ND	ND	ND	ND	ND	ND
BH-2-15'	ND	ND	ND	ND	ND	ND
BH-3-15'	ND	ND	ND	ND	ND	ND
BH-4-15'	370	1100	ND	ND	14	4.4
BH-5-15'	1.9	2.1	0.009	0.006	0.016	ND
BH-6-15'	140	190	0.25	0.5	3.6	0.84
Detection Limits		1.0	0.005	0.005	0.005	0.005

ND: Non-detected at indicated level of detection.

Total lead concentrations ranged from 4.6 mg/kg to 23 mg/kg which is below the recommended action level of 50 mg/kg. MTBE was non-detect for all samples analyzed, oil and grease were only run on BH-2 and BH-3 and was less than 50 mg/kg, and the PNAs exhibited trace concentrations ranging between 1.1 and 41 μg/kg.

The groundwater samples were analyzed in accordance with California Department of Health Services (CA DHS) method for total petroleum hydrocarbons as gasoline and diesel (TPH-g,d) and EPA Method 8020 for volatile aromatics (BTXE), and methyl tertiary butyl ether (MTBE). Groundwater samples were also analyzed for total lead, oil and grease, and poly nuclear aromatics (PNAs). Results of the laboratory analyses are summarized below. Units are in micrograms per Liter (μg/L) which are equivalent to parts per billion (ppb). Results of these analyses are listed in **Table 2**.

TABLE 2
Analytical Results of Groundwater Samples
January 10, 1997

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
BH1W	490	330	2.0	0.72	1.3	ND
BH2W	320	ND	ND	ND	ND	ND
BH4W	NA	6600	58	13	2740	110
BH6W	450	13,000	870	65	570	130
Detection Limits		1.0	0.005	0.005	0.005	0.005

ND: Non-detected at indicated level of detection.
NA: Not analyzed

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Soluble lead concentrations were below detection limits, MTBE ranged from below detection limits to 320 ug/L in BH6W, oil and grease were only run on BH2W and was less than 5 mg/L, and the PNAs exhibited non detectable concentrations.

On August 7, 1997, AEC supervised the drilling of three Geoprobe soil borings (BH-7, BH-8, and BH-9), and installation of four groundwater monitoring wells (MW-1, MW-2, MW-3, and MW-4) proximal to the western dispenser islands, and south, west, and north of the former UST emplacement. The investigative groundwater wells and Geoprobe borings were positioned to assess the vertical and lateral migration of hydrocarbons in the subsurface and to evaluate groundwater quality.

Soil analyses were performed by Associated Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods 8015M and 8020. Analytical results for soil samples are presented in **Table 3**. Units are in milligrams per kilogram (mg/kg) which are equivalent to parts per million (ppm).

TABLE 3
Analytical Results - Soil Borings
August 7, 1997
(ppm)

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
BH-7-12'	ND	ND	ND	ND	ND	ND
BH-7-16'	ND	ND	ND	ND	ND	ND
BH-8-8'	ND	ND	ND	ND	ND	ND
BH-8-12'	ND	168	0.02	ND	5.1	0.45
BH-8-16'	ND	21	0.027	0.07	0.75	ND
BH-9-8'	ND	ND	ND	0.032	0.28	0.029
BH-9-12'	ND	ND	ND	0.012	ND	ND
BH-9-16'	ND	ND	ND	ND	ND	ND
MW-1-10'	ND	ND	ND	ND	ND	ND
MW-1-17'	ND	ND	ND	0.031	ND	ND
MW-2-10'	ND	ND	ND	ND	ND	ND
MW-2-17'	ND	16	0.035	0.037	0.15	0.018
MW-3-10'	ND	ND	ND	ND	ND	ND
MW-3-15'	ND	ND	0.027	ND	ND	ND
MW-4-10'	ND	ND	ND	ND	ND	ND
MW-4-17'	ND	ND	ND	ND	ND	ND
Detection Limits		5.00	0.0050	0.0050	0.0050	0.0050

ND: Non Detected at indicated limit of detection

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Water analyses were performed by Associated Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for water samples are presented in **Table 4.** Units are in micrograms per Liter (μg/L) which are equivalent to parts per billion (ppb).

TABLE 4
Analytical Results - Monitoring Wells
August 8, 1997
(ppb)

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
MW-1	ND	1,140	110	16	112	15
MW-2	ND	5,530	108	36	144	33
MW-3	ND	8,500	450	30	106	53
MW-4	ND	ND	ND	ND	ND	ND
Detection Limits		5.00	0.0050	0.0050	0.0050	0.0050

ND: Non Detected at indicated limit of detection

TABLE 5
Biological Factors
August 8, 1997
(ppb)

Sample ID	2580 B	300.0 (Nitrate)	300.0 Sulfate	310.1	3500 FED	360.1
MW-1	311	7.1	92	238	0.10	8.2
MW-2	331	0	43	398	0.50	6.3
MW-3	330	0	56	368	ND	7.9
MW-4	307	19.5	87	140	ND	7.8
Detection Limits		5	5	5.0	0.10	

2580B: Redox Potential @ Temp
300.0: Nitrate As NO3 by Ion Chromatograph
310.1 Alkalinity
3500FED: Ferrous Iron
360.1: Dissolved Oxygen, Membrane Electrode

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In accordance with directives issued by ACHCS in a letter dated May 16, 2000, groundwater samples collected during June 2000 were also analyzed for the presence of ether oxygenates, specifically: Tertiary Amyl Methyl Ether (TAME), Diisopropyl Ether (DIPS), Ethyl Tertiary Butyl Ether (ETBE), Tertiary Butyl Alcohol (TBA) and the following lead scavengers: Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), and 1,2-Dichloroethane (1,2-DCA). **Table 6** presents the results of these additional analyses.

