



August 11, 2000

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

Regarding: **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**.

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

TABLE 2
(continued)
Analytical Results of Groundwater Samples
January 10, 1997

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
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

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 three Geoprobe soil borings (BH-7, BH-8, and BH-9), and four groundwater monitoring wells (MW-1, MW-2, MW-3, and MW-4) were drilled 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 Boring
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

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

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
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

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 soil samples are presented in **Table 4**. Units are in micrograms per Liter ($\mu\text{g/L}$) 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

This 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 June 26, 2000.

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) A minimum of three (3) casing volumes of water (approximately 10-gallons) was purged from each well. Readings of pH, Temperature, and Conductivity were measured at 3-gallon intervals;
- 5) Once stabilization to 90% of original aquifer parameters was achieved, the groundwater samples were collected. The sampling equipment was washed in an Alconox solution and double-rinsed with clean deionized water;
- 6) 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;

- 7) 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;
- 8) The samples were analyzed by Baseline Analysis, Inc. 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. 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 ($\mu\text{g/L}$) which are equivalent to parts per billion (ppb).

TABLE 6
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
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
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

TABLE 6
(continued)
Analytical Results - Monitoring Wells
(ppb)

Sample ID	Date	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene	MTBE
MW-3	10/19/98	2,100	ND	ND	ND	ND	ND
	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
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
Detection Limits		50.	0.5	0.5	0.5	0.5	0.5

ND: Not detected at the indicated level of detection
TPH-g: Total Petroleum Hydrocarbons as gasoline

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). The following Table 7 presents the results of these additional analyses.

TABLE 7
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

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 no detectable concentrations of any constituents analyzed within MW-4. Samples analyzed from wells MW-2 and MW-3 indicate relative stability regarding concentrations of gasoline, volatile organics, and MTBE. Samples collected from MW-1 were significantly higher in concentrations of gasoline, benzene, and MTBE.

No detectable concentrations of ether oxygenates or EDB, EDC, and 1,2 DCA were indicated within any of the groundwater samples collected from this site during June, 2000.

The current gradient was calculated to be North 178° West and the gradient is 0.50ft/100ft. Flow direction and gradient have been very consistent for all sampling rounds. The monitoring wells yielded adequate water volume and could not be bailed dry. Recharge was adequate in all four wells.

Recommendations

Advanced Environmental Concepts, Inc. recommends continued sampling of the groundwater wells for this site. Based on the results of the ether oxygenate and lead scavenger analyses performed during this most recent sampling event, AEC recommends that these analytical procedures are not necessary for future groundwater monitoring.


AEC also recommends advancing geoprobe borings to the north and east of MW-1 to adequately characterize the lateral and down gradient extent of the plume. It is then recommended installing two additional groundwater wells to confirm, on a quarterly basis, that the plume has been adequately characterized. AEC also recommends a Risk Based Corrective Action (RBCA) alternative for closure, in deference to actual remediation. This recommendation is predicated on the fact that all drinking water supplied to Oakland is from pipelines, no well water is used.

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,

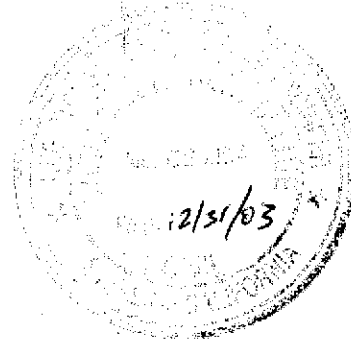
Advanced Environmental Concepts, Inc.


Jonathan L. Buck
Project Geologist, REA 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.

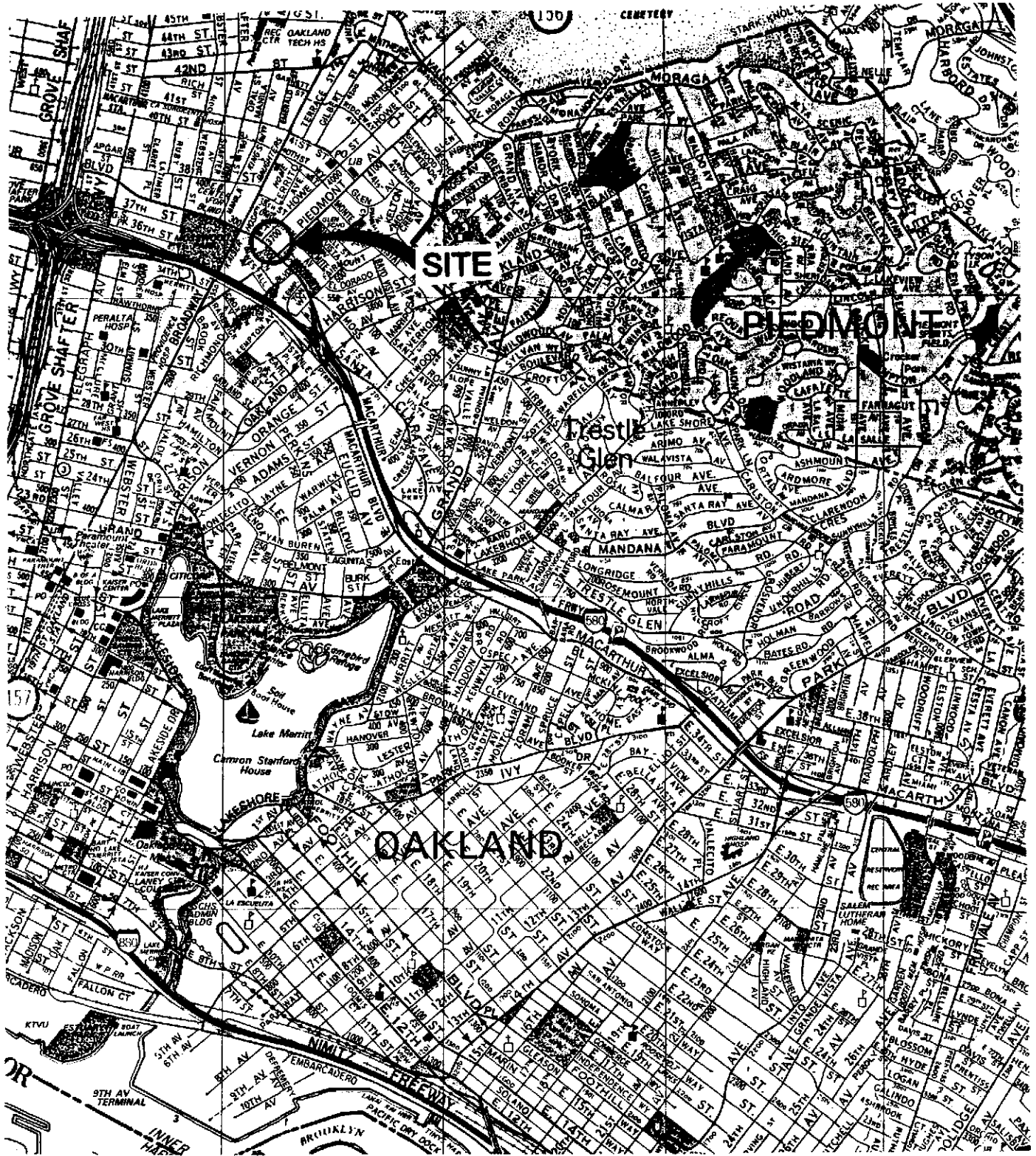

Christian R. Bellue
Professional Registered Engineer #C53934

Doc30HL



"Appendix A"

PROJECT MAPS / FIGURES



Map Source: Thomas Maps

- SITE AREA -

Prestige Products Corporation

240 West MacArthur Blvd.

County of Alameda - Oakland, California

FIGURE

1



ADVANCED ENVIRONMENTAL CONCEPTS INC.

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

HOWE STREET

SIDEWALK

W. MACARTHUR BLVD.

ENTRANCE

SIDEWALK

ENTRANCE

MW-1

MW-2

BH-7

10,000 Gallon UST

10,000 Gallon UST

FORMER GULF SERVICE STATION UNDERGROUND STORAGE TANKS

10,000 Gallon UST

BH-5

BH-6

CURRENT SUBJECT PROPERTY BUILDING

MW-3

BH-4

BH-8

FORMER GULF SERVICE STATION PUMP ISLANDS

BH-9

FORMER GULF SERVICE STATION BUILDING

FORMER GULF SERVICE STATION CANOPY

BH-3

APPROXIMATE LOCATION OF FORMER SUMP

BH-2

FORMER 350 GALLON WAIST OIL LUST REMOVED 10/3/96

BH-1

Groundwater Flow Direction June 2000

MW-4

0 10' 20'

scale: 1" = 20'

SHELL SERVICE STATION
230 WEST MACARTHUR BLVD.

