

C A M B R I A

ENVIRONMENTAL
PROTECTION

November 16, 1999
99 NOV 18 PM 3:55

Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Third Quarter 1999 Monitoring Report**
Shell-branded Service Station
4226 First Street
Pleasanton, California
Incident #98995840
Cambria Project #241-0523-002



Dear Mr. Seery:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this ground water monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

THIRD QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California developed, gauged and sampled new ground water monitoring well MW-1. Blaine calculated the ground water elevation and compiled the analytical data. Cambria prepared a ground water elevation map (Figure 1). The Blaine report, presenting the laboratory report and including supporting field documents, is included as Attachment A.

ANTICIPATED FOURTH QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine will gauge and sample the well and tabulate the data. Cambria will prepare a monitoring report.

Site Investigation Work Plan: Cambria will prepare a site investigation work plan as requested by Alameda County Health Care Services Agency in their September 14, 1999 correspondence to Equiva Services LLC.

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

**Cambria
Environmental
Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

CLOSING

We appreciate the opportunity to work with you on this project. Please call Barbara Jakub at (510) 420-3309 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc



Barbara J. Jakub
Project Geologist

Ailsa S. Le May, R.G.
Senior Geologist



Figure: 1 - Ground Water Elevation Contour Map

Attachment: A - Blaine Ground Water Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, California 90749-6249

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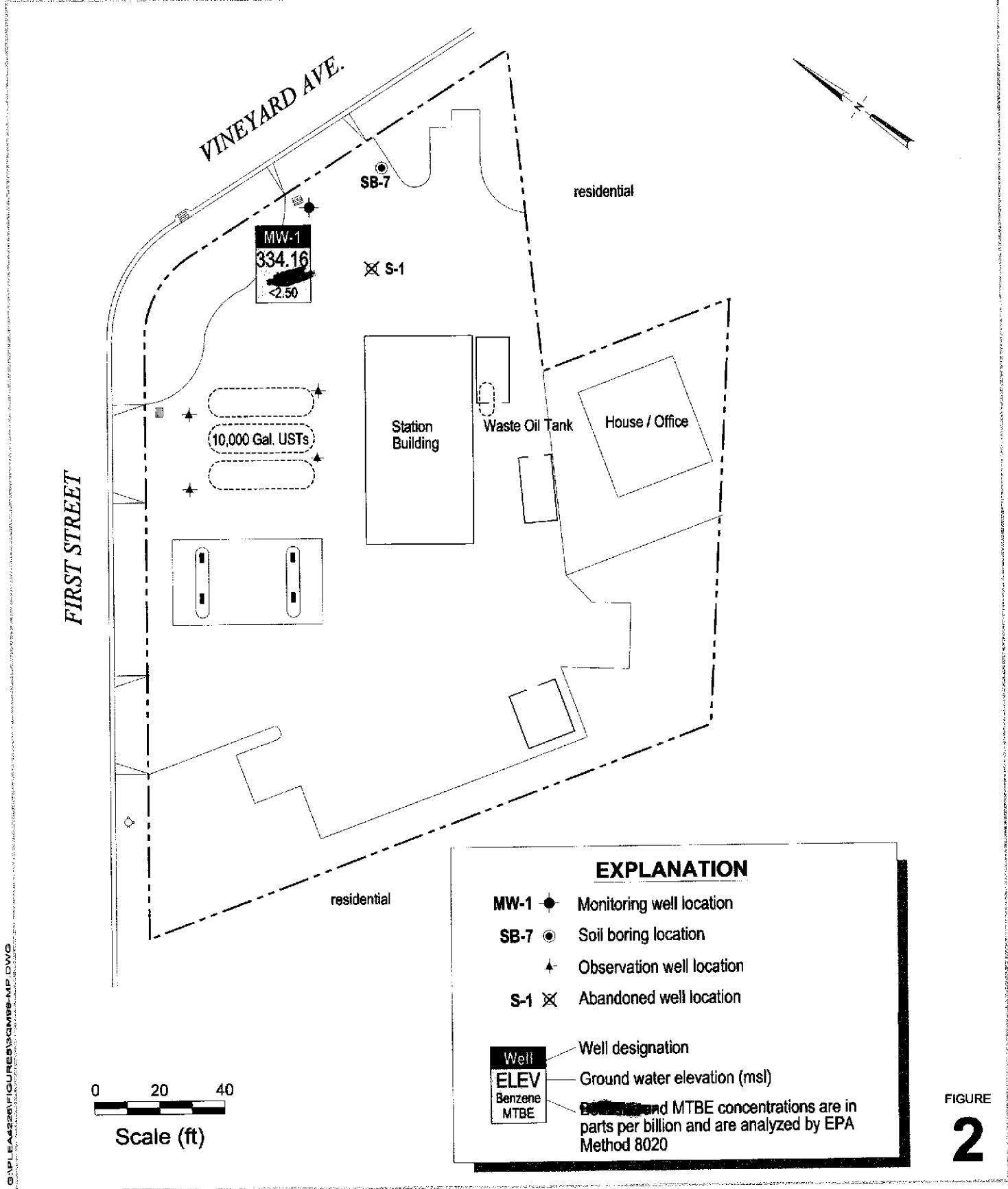


FIGURE 2

G:\PLEA4226\FIGURE3\QMB9-MP.DWG

Shell-branded Service Station
 4226 First Street
 Pleasanton, California
 Incident #98995840



C A M B R I A

Ground Water Elevation Map

September 24, 1999

ATTACHMENT A

Blaine Ground Water Monitoring Report
and Field Notes

BLAINE
TECH SERVICES INC.