TABLE 6
Analytical Results
Ether Oxygenates & Lead Scavengers

Sample ID:	Date:	TAME	DIPE	ETBE	TBA	EDB	EDC	1,2-DCA
MW-1	06/26/00	<50.0	<50.0	<50.0	<1,000			<5.0
MW-2	06/26/00	<5.0	<5.0	<5.0	<100.0			<0.5
MW-3	06/26/00	<5.0	<5.0	<5.0	<100.0			<0.5
MW-4	06/26/00	<5.0	<5.0	<5.0	<100.0			<0.5
Units:	N/A	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l

On February 13, 2001 AEC drilled, sampled, and installed four additional groundwater monitoring wells (MW-5, MW-6, MW-7, and MW-8) on the subject property and offsite in MacArthur Boulevard and Howe Street. Soil and groundwater samples were collected from the newly installed wells and are presented in **Tables 7 and 8**.

TABLE 7
Analytical Results - Soil Borings
February 13, 2001
(ppm)

Sample ID	TPH-g	MTBE	Benzene	Toluene	Xylenes	Ethylbenzene
MW-5-5'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-5-10'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-5-15'	11,700	<0.005	25.6	12.0	38.6	55.8
MW-5-20'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-7-10'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-7-15'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-7-20'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-8-5'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-8-10'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-8-15'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-8-20'	<10	<0.0723	<0.005	<0.005	<0.015	<0.005

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TABLE 8
Analytical Results - Monitoring Wells
February 14, 2001
(ppb)

Sample ID	TPH-g	MTBE	Benzene	Toluene	Xylenes	Ethylbenzene
MW-5	5,660	<0.3	76.9	21.1	312	47.3
MW-6	1,340	<0.3	17.0	0.967	51.4	11.1
MW-7	<0.005	284	<0.3	<0.3	<0.3	<0.3
MW-8	1,000	620	3.97	<0.3	1.63	3.78

This groundwater sampling report documents the methods and procedures used and the laboratory analytical results obtained from the latest groundwater sampling event conducted at the subject property on July 9, 2001.

Groundwater Sampling

The groundwater samples were collected in accordance with the following protocol.

1) Depth to ground water was measured in each of the wells;

2) A bailer was used to collect a water sample from the potentiometric surface to visually determine whether free hydrocarbons or a sheen can be identified;

3) Initial readings of pH, Temperature, and Conductivity were obtained (**Attachment B**);

4) The water samples were collected in a clean, stainless steel bailer, then transferred to 40-ml. glass VOA vials with Teflon septa. Care was exercised to ensure that no air bubbles were present in the vials;

5) The VOA vials were labeled, sealed with tape, wrapped in a protective covering, and placed in an ice chest chilled with frozen Blue Ice with two (2) bailer blanks for transport to the laboratory. Chain-of-custody protocol was followed to ensure sample integrity and traceability;

6) The July 2001 samples were analyzed by Baseline On-Site Analysis, a California-certified laboratory in Huntington Beach, California, for total petroleum hydrocarbons as gasoline (TPH-g), volatile aromatics (BTXE), and MTBE by EPA methods 8015-modified and 8020, respectively. Volatile Organic Compounds results were confirmed by EPA Method 8260. The laboratory reports and chain-of-custody documentation are presented in **Attachment C**.

The following table summarizes the analytical results for **AEC**'s groundwater sampling program. Units are in micrograms per liter (µg/L) which are equivalent to parts per billion (ppb).

TABLE 9
Analytical Results - Monitoring Wells
(ppb)

Sample ID	Date	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene	MTBE
MW-1	08/8/97	1,140	110	16	112	15	NA
	12/3/97	ND	ND	ND	31	ND	NA
	03/16/98	370	8.9	ND	2.2	ND	18
	07/9/98	6,400	1,300	23	58	3.7	97
	10/19/98	2,500	360	44	150	1.3	ND
	01/19/99	2,700	1,200	28	78	140	130
	6/26/00	27,000	5,200	500	3,100	320	1,300
	12/15/00	976,000	2,490	1,420	10,100	3,640	<150
	02/14/01	NA	NA	NA	NA	NA	NA
	05/11/01	20,000	2,900	310	1,900	230	<30
	07/11/01	92,000	2,900	580	20,000	2,800	560
MW-2	08/08/97	5,350	108	36	144	33	NA
	12/3/97	1,600	73	ND	ND	ND	NA
	3/16/98	3,400	830	100	240	210	870
	07/09/98	3,100	25	2.2	0.9	ND	1,900
	10/19/98	4,300	ND	1.2	1	ND	4,200
	01/19/99	2,900	160	8.9	7.4	6.9	2,100
	06/26/00	2,700	200	17.0	16.0	30.0	680
	12/15/00	3,020	56.7	<1.5	<1.5	<3.0	3,040
	02/14/01	NA	NA	NA	NA	NA	NA
	05/11/01	720	49	<3	<3	4.6	380
	07/09/01	8,400	350	44	78	77	550
MW-3	08/08/97	8,500	450	30	106	53	NA
	12/03/97	5,200	180	6	9.3	5	NA
	03/16/98	1,000	6.0	ND	ND	ND	810
	07/09/98	6,400	490	57	78	23	220
	10/19/98	2,100	ND	ND	ND	ND	ND