MW-4
(EXISTING)

⊕ AEC MONITORING WELL LOCATIONS

● AEC SOIL BORING LOCATION

○ AEI SOIL BORING LOCATIONS DRILLED 1/10/97

AEC
ADVANCED ENVIRONMENTAL CONCEPTS INC.
ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

June 2000 Hydraulic Gradient
VOGUE TYRES
Prestige Products Corporation
240 West MacArthur Blvd.
County of Alameda - Oakland, California

FIGURE
2

"Appendix B"

GROUNDWATER PARAMETERS

Groundwater Parameters

Site Name: Vogue Tyres AEC P.O. #: _____
 Location: 240 West MacArthur Project #: _____
Oakland, CA Date: June 26, 2000

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
MONITORING WELL # 1				
	3 gallons	2,180	70.9	7.02
	6 gallons	2,240	71.0	7.02
MONITORING WELL # 2				
	3 gallons	1,960	70.5	7.10
	6 gallons	1,960	70.6	7.08
MONITORING WELL # 3				
	3 gallons	1,440	71.0	7.40
	6 gallons	1,520	70.9	7.38

3 Casing Volumes

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

MW # 1 Depth to Groundwater = 15.21' Corrected Depth: 15.21' Survey: 4.39'
 MW # 2 Depth to Groundwater = 14.61' Corrected Depth: 15.31' Survey: 5.09'
 MW # 3 Depth to Groundwater = 13.74' Corrected Depth: 15.29' Survey: 5.94'

Groundwater Parameters

Site Name: Vogue Tyres **AEC P.O. #:** _____
Location: 240 West MacArthur **Project #:** _____
Oakland, CA **Date:** June 26, 2000

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
MONITORING WELL # <u>4</u>				
	3 gallons	2,040	71.0	7.68
	6 gallons	2,120	70.8	7.66
MONITORING WELL # _____				
MONITORING WELL # _____				

3 Casing Volumes

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

MW # 4 Depth to Groundwater = 13.56' Corrected Depth: 14.89' Survey: 5.72'

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

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

Advanced Environmental Concepts, Inc.

"Appendix C"

**LABORATORY RESULTS /
CHAIN-OF-CUSTODY DOCUMENTS**

• ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND •

Laboratory Report

Client: AEC, Inc
Client Address: 4400 Ashe Road #206
Bakersfield, California

Report Date: 7/14/00
Lab Project Number: 00427
Client Project Number: N/A

Project Name: Vogue Tyres
Project Address: —

Date Sampled: 6/26/00
Date Received: 6/28/00

Contact: Jon Buck

Date Analyzed: 7/8/00
Sample Matrix: Water

Volatile Organic Compounds (EPA 8260B)