1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

October 25, 1999

Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249

Third Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
4226 First Street
Pleasanton, CA

Monitoring performed on September 24, 1999

Groundwater Monitoring Report **990924-S-2**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purge water (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", with a long horizontal flourish extending to the right.

Deidre Kerwin
Operations Manager

DK/ek

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Shell-branded Service Station
4226 First Street
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-1	06/16/1999	NA	NA	NA	NA	NA	NA	NA	371.20	37.81	333.39
MW-1	06/30/1999	89.0	5.89	<0.500	<0.500	0.652	<5.00	NA	371.20	33.65	337.55
MW-1	09/24/1999	1,560	473	<10.0	<10.0	22.8	<2.50	NA	371.20	37.04	334.16

Abbreviations:

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

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

NA = Not applicable

Notes:

Well MW-1 surveyed on May 4, 1999, by Virgil Chavez Land Surveying of Vallejo, California.



Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

October 18, 1999

Leah Davis
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: Equiva 4226 First Street, Pleasanton/M909890

Dear Leah Davis

Enclosed are the results of analyses for sample(s) received by the laboratory on September 27, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kayvan Kimyai
Project Manager D.M.

CA ELAP Certificate Number 1210





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 4226 First Street Project Manager: Leah Davis	Sampled: 9/24/99 Received: 9/27/99 Reported: 10/18/99
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ANALYTICAL REPORT FOR M909890

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	M909890-01	Water	9/24/99





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 4226 First Street Project Manager: Leah Davis	Sampled: 9/24/99 Received: 9/27/99 Reported: 10/18/99
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1				M909890-01			Water	
Purgeable Hydrocarbons	9100222	10/8/99	10/8/99		1000	1560	ug/l	1
Benzene	"	"	"		10.0	473	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	ND	"	
Xylenes (total)	"	"	"		10.0	22.8	"	
Methyl tert-butyl ether	"	"	10/6/99		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	10/8/99	70.0-130		106	%	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 4226 First Street Project Manager: Leah Davis	Sampled: 9/24/99 Received: 9/27/99 Reported: 10/18/99
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9100222			Date Prepared: 10/8/99			Extraction Method: EPA 5030B [P/T]				
Blank			9100222-BLK1							
Purgeable Hydrocarbons	10/8/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.50				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.54	"	70.0-130	95.4			
LCS			9100222-BS1							
Purgeable Hydrocarbons	10/8/99			114	ug/l	70.0-130				
Benzene	"	10.0		8.98	"	70.0-130	89.8			
Toluene	"	10.0		8.40	"	70.0-130	84.0			
Ethylbenzene	"	10.0		8.64	"	70.0-130	86.4			
Xylenes (total)	"	30.0		26.0	"	70.0-130	86.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.20	"	70.0-130	82.0			
LCS Dup			9100222-BSD1							
Purgeable Hydrocarbons	10/8/99			113	ug/l	70.0-130		25.0		
Benzene	"	10.0		9.37	"	70.0-130	93.7	25.0	4.25	
Toluene	"	10.0		8.65	"	70.0-130	86.5	25.0	2.93	
Ethylbenzene	"	10.0		8.86	"	70.0-130	88.6	25.0	2.51	
Xylenes (total)	"	30.0		26.6	"	70.0-130	88.7	25.0	2.28	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.46	"	70.0-130	94.6			





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 4226 First Street Project Manager: Leah Davis	Sampled: 9/24/99 Received: 9/27/99 Reported: 10/18/99
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Notes and Definitions

#	Note
1	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference



BLAINE TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY

CLIENT: Equiva - Karen Petryna

SITE: 4226 First Street
Pleasanton, CA

SAMPLE I.D.	S = SOIL W = H2O	MATRIX		TOTAL	CONTAINERS
MW-1	W			3	

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT						
TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH-diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010	
X	X					

LAB SEQUOIA DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

EPA RWQCB REGION

LIA

OTHER

SPECIAL INSTRUCTIONS

Send invoice to Equiva M 909 890

Incident # 98995840

Send report to Blaine Tech Services

Attn: Ann Pember

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			01

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
RELEASED BY <i>[Signature]</i>	DATE	TIME	RECEIVED BY <i>[Signature]</i>	DATE	TIME
RELEASED BY <i>[Signature]</i>	DATE	TIME	RECEIVED BY <i>[Signature]</i>	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

9-27-99

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990924-SZ</u>	Job #: <u>98995840</u>
Sampler: <u>KPS</u>	Date: <u>9/24/99</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>56.74</u>	Depth to Water: <u>23.04</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer
 Middleburg
 Electric Submersible
 Extraction Pump

Sampling Method: Bailer
 Extraction Port
 Other: _____

Other: _____

<u>3</u>	x	<u>3</u>	=	<u>9</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>16:45</u>	<u>73.0</u>	<u>6.7</u>	<u>1899</u>	<u>5200</u>	<u>3</u>	
<u>16:49</u>	<u>73.2</u>	<u>6.8</u>	<u>1873</u>	<u>7200</u>	<u>6</u>	
<u>16:54</u>	<u>73.5</u>	<u>6.8</u>	<u>1825</u>	<u>7200</u>	<u>9</u>	

Did well dewater? Yes No

Gallons actually evacuated: 9

Sampling Time: 17:00 Sampling Date: 9/24/99

Sample I.D.: _____ Laboratory: Sequoia -- BC Other: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV