CAMBRIA

ENVIRORMENTAL PROTECTION

February 16, 2000

00 FEB 22 PM 3: 16

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

Re:

Fourth Quarter 1999 Monitoring Report

Shell-branded Service Station 4226 First Street Pleasanton, California Incident #98995840 Cambria Project #242-0523-002



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.

FOURTH QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site well. 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.

Site Investigation Work Plan: Cambria prepared a site investigation work plan as requested by Alameda County Health Care Services Agency in their September 14, 1999 correspondence to Equiva Services LLC, and submitted drilling applications for the two monitoring wells.

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

ANTICIPATED FIRST QUARTER 2000 ACTIVITIES

Cambria Environmental Site Investigation: Cambria will install and sample two on-site monitoring wells as part of the quarterly sampling activities.

Technology, Inc.

Ground Water Monitoring: Blaine will develop the two new monitoring wells, gauge and sample all wells, and tabulate the data. Cambria will prepare a monitoring report.

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



A El for.

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

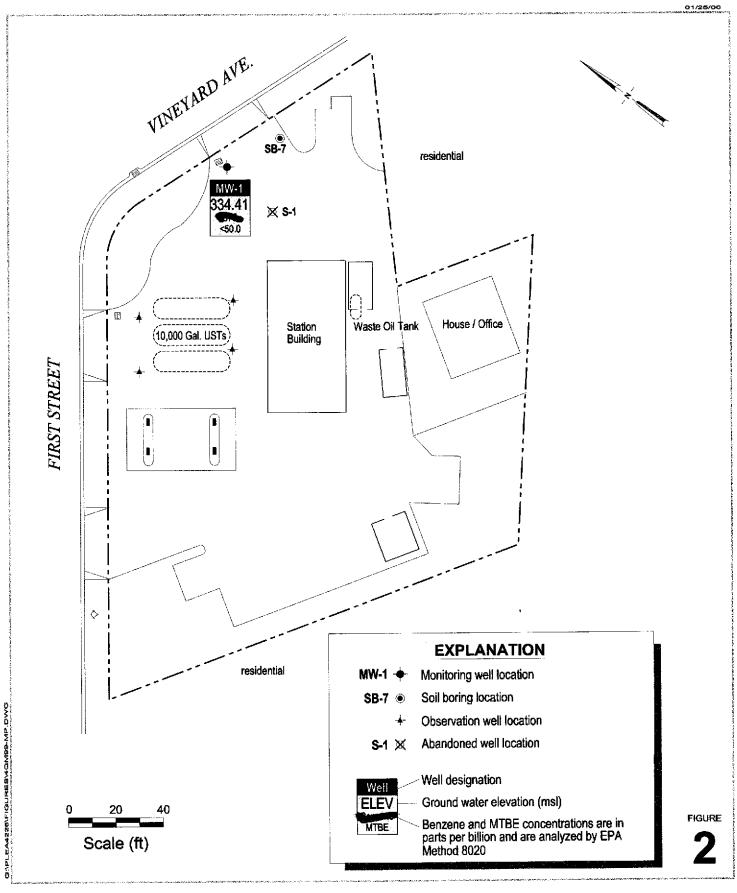
cc:

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

NO. 6717

Douglas E & Mary M Safreno, 1627 Vineyard Avenue, Pleasanton, CA 94566-6389

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4226 First Street Pleasanton, California Incident #98995840



Ground Water Elevation Map

CAMBRIA

December 8, 1999

ATTACHMENT A

Blaine Ground Water Monitoring Report and Field Notes



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

January 10, 2000

Karen Petryna Equiva Services LLC P.O. Box 7869 Burbank, CA 91510-7869

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

Monitoring performed on December 8, 1999

Groundwater Monitoring Report 991208-P-1

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. Purgewater (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

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

							MTBE	MTBE		Depth to	GW
Well ID	Date	TPPH	В	T	E	Х	8020	8260	TOC	Water	Elevation
		(ug/L)	(MSL)	(ft.)	(MSL)						

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
MWa	12/03/1959	編4,020層	$-i \cdot j \cdot j$	25.01	50702	6/4	3.50%		84020	Goy (S)	age en e

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

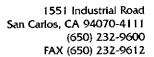
ft = Feet

<n = Below detection limit

NA = Not applicable

Notes:

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





January 3, 2000

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

RE: Equiva(2)/L912102

Dear Leah Davis:

Enclosed are the results of analyses for sample(s) received by the laboratory on December 10, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson Project Manager

CA ELAP Certificate Number I-2360



1551 Industrial Road San Carlos, CA 94070-4111 (650) 232-9600 FAX (650) 232-9612

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Project: Equiva(2)

Project Manager: Leah Davis

Project Number: 4226 First St., Pleasanton/991208-P1

Sampled: 12/8/99

Received: 12/10/99 Reported: 1/3/00

ANALYTICAL REPORT FOR L912102

			D (0 1 1
Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	L912102-01	Water	12/8/99





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Project: Equiva(2)

Sampled: 12/8/99

Project Number: Project Manager:

4226 First St., Pleasanton/991208-P1

Received: 12/10/99 Reported: 1/3/00

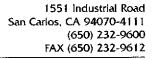
Sample Description:

Laboratory Sample Number:

MW-1 L912102-01

Leah Davis

	Batch	Date	Date	Specific Method/	Reporting			
Analyte	Number	Prepared	Analyzed	Surrogate Limits	Limit	Result	Units	Notes*
		Seana	sia Analytical	- San Carlos				
Total Purgeable Hydrocarbons (C6-C1	2), BTEX ar			Jan Carros				
Purgeable Hydrocarbons as Gasoline	9120075	12/16/99	12/16/99		500	1020	ug/l	I
Benzene	If		If		5.00	375	"	
Toluene	It	11	If		5.00	ND		
Ethylbenzene	1f	11	If		5.00	ND	ri .	
Xylenes (total)	II	**	IF		5.00	15.2	n	
Methyl tert-butyl ether	II	71	It		50.0	ND	н	
Surrogate: a,a,a-Trifluorotoluene	ıı	н	tt	60.0-140		95.3	%	



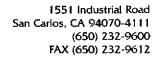


Blaine Tech Services Project: Equiva(2) Sampled: 12/8/99
1680 Rogers Avenue Project Number: 4226 First St., Pleasanton/991208-P1 Received: 12/10/99
San Jose, CA 95112 Project Manager: Leah Davis Reported: 1/3/00

Total Purgeable Hydrocarbous (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control Sequoia Analytical - San Carlos

	Date	Spike	Sample	QC		Reporting Limit	Recov.	RPD	RPD	
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	%	Notes*
Batch: 9120075	Date Prepar	red: 12/16	/99		Extraction Method; EPA 5030B [P/T]					
Blank	9120075-BI		<u> </u>				-			
Purgeable Hydrocarbons as Gasoline	12/16/99	4114		ND	ug/l	50.0				
Benzene	12/10/55			ND	11	0.500				
Toluene	ff .			ND	11	0.500				
Ethylbenzene	11			ND	81	0.500				
Xylenes (total)	Ħ			ND	**	0.500				
Methyl tert-butyl ether	11			ND	Ħ	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.75	"	60.0-140	87.5			
LCS	9120075-BS	<u> </u>								
Benzene	12/16/99	10.0		8.44	ug/l	70.0-130	84.4			
Toluene	TT	10.0		8.13	11	70.0-130	81.3			
Ethylbenzene	TF	10.0		7.99	TŤ	70.0-130	79.9			
Xylenes (total)	11	30.0		24.4	**	70.0-130	81.3			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.84	"	60.0-140	98.4			
LCS	9120075-BS	<u> 32</u>								
Purgeable Hydrocarbons as Gasoline	12/16/99	250		262	ug/l	70.0-130	105			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		11.8	"	60.0-140	118			
Matrix Spike	9120075-M	<u>S1 L9</u>	912089-02							
Purgeable Hydrocarbons as Gasoline	12/16/99	250	ND	328	ug/l	60.0-140	131			
Surrogate: a,a,a-Trifluorotoluene	n	10.0		13.6	,r	60.0-140	136			2
Matrix Spike Dup	9120075-M	SD1 L	912089-02							
Purgeable Hydrocarbons as Gasoline	12/16/99	250	ND	312	ug/l	60.0-140	125	25.0	4.69	
Surrogate: a,a,a-Trifluorotoluene	rr	10.0		12.0	"	60.0-140	120			

Sequoia Analytical - San Carlos





Blaine Tech Services Project: Equiva(2) Sampled: 12/8/99
1680 Rogers Avenue Project Number: 4226 First St., Pleasanton/991208-P1 Received: 12/10/99
San Jose, CA 95112 Project Manager: Leah Davis Reported: 1/3/00

Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
2	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 SAN JOSE, CALIFORNIA 95112-1105		CO	VDUCT	ANAL	YSIS TO DETEC	ILAB SEQUOIA IDHS#
Pleasanton, CA	TE ALL CONTAINERS	gas, BTEX	8260	sel	tes by 8260 & EDB by 8010	ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIM SET BY CALIFORNIA DHS AND PPA RWOCB REGION LIA OTHER SPECIAL INSTRUCTIONS Send invoice to Equiva Incident # 98995840
2AMOLE LD #	C = COMPOSITE		MTBE BY	TPH-diesel	Oxygenates	Send report to Blaine Tech Services Attn: Ann Pember ADD'LINFORMATION STATUS CONDITION LAB SAMPLE
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WELL GAUGING DATA

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Site 4226 First St.	Pleasanton	

Well ID	Well Size (in.)		Depth to / Immiscible / Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Immiscibles Removed		Depth to well bottom (ft.)	Survey Point: TOE or TOC	
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EQUIVA WELL MONITORING DATA SHEET

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	PA			Date: 12	-8-99		
	MW-			Well Diamet	ter: (2) 3	4 6	8
Total We	ell Depth:	56	75	Depth to Wa	der: 36.7	9	
Depth to	Free Produ	ıct:		1	Free Product (1		
Referenc	ed to:	PYC	Grade				
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Sampling 7	Time: 8	:30		Sampling Date:		1.)	
Sample I.D).; MW-	-1	· ·			24	
Analyzed fo	or: TPH-G	BIEX V		Other:	Sequoid BC	Other_	
D.O. (if req	('d):		Pre-purge:	mg/L	D		nio
D.R.P. (if re	eq'd):		Pre-purge:	inV	1 - 6 - 1		mg/L
				111 1	Post-purge:		mV