Sample ID: MW-1

<i>Compound Name</i>	<i>Result (µg/L)</i>	<i>Compound Name</i>	<i>Result (µg/L)</i>
Benzene	5200	Hexachlorobutadiene	ND<5
Bromobenzene	ND<5	Isopropylbenzene	ND<5
Bromochloromethane	ND<5	p-isopropyltoluene	ND<5
Bromoform	ND<5	Methylene Chloride	ND<5
Bromomethane	ND<5	Naphthalene	ND<5
n-Butylbenzene	ND<5	n-Propylbenzene	ND<5
sec-Butylbenzene	ND<5	Styrene	ND<5
tert-Butylbenzene	ND<5	Tetrachloroethene	ND<5
Carbon Tetrachloride	ND<5	1,1,1,2-Tetrachloroethane	ND<5
2-Chlorotoluene	ND<5	1,1,2,2-Tetrachloroethane	ND<5
4-Chlorotoluene	ND<5	Toluene	500
Chlorobenzene	ND<5	1,2,3-Trichlorobenzene	ND<5
Chloroethane	ND<5	1,2,4-Trichlorobenzene	ND<5
Chloroform	ND<5	1,1,1-Trichloroethane	ND<5
Chloromethane	ND<5	1,1,2-Trichloroethane	ND<5
Dibromochloromethane	ND<5	Trichloroethene	ND<5
1,2-Dibromo-3-Chloropropane	ND<5	Trichlorofluoromethane	ND<5
1,2-Dibromomethane	ND<5	1,2,3-Trichloropropane	ND<5
1,2-Dichlorobenzene	ND<5	1,2,4-Trimethylbenzene	51
1,3-Dichlorobenzene	ND<5	1,3,5-Trimethylbenzene	ND<5
1,4-Dichlorobenzene	ND<5	Vinyl Chloride	ND<5
Dichlorodifluoromethane	ND<5	Total Xylenes	3100
1,1-Dichloroethane	ND<5		
1,2-Dichloroethane	ND<5	<u>Oxygenates</u>	
1,1-Dichloroethene	ND<5	MTBE	1300
cis-1,2-Dichloroethene	ND<5	t-Butanol	ND<1000
trans-1,2-Dichloroethene	ND<5	Di-Isopropyl Ether	ND<50
1,2-Dichloropropane	ND<5	Ethyl-t-Butyl Ether	ND<50
1,3-Dichloropropane	ND<5	t-Amyl Methyl Ether	ND<50
2,2-Dichloropropane	ND<5		
1,1-Dichloropropene	ND<5		
Ethylbenzene	320		

ND: Not Detected at the indicated Practical Quantification Limit (Reporting Limit)

Laboratory Report

Client: AEC, Inc
Client Address: 4400 Ashe Road #206
Bakersfield, California

Report Date: 7/14/00
Lab Project Number: 00427
Client Project Number: N/A

Project Name: Vogue Tyres
Project Address: —

Date Sampled: 6/26/00
Date Received: 6/28/00

Contact: Jon Buck

Date Analyzed: 7/8/00
Sample Matrix: Water

Volatile Organic Compounds (EPA 8260B)

Sample ID: MW-2

<i>Compound Name</i>	<i>Result (µg/L)</i>	<i>Compound Name</i>	<i>Result (µg/L)</i>
Benzene	200	Hexachlorobutadiene	ND<0.5
Bromobenzene	ND<0.5	Isopropylbenzene	ND<0.5
Bromochloromethane	ND<0.5	p-isopropyltoluene	ND<0.5
Bromoform	ND<0.5	Methylene Chloride	ND<0.5
Bromomethane	ND<0.5	Naphthalene	ND<0.5
n-Butylbenzene	ND<0.5	n-Propylbenzene	ND<0.5
sec-Butylbenzene	ND<0.5	Styrene	ND<0.5
tert-Butylbenzene	ND<0.5	Tetrachloroethene	ND<0.5
Carbon Tetrachloride	ND<0.5	1,1,1,2-Tetrachloroethane	ND<0.5
2-Chlorotoluene	ND<0.5	1,1,2,2-Tetrachloroethane	ND<0.5
4-Chlorotoluene	ND<0.5	Toluene	17
Chlorobenzene	ND<0.5	1,2,3-Trichlorobenzene	ND<0.5
Chloroethane	ND<0.5	1,2,4-Trichlorobenzene	ND<0.5
Chloroform	ND<0.5	1,1,1-Trichloroethane	ND<0.5
Chloromethane	ND<0.5	1,1,2-Trichloroethane	ND<0.5
Dibromochloromethane	ND<0.5	Trichloroethene	ND<0.5
1,2-Dibromo-3-Chloropropane	ND<0.5	Trichlorofluoromethane	ND<0.5
1,2-Dibromomethane	ND<0.5	1,2,3-Trichloropropane	ND<0.5
1,2-Dichlorobenzene	ND<0.5	1,2,4-Trimethylbenzene	ND<0.5
1,3-Dichlorobenzene	ND<0.5	1,3,5-Trimethylbenzene	ND<0.5
1,4-Dichlorobenzene	ND<0.5	Vinyl Chloride	ND<0.5
Dichlorodifluoromethane	ND<0.5	Total Xylenes	16
1,1-Dichloroethane	ND<0.5		
1,2-Dichloroethane	ND<0.5	<u>Oxygenates</u>	
1,1-Dichloroethene	ND<0.5	MTBE	680
cis-1,2-Dichloroethene	ND<0.5	t-Butanol	ND<100
trans-1,2-Dichloroethene	ND<0.5	Di-Isopropyl Ether	ND<5
1,2-Dichloropropane	ND<0.5	Ethyl-t-Butyl Ether	ND<5
1,3-Dichloropropane	ND<0.5	t-Amyl Methyl Ether	ND<5
2,2-Dichloropropane	ND<0.5		
1,1-Dichloropropene	ND<0.5		
Ethylbenzene	30		