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Sample ID	Date	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene	MTBE
MW-3	01/19/99	4,400	450	65	42	26	1,300
	06/26/00	1,700	110	13.0	13.0	34.0	96.0
	12/15/00	5,450	445	<7.5	<7.5	23.8	603
	02/14/01	NA	NA	NA	NA	NA	NA
	05/11/01	1,900	180	12	19	<3	330
	07/09/01	10,000	830	160	260	150	560
MW-4	08/08/97	ND	ND	ND	ND	ND	NA
	12/03/97	ND	ND	ND	ND	ND	NA
	03/16/98	ND	ND	ND	ND	ND	ND
	07/09/98	ND	ND	ND	ND	ND	ND
	10/19/98	ND	ND	ND	ND	ND	ND
	01/19/99	ND	ND	ND	ND	ND	ND
	06/26/00	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/15/00	<500	<0.3	<0.3	<0.3	<0.6	<0.3
	02/14/01	NA	NA	NA	NA	NA	NA
	05/11/01	<50	1.2	<0.3	1.2	0.55	2.9
	07/09/01	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	02/14/01	5,660	76.9	21.1	312	47.3	<0.3
	05/11/01	22,000	2,600	480	2,700	220	<30
	07/09/01	72,000	3,500	1,100	22,000	4,300	2,500
MW-6	02/14/01	1,340	17.0	0.967	51.4	11.1	<0.3
	05/11/01	610	15	0.97	46	<0.5	<0.5
	07/09/01	2,500	130	4.7	170	53	120
MW-7	02/14/01	<0.005	<0.3	<0.3	<0.3	<0.3	284
	05/11/01	<50	0.75	0.77	2.4	0.48	1.1
	07/09/01	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	02/14/01	1,000	3.97	<0.3	1.63	3.78	620
	05/11/01	<50	<0.5	<0.5	<0.5	<0.5	4.4
	07/09/01	<5	<0.5	<0.5	<0.5	<0.5	<0.5

TPH-g: Total Petroleum Hydrocarbons as gasoline

The current state maximum contaminant levels (MCLs) for drinking water set by the California Department of Health Services, Title 22 are as follows:

Benzene	1 µg/L
Toluene	2000 µg/L
Ethylbenzene	680 µg/L
Total Xylenes	1750 µg/L

Conclusions

The groundwater sampling results continue to indicate trace to non detectable concentrations of gasoline constituents analyzed within MW-4 (upgradient well) and MW-7 (downgradient well). MTBE concentrations decreased significantly for MW-7.

MW-1 and MW-5 continue to exhibit significant elevated concentrations for TPH-gasoline and volatile organic concentrations. MW-8, (lateral gradient well) exhibited a sharp decrease in gasoline concentrations. It is the opinion of AEC that the groundwater concentrations will stabilize over time and that more consistent results will be evident

MW-2, MW-3, and MW-6 continue to indicate dissolved gasoline in groundwater, although at lower concentrations, signifying that the primary source area for the contamination appears to still be the USTs.

Based on the absence of detectable concentrations of ether oxygenates groundwater samples collected in June 2000, oxygenate analyses were not performed on the samples collected on July 9, 2001.

The current gradient was calculated to be North 85° West and the gradient is 0.39 ft/100ft. Flow direction and gradient have remained relatively consistent with previous sampling rounds. The monitoring wells yielded adequate water volume and could not be bailed dry. Recharge was adequate in all eight wells.

Recommendations

Advanced Environmental Concepts, Inc. recommends continued sampling of the groundwater wells for this site. Additionally, it does not appear that this contamination will mitigate itself through natural attenuation, therefore, AEC recommends using a vacuum truck to remove the contaminated groundwater from MW-1 and MW-5 , and concurrently with the water removal perform vapor extraction on the two wells. This remediation method is termed "hi-vac", or "bio-slurping", and has proven effective in gasoline plume removal in areas that have limited access and space for a soil and groundwater treatment system. If "hi-vac" proves to be effective then AEC will recommend installation of two 4-inch diameter groundwater wells to facilitate removal of the hydrocarbons.

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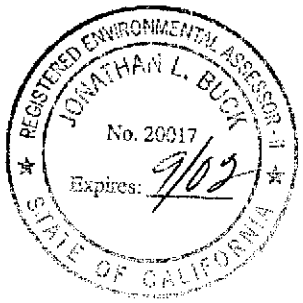
Closing

Advanced Environmental Concepts, Inc. appreciates the opportunity of providing our professional services to Mr. Warren Dodson. Should there be any questions or additional information required, please do not hesitate to contact our office at your convenience.

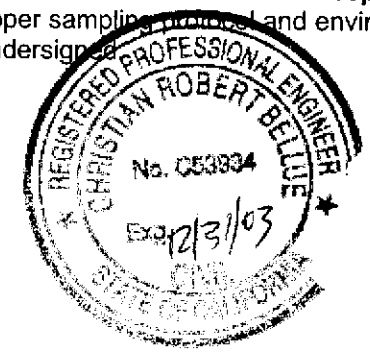
Respectfully yours,

Advanced Environmental Concepts, Inc.



Jonathan L. Buck
Registered Environmental Assessor II #20017

All environmental site work with which **Advanced Environmental Concepts, Inc.** was involved, was performed under my supervision to ensure proper sampling protocol and environmental assessment. This report has been technically reviewed by the undersigned.



Christian Bellue
Registered Professional Engineer #C53934

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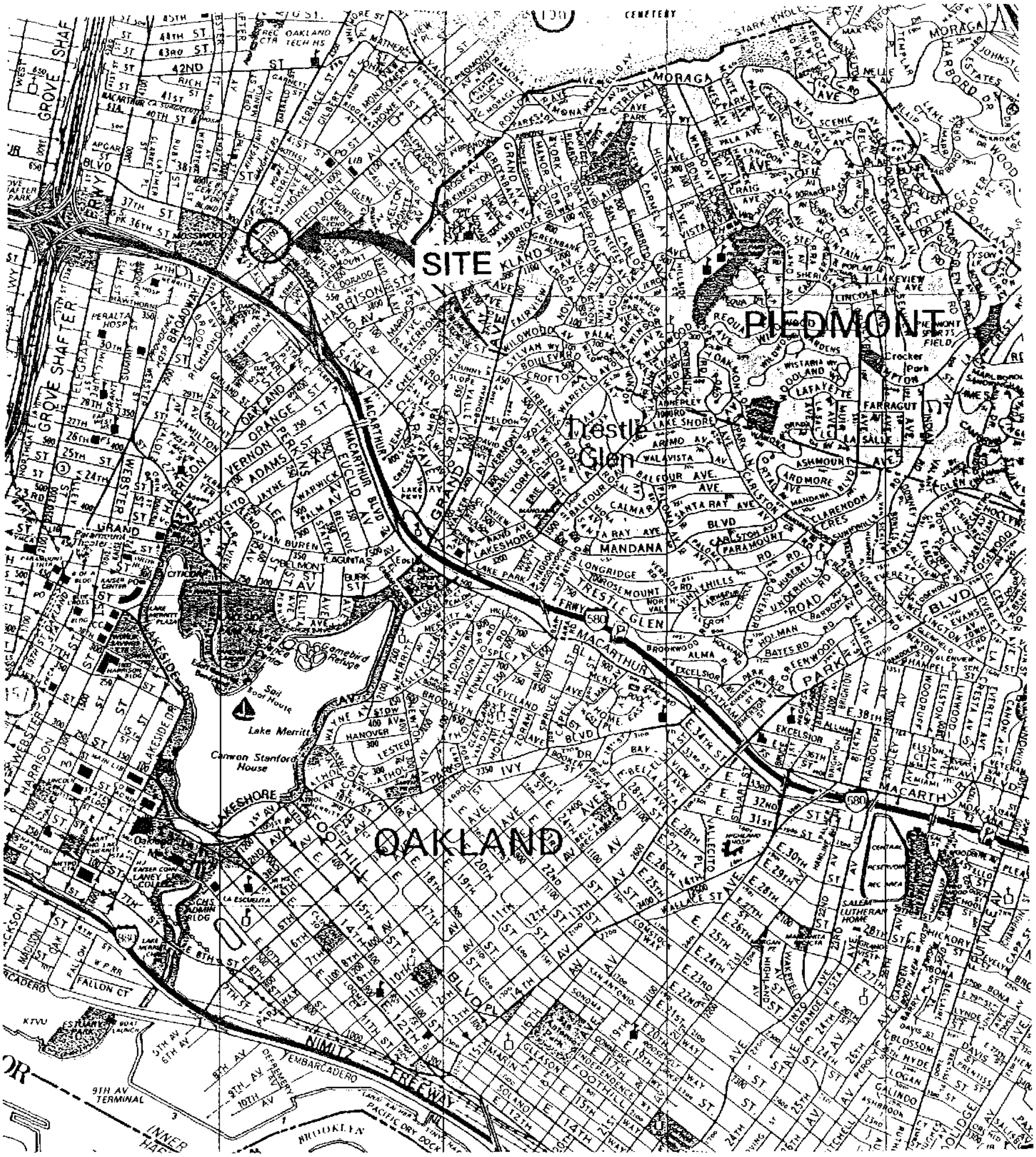

Map Source: Thomas Maps

AEC
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P.O. BOX 40672 BAKERSFIELD, CA 93384

- SITE AREA -

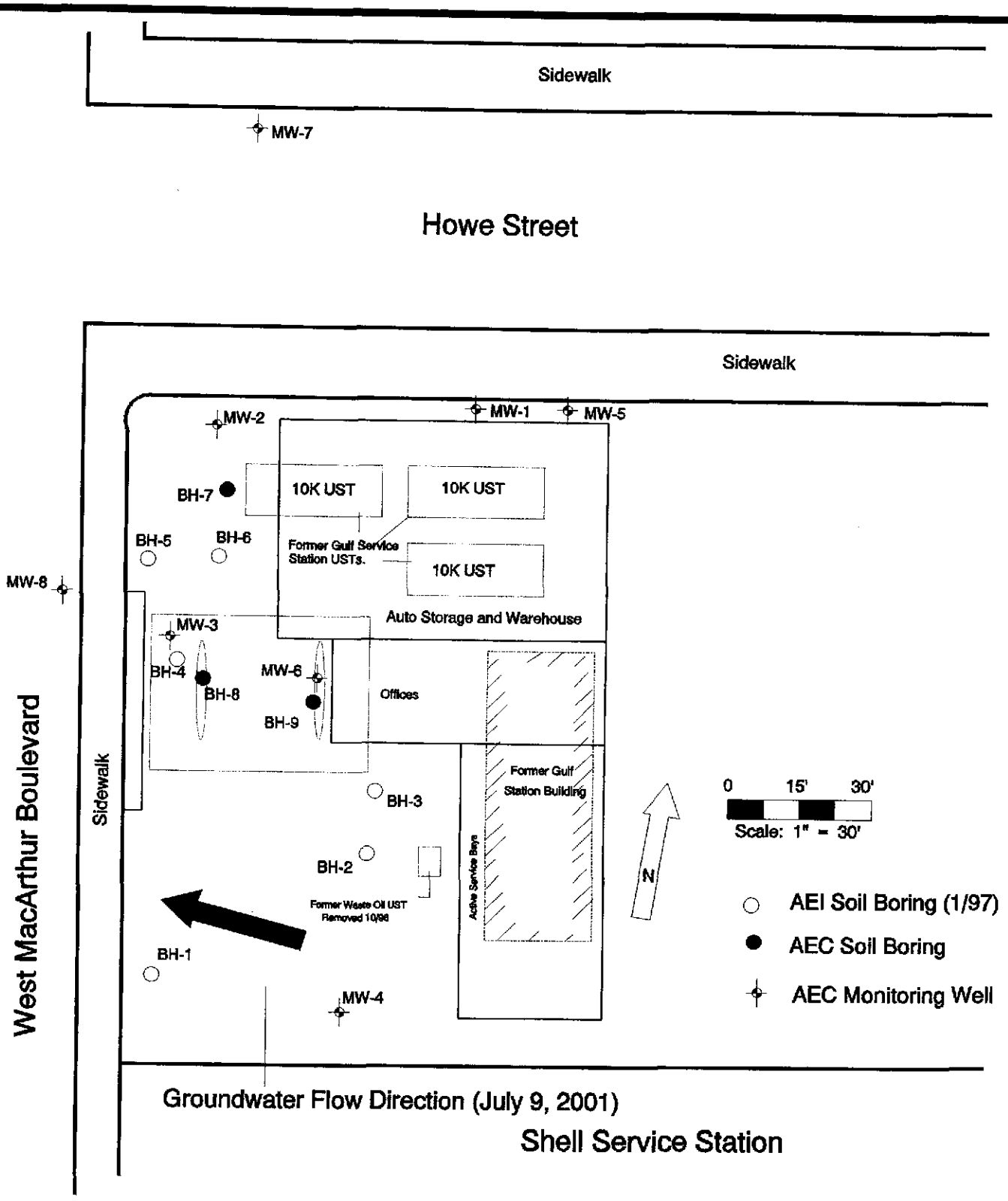
Prestige Products Corporation

240 West MacArthur Blvd.

County of Alameda - Oakland, California

FIGURE

1



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P.O. BOX 40672 BAKERSFIELD, CA 93384

- Location Map -

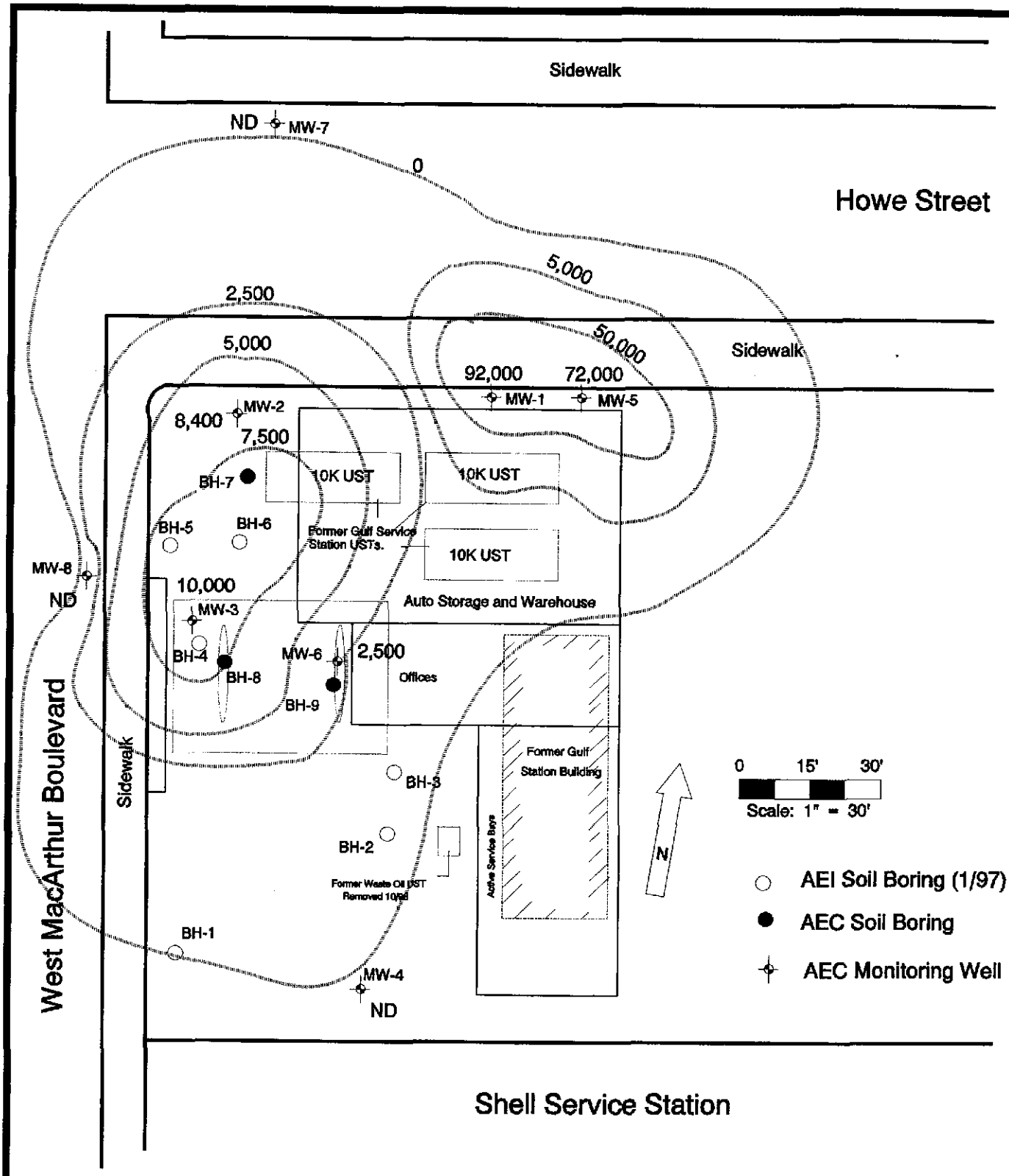
Former Vogue Tyres Facility

240 West MacArthur Boulevard

County of Alameda • Oakland, CA

FIGURE

2



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TPH-Gasoline in Water (ppb)

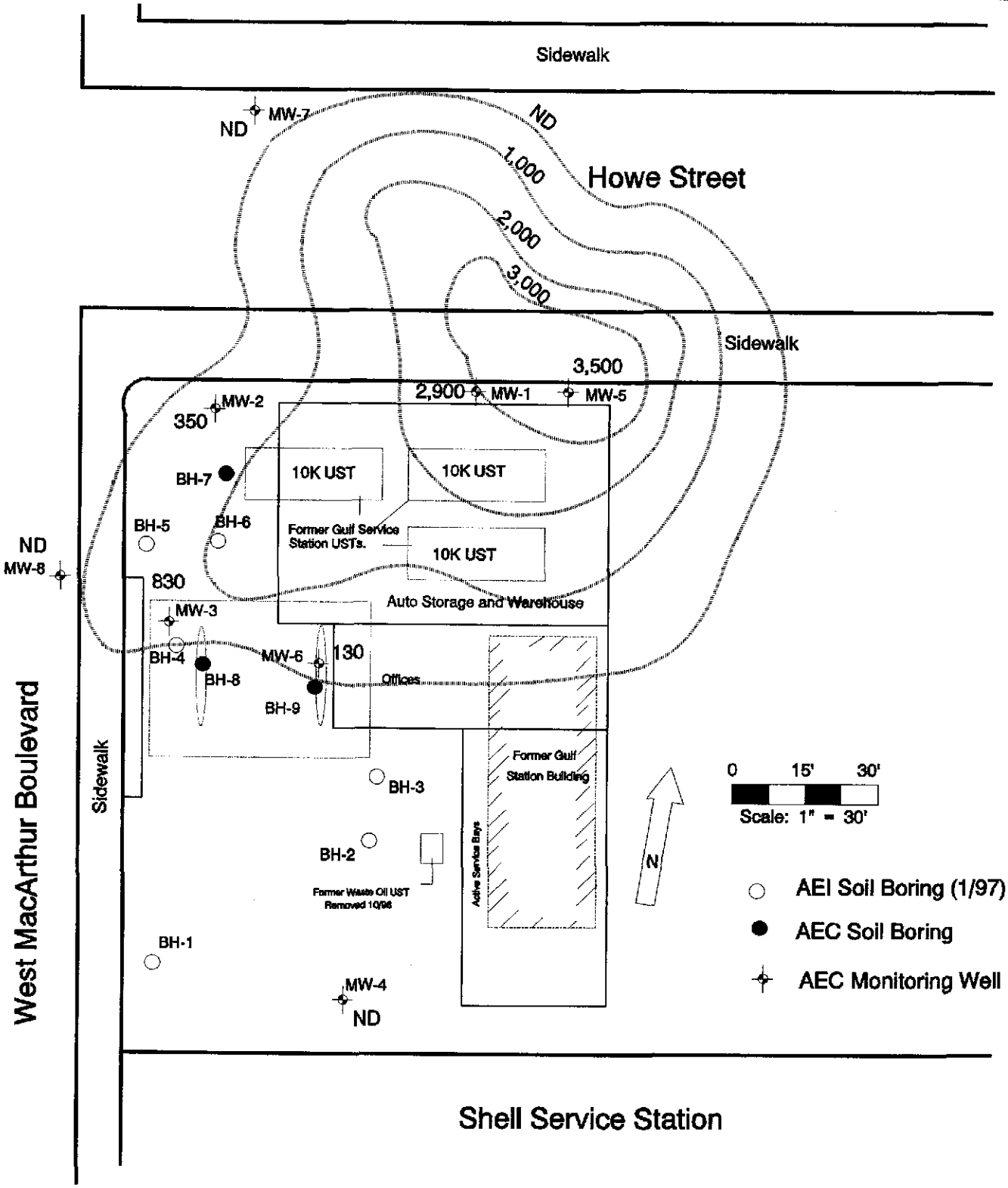
Former Vogue Tyres Facility

240 West MacArthur Boulevard

County of Alameda • Oakland, CA

FIGURE

3



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Benzene in Groundwater (ppb)

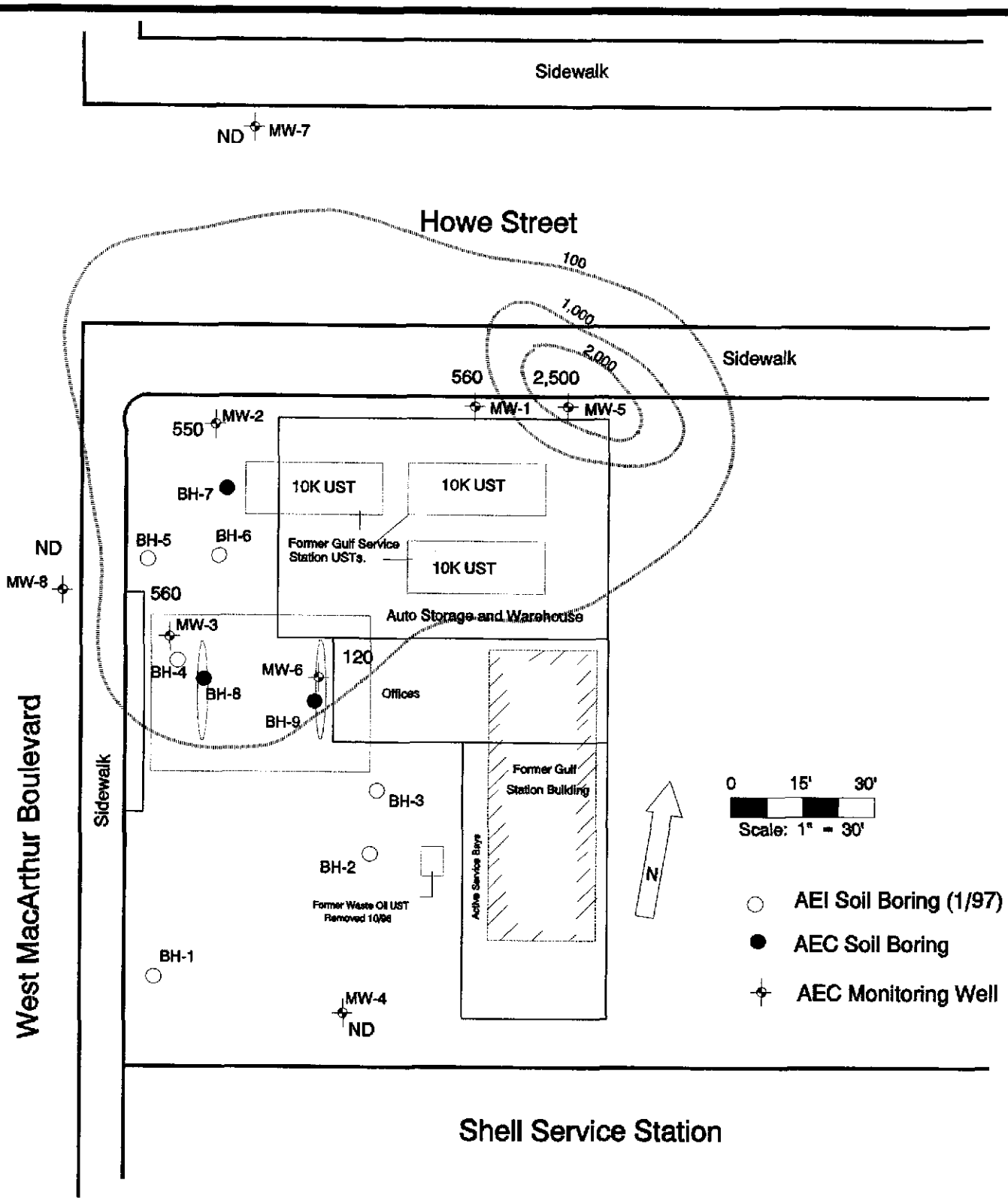
Former Vogue Tyres Facility

240 West MacArthur Boulevard

County of Alameda • Oakland, CA

FIGURE

4



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MTBE in Groundwater (ppb)

Former Vogue Tyres Facility

240 West MacArthur Boulevard

County of Alameda • Oakland, CA

FIGURE

5

Groundwater Parameters

Site Name: Former Vogue Tyres **AEC P.O. #:** _____

Location: 240 West MacArthur **Project #:** _____

Oakland, CA **Date:** July 9, 2001

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
	MONITORING WELL # 1			
	1 bailer	1,880	68.6	7.01
	MONITORING WELL # 2			
	1 bailer	1,810	68.7	7.04
	MONITORING WELL # 3			
	1 bailer	1,680	68.8	7.10

3 Casing Volumes

4" Screen = (.66 gal/ft) (_____ ft) = _____ **2" Screen = (.17 gal/ft) (_____ ft) = _____**

MW # 1 **Depth to Groundwater = 16.42'** **Corrected Depth: 16.65'** **Survey: 4.38'**

MW # 2 **Depth to Groundwater = 15.86'** **Corrected Depth: 17.51'** **Survey: 5.80'**

MW # 3 **Depth to Groundwater = 14.99'** **Corrected Depth: 16.81'** **Survey: 5.97'**

Groundwater Parameters

Site Name: Former Vogue Tyres AEC P.O. #: _____

Location: 240 West MacArthur Project #: _____

Oakland, CA Date: July 9, 2001

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
	MONITORING WELL # 4			
	1 bailer	1,810	68.9	7.25
	MONITORING WELL # 5			
	1 bailer	1,890	68.9	7.12
	MONITORING WELL # 6			
	1 bailer	1,860	69.1	7.20

3 Casing Volumes

4" Screen = (.66 gal/ft) (_____ ft) = _____ 2" Screen = (.17 gal/ft) (_____ ft) = _____

MW # 4 Depth to Groundwater = 14.87' Corrected Depth: 16.57' Survey: 5.85'

MW # 5 Depth to Groundwater = 16.50' Corrected Depth: 16.50' Survey: 4.15'

MW # 6 Depth to Groundwater = 15.56' Corrected Depth: 16.55' Survey: 5.14'

Groundwater Parameters

Site Name: Former Vogue Tyres AEC P.O. #: _____

Location: 240 West MacArthur Project #: _____

Oakland, CA Date: July 9, 2001

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
	MONITORING WELL # 7			
	1 bailer	1,740	69.1	7.30
	MONITORING WELL # 8			
	1 bailer	1,910	69.2	7.28
	MONITORING WELL # _____			

3 Casing Volumes

4" Screen = (.66 gal/ft) (_____ ft) = _____ 2" Screen = (.17 gal/ft) (_____ ft) = _____

MW # 7 Depth to Groundwater = 15.69' Corrected Depth: 16.78' Survey: 5.24'

MW # 8 Depth to Groundwater = 13.84 Corrected Depth: 16.87' Survey: 7.18'

MW # ___ Depth to Groundwater = _____ Corrected Depth: _____ Survey: _____

BASELINE ON-SITE ANALYSIS™

Baseline On-Site Analysis
P. O. Box 2243
Huntington Beach, CA 92647

Toll Free: 888.753.7553
FAX: 714.840.1584

Laboratory Report

Client: AEC, Inc.
Client Address: 4400 Ashe Road, #206
Bakersfield, CA 93313

Project Name: Vogue Tyres
Project Address: 240 West MacArthur Boulevard
Oakland, California
Contact: Jonathon Buck

Report Date: 7/22/01
Lab Project Number: 01498
Client Project Number: ---

Dates Sampled: 7/9/01
Dates Received: 7/11/01
Dates Analyzed: 7/15/01
Sample Matrix: Water

Analyses Requested:

1. **EPA M8015 – Total Petroleum Hydrocarbons as Gasoline (TPH-G)**
2. **EPA 8021B – Volatile Aromatics with MTBE**

On July 11, 2001, *Baseline* received water samples from the project shown above. A Chain-of-Custody Record (COC) is attached.

Baseline analyzed the samples for the parameters shown above per the COC. In this report, *Baseline* presents the results and QA/QC summary for these analyses.

AUG 16

Brian K. Kato
Approved
Brian K. Kato, Laboratory Manager

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Project Address: 240 West MacArthur Boulevard
Oakland, California
Contact: Jonathon Buck

Dates Sampled: 7/9/01
Dates Received: 7/11/01
Dates Analyzed: 7/15/01
Sample Matrix: Water

TPH as Gasoline (TPH-G) and Volatile Aromatics (BTEX) with MTBE Results

Constituent:	TPH-G	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes
Method:	M8015	8021B	8021B	8021B	8021B	8021B
Units:	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample ID						
MW-1	92	560	2900	580	2800	20000
MW-2	8.4	550	350	44	77	78
MW-3	10	560	830	160	150	260
MW-4	ND<0.050	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
MW-5	72	2500	3500	1100	4300	22000
MW-6	2.5	120	130	4.7	53	170
MW-7	ND<0.050	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
MW-8	ND<0.050	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Method Blank	ND<0.050	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5

ND: Not detected at the indicated reporting limit.

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Laboratory Report

Client: AEC, Inc.
Client Address: 4400 Ashe Road, #206
Bakersfield, CA 93313

Report Date: 7/22/01
Lab Project Number: 01498
Client Project Number: ---

Project Name: Vogue Tyres
Project Address: 240 West MacArthur Boulevard
Oakland, California
Contact: Jonathon Buck

Dates Sampled: 7/9/01
Dates Received: 7/11/01
Dates Analyzed: 7/15/01
Sample Matrix: Water

Quality Control Summary

Analytes	MS Recovery (%)	MSD Recovery (%)	RPD (%)	QC Sample
TPH-Gasoline (EPA 8015)	88	94	6	MW-8
Toluene (EPA 8021B)	92	95	3	MW-8
Total Xylenes (EPA 8021B)	90	97	7	MW-8
Acceptable QC Limits:	(65-135)	(65-135)	(0-30)	

MS: Matrix Spike; MSD: Matrix Spike Duplicate; RPD: Relative Percent Difference
LCS/LCSD: Lab Control Sample/Duplicate

CHAIN-OF-CUSTODY RECORD

Client: AEC
Date: 7/9/01
Project Name: VOGUE TYRES
Client Project #:
Project Address: 240 WEST MACARTHUR BLVD
OAKland, CA
Sampler's Signature: Jonathan Black

Turn Around Requested:
- ☐ 24-Hour-Rush
- ☐ 48-Hour-Rush
- ☒ Normal
- ☐ Mobile Lab

LAB Project # 01498
Page 1 of 1

Lab Use Only.
Sample Condition as received:
Chilled Yes / No
Sealed Yes / No

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	Analysis Requested: TPH-g/BTXE/MTBE	Number of Containers	Container / Comments
MW-4		7/9/01			A	✓	2	
MW-7		"			A	✓	2	
MW-8		"			A	✓	2	
MW-3		"			A	✓	2	
MW-6		7/9/01			A	✓	2	
MW-2		"			A	✓	2	
MW-5		"			A	✓	2	
MW-1		7/9/01			A	✓	2	

❶ Relinquished by: (Signature) Jonathan Black	Date 7/11/01	❷ Received by: (Signature) B.K.	Date 7/11/01
Company: AEC	Time	Company: BASELINE	Time 1500
❸ Relinquished by: (Signature)	Date	❹ Received by Laboratory: (Signature)	Date
Company:	Time	Company:	Time

16 **Total Number of Containers**

AEC *ADVANCED ENVIRONMENTAL CONCEPTS INC*
661/831-1646 4400 ASHE ROAD, #206
FAX 661/831-1771 BAKERSFIELD, CA 93313
E-mail: advanced@lightspeed.net