ND: Not Detected at the indicated Practical Quantification Limit (Reporting Limit)

Laboratory Report

Client: AEC, Inc
Client Address: 4400 Ashe Road #206
Bakersfield, California

Report Date: 7/14/00
Lab Project Number: 00427
Client Project Number: N/A

Project Name: Vogue Tyres
Project Address: —

Date Sampled: 6/26/00
Date Received: 6/28/00
Date Analyzed: 7/8/00

Contact: Jon Buck

Sample Matrix: Water

Volatile Organic Compounds (EPA 8260B)

Sample ID: MW-3

Compound Name	Result (µg/L)	Compound Name	Result (µg/L)
Benzene	110	Hexachlorobutadiene	ND<0.5
Bromobenzene	ND<0.5	Isopropylbenzene	ND<0.5
Bromochloromethane	ND<0.5	p-isopropyltoluene	ND<0.5
Bromoform	ND<0.5	Methylene Chloride	ND<0.5
Bromomethane	ND<0.5	Naphthalene	ND<0.5
n-Butylbenzene	ND<0.5	n-Propylbenzene	ND<0.5
sec-Butylbenzene	ND<0.5	Styrene	ND<0.5
tert-Butylbenzene	ND<0.5	Tetrachloroethene	ND<0.5
Carbon Tetrachloride	ND<0.5	1,1,1,2-Tetrachloroethane	ND<0.5
2-Chlorotoluene	ND<0.5	1,1,2,2-Tetrachloroethane	ND<0.5
4-Chlorotoluene	ND<0.5	Toluene	13
Chlorobenzene	ND<0.5	1,2,3-Trichlorobenzene	ND<0.5
Chloroethane	ND<0.5	1,2,4-Trichlorobenzene	ND<0.5
Chloroform	ND<0.5	1,1,1-Trichloroethane	ND<0.5
Chloromethane	ND<0.5	1,1,2-Trichloroethane	ND<0.5
Dibromochloromethane	ND<0.5	Trichloroethene	ND<0.5
1,2-Dibromo-3-Chloropropane	ND<0.5	Trichlorofluoromethane	ND<0.5
1,2-Dibromomethane	ND<0.5	1,2,3-Trichloropropane	ND<0.5
1,2-Dichlorobenzene	ND<0.5	1,2,4-Trimethylbenzene	ND<0.5
1,3-Dichlorobenzene	ND<0.5	1,3,5-Trimethylbenzene	ND<0.5
1,4-Dichlorobenzene	ND<0.5	Vinyl Chloride	ND<0.5
Dichlorodifluoromethane	ND<0.5	Total Xylenes	34
1,1-Dichloroethane	ND<0.5		
1,2-Dichloroethane	ND<0.5	<u>Oxygenates</u>	
1,1-Dichloroethene	ND<0.5	MTBE	96
cis-1,2-Dichloroethene	ND<0.5	t-Butanol	ND<100
trans-1,2-Dichloroethene	ND<0.5	Di-Isopropyl Ether	ND<5
1,2-Dichloropropane	ND<0.5	Ethyl-t-Butyl Ether	ND<5
1,3-Dichloropropane	ND<0.5	t-Amyl Methyl Ether	ND<5
2,2-Dichloropropane	ND<0.5		
1,1-Dichloropropene	ND<0.5		
Ethylbenzene	13		

ND: Not Detected at the indicated Practical Quantification Limit (Reporting Limit)

Laboratory Report

Client: AEC, Inc
Client Address: 4400 Ashe Road #206
Bakersfield, California

Report Date: 7/14/00
Lab Project Number: 00427
Client Project Number: N/A

Project Name: Vogue Tyres
Project Address: —
—

Date Sampled: 6/26/00
Date Received: 6/28/00
Date Analyzed: 7/8/00
Sample Matrix: Water

Contact: Jon Buck

Volatile Organic Compounds (EPA 8260B)

Sample ID: MW-4

Compound Name	Result (µg/L)	Compound Name	Result (µg/L)
Benzene	ND<0.5	Hexachlorobutadiene	ND<0.5
Bromobenzene	ND<0.5	Isopropylbenzene	ND<0.5
Bromochloromethane	ND<0.5	p-isopropyltoluene	ND<0.5
Bromoform	ND<0.5	Methylene Chloride	ND<0.5
Bromomethane	ND<0.5	Naphthalene	ND<0.5
n-Butylbenzene	ND<0.5	n-Propylbenzene	ND<0.5
sec-Butylbenzene	ND<0.5	Styrene	ND<0.5
tert-Butylbenzene	ND<0.5	Tetrachloroethene	ND<0.5
Carbon Tetrachloride	ND<0.5	1,1,1,2-Tetrachloroethane	ND<0.5
2-Chlorotoluene	ND<0.5	1,1,2,2-Tetrachloroethane	ND<0.5
4-Chlorotoluene	ND<0.5	Toluene	ND<0.5
Chlorobenzene	ND<0.5	1,2,3-Trichlorobenzene	ND<0.5
Chloroethane	ND<0.5	1,2,4-Trichlorobenzene	ND<0.5
Chloroform	ND<0.5	1,1,1-Trichloroethane	ND<0.5
Chloromethane	ND<0.5	1,1,2-Trichloroethane	ND<0.5
Dibromochloromethane	ND<0.5	Trichloroethene	ND<0.5
1,2-Dibromo-3-Chloropropane	ND<0.5	Trichlorofluoromethane	ND<0.5
1,2-Dibromomethane	ND<0.5	1,2,3-Trichloropropane	ND<0.5
1,2-Dichlorobenzene	ND<0.5	1,2,4-Trimethylbenzene	ND<0.5
1,3-Dichlorobenzene	ND<0.5	1,3,5-Trimethylbenzene	ND<0.5
1,4-Dichlorobenzene	ND<0.5	Vinyl Chloride	ND<0.5
Dichlorodifluoromethane	ND<0.5	Total Xylenes	ND<0.5
1,1-Dichloroethane	ND<0.5		
1,2-Dichloroethane	ND<0.5	<u>Oxygenates</u>	
1,1-Dichloroethene	ND<0.5	MTBE	ND<0.5
cis-1,2-Dichloroethene	ND<0.5	t-Butanol	ND<100
trans-1,2-Dichloroethene	ND<0.5	Di-Isopropyl Ether	ND<5
1,2-Dichloropropane	ND<0.5	Ethyl-t-Butyl Ether	ND<5
1,3-Dichloropropane	ND<0.5	t-Amyl Methyl Ether	ND<5
2,2-Dichloropropane	ND<0.5		
1,1-Dichloropropene	ND<0.5		
Ethylbenzene	ND<0.5		

ND: Not Detected at the indicated Practical Quantification Limit (Reporting Limit)

Laboratory Report

Client: AEC, Inc
Client Address: 4400 Ashe Road #206
 Bakersfield, California

Report Date: 7/14/00
Lab Project Number: 00427
Client Project Number: N/A

Project Name: Vogue Tyres
Project Address: —

Date Sampled: 6/26/00
Date Received: 6/28/00
Date Analyzed: 7/8/00

Contact: Jon Buck

Sample Matrix: Water

Quality Control Summary

<u>Analytes</u>	MS Recovery (%)	MSD Recovery (%)	RPD (%)	QC Sample
TPH as Gasoline (LUFT)	96	95	1	MW-4
Chloroform (EPA 8260)	110	105	5	MW-4
1,1-Dichloroethene (EPA 8260)	105	104	1	MW-4
1,2-Dichloropropane (EPA 8260)	109	107	2	MW-4
Ethylbenzene (EPA 8260)	111	109	2	MW-4
Toluene (EPA 8260)	113	110	3	MW-4
Acceptable QC Limits:	(65-130)	(65-130)	(0-30)	

Laboratory Report

Client: AEC, Inc
Client Address: 4400 Ashe Road #206
Bakersfield, California

Report Date: 7/14/00
Lab Project Number: 00427
Client Project Number: N/A

Project Name: Vogue Tyres
Project Address: —
—

Date Sampled: 6/26/00
Date Received: 6/28/00
Date Analyzed: 7/8/00
Sample Matrix: Water

Contact: Jon Buck

Analyses Requested:

1. M8015 - TPH as Gasoline
2. EPA 8260B - Volatile Organic Compounds with Oxygenates by GC/MS

On June 28, 2000, *Baseline* received water samples collected from the project shown above. A Chain-of-Custody Record is attached.

Baseline analyzed all of the samples for the parameters shown above per the Chain-of-Custody. In this report, *Baseline* presents the results and a QA/QC summary for all of the above mentioned analyses.



Approved

Brian K. Kato, Laboratory Manager

Laboratory Report

Client: AEC, Inc
Client Address: 4400 Ashe Road #206
Bakersfield, California

Report Date: 7/14/00
Lab Project Number: 00427
Client Project Number: N/A

Project Name: Vogue Tyres
Project Address: —

Date Sampled: 6/26/00
Date Received: 6/28/00
Date Analyzed: 7/8/00

Contact: Jon Buck

Sample Matrix: Water

<u>Sample ID</u>	<u>TPH-Gasoline</u> <u>(mg/L)</u>
MW-1	27
MW-2	2.7
MW-3	1.7
MW-4	ND<0.050
Method Blank	ND<0.050

AEC, Inc.
 4400 Ashe Road #206
 Bakersfield, California
 Phone: 805-831-1648; FAX: 805-831-1771
 Contact: Jonathon Buck

Project Name
WEGE Tyres
 Project Address
240 W. McArthur
Oakland, CA
 Project Number
 PO Number

Soil (S), Water (W), Air (A)	Analysis Requested						Number of Containers
	TPH as Gasoline (M8015)	BTEX w/ MTBE (8020A)	HVOC's (601)	MTBE Confirmation (8260)	8260 Full Oxym	EOB, EOC, TEA	
W /	/	/	/	/	/	2	
W /	/	/	/	/	/	2	
W /	/	/	/	/	/	2	
W /	/	/	/	/	/	2	

CHAIN-OF-CUSTODY-RECORD

Page 1 of 1
 Laboratory Project # **DO 427**

Sample ID	Sample Location	Date	Time	Lab ID	Soil (S), Water (W), Air (A)	TPH as Gasoline (M8015)	BTEX w/ MTBE (8020A)	HVOC's (601)	MTBE Confirmation (8260)	8260 Full Oxym	EOB, EOC, TEA	Number of Containers	Comments/Special Instructions
MW-4		6/26/00			W /	/	/	/	/	/	/	2	
MW-3		"			W /	/	/	/	/	/	/	2	
MW-2		"			W /	/	/	/	/	/	/	2	
MW-1		6/26/00			W /	/	/	/	/	/	/	2	

Turnaround Request:

Sample Condition: Chilled? Y N Sealed? Y N Comments:

Relinquished by: <i>[Signature]</i>	Relinquished by:	Relinquished by:	Relinquished by:
Company: <i>[Signature]</i>	Company:	Company:	Company:
Date/Time: 6/26/00 1400	Date/Time:	Date/Time:	Date/Time:
Received: <i>[Signature]</i>	Received:	Received:	Received:
Company: <i>[Signature]</i>	Company:	Company:	Company:
Date/Time: 6/26/00 1400	Date/Time:	Date/Time:	Date/Time:



P. O. Box 2243
 Huntington Beach, California 92647

Phone: (888) 753-7553
 FAX: (714) 840-1584



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AGENCY
AUG 24 PM 2:50

August 21, 2000

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

Regarding: **Quarterly Groundwater Sampling Report**
Vogue Tyres
240 W. McArthur Blvd.
Oakland, California
Stld 6059

Dear Mr. Hwang:

Please find enclosed the 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
Project Coordinator / Office Administrator

Attachments: Reports (1)

cc: Mr. Warren Dodson

• ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND •