CAMBRIA Environmental Technology

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

TRANSMITTAL LETTER

TO: **Mr. Scott Seery**

FROM: Mari Reeves

COMPANY: Alameda County Department of Environmental Health

DATE: February 6, 1996

SUBJECT: Quarterly Monitoring Report for 15595 Washington Avenue, San Lorenzo

PROJECT NUMBER:

COMMENTS:

Dear Mr. Seery,

Please find enclosed the Fourth Quarter 1995 Monitoring Report for the site referenced above. As we discussed on the phone this afternoon, the report is late because it was originally mailed to an incorrect address. I apologize for any inconvenience this has caused you.

Please call me at (510) 420-9174 if you have any questions or comments.

Sincerely,

Mari Reeves

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CAMBRIA
Environmental Technology, Inc.

February 6, 1996

Mr. Scott Seery
Alameda County Environmental Health Department
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94621

Re: ***Fourth Quarter Monitoring Report***
15595 Washington Avenue
San Lorenzo, California

Dear Mr. Seery:

This report summarizes the fourth quarter 1995 ground water monitoring results for the site referenced above. The fourth quarter 1995 activities, anticipated first quarter 1996 activities, and the current hydrocarbon distribution in ground water are discussed below.

Fourth Quarter 1995 Activities:

Cambria Environmental Technology, Inc. of Oakland, California (Cambria) collected ground water samples from wells MW-1, MW-2, and MW-3 [redacted] The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene and xylenes (BTEX). Cambria also gauged all site wells and checked them for liquid-phase hydrocarbons. No liquid-phase hydrocarbons were detected.

Anticipated Future Activities:

Cambria anticipates performing a subsurface investigation to determine the vertical extent of hydrocarbons in soil and the lateral extent of hydrocarbons in ground water. The scope of this investigation includes installing two new monitoring wells. Once the new wells are installed, Cambria will gauge all site wells, check the wells for liquid-phase hydrocarbons, and collect water samples from the wells. Cambria will then tabulate the data and prepare a comprehensive investigation report that includes the quarterly monitoring data.

1144 Sixty-Fifth Street Suite C Oakland, CA 94608 Fax (510) 420-9170 Phone (510) 420-0700

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Hydrocarbon Distribution in Ground Water:

Only one onsite monitoring well, well MW-1, contained detectable TPHg and benzene, at concentrations of 350 and 18 parts per billion (ppb), respectively (Table 1, Attachment A). MW-1 lies on the northern edge of the existing Underground Storage Tank (UST) field, and directly south of the pump islands. Ground water elevations this quarter indicate that ground water flows toward the northwest (Figure 1).

Please call if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Mari Reeves
Environmental Specialist

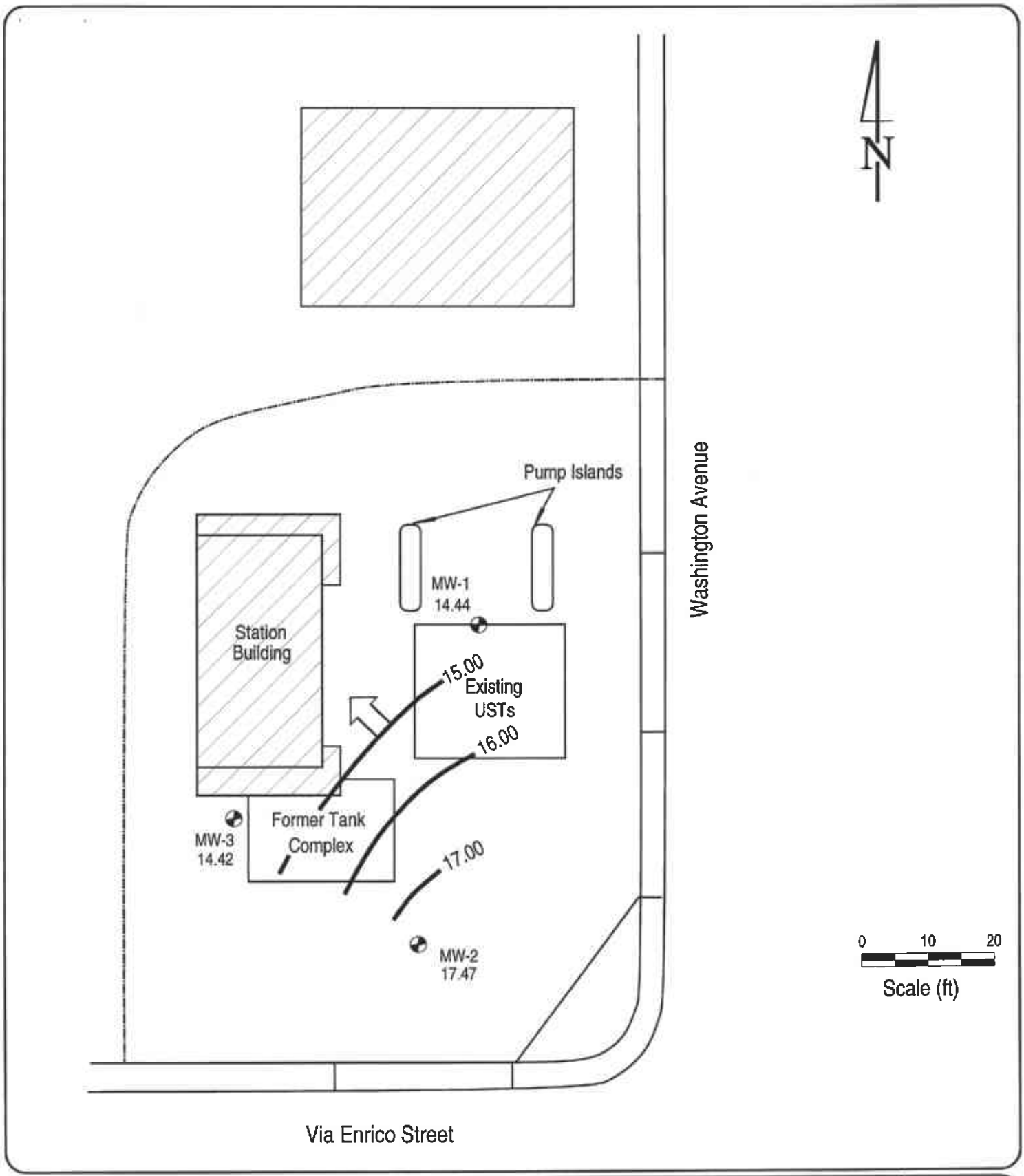
Joseph P. Theisen, C.E.G.
Principal Hydrogeologist

REGISTERED GEOLOGIST
JOSEPH P. THEISEN
No. EG-1845
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

D:\PROJECT\MISC\CALLERI\QM-4-95.WPD

Attachments: A - Analytic Reports for Ground Water

cc: Julie Rose; Randick and O'Dea
M. Swanson, Attorney at Law



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Environmental Technology, Inc.

EXPLANATION
- Ground Water Monitoring Well
- Ground Water Flow Direction
- XX.XX Ground Water Elevation
- Ground Water Elevation Contour

Ground Water Elevations
December 15, 1995
15595 Washington Avenue
San Lorenzo, California

FIGURE
1

Table 1. Ground Water Elevation and Analytic Data -15595 Washington Avenue, San Lorenzo, California

Well ID	Well Elevation (TOC: ft-msl)	Date	Ground Water Depth (ft)	Ground Water Elevation (ft-msl)	TPHg	**Benzene**	Toluene	Ethylbenzene	Xylenes	Notes
					(Concentrations in ug/l)					
MW-1	22.93	12/15/95	8.49	14.44	350	**18**	2.9	3.5	2.8	a
MW-2	22.09	12/15/95	4.62	17.47	<50	<0.5	<0.5	<0.5	<0.5	
MW-3	22.73	12/15/95	8.31	14.42	<50	<0.5	<0.5	<0.5	<0.5	

Notes

Well Elevations taken from Texaco Quarterly Monitoring Report dated May 3,1994.

a - Unmodified or weakly modified gasoline is significant.

ATTACHMENT A

Analytic Reports for Ground Water

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

12/22/95

Dear Tara:

Enclosed are:

1). the results of **3** samples from your **# 67-244; Callari** project,

2). a QC report for the above samples

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

4). a bill for analytical services.

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,

Edward Hamilton

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Cambria Environmental Technology	Client Project ID: # 67-244; Callari	Date Sampled: 12/15/95
1144 65th Street, Suite C		Date Received: 12/18/95
Oakland, CA 94608	Client Contact: Tara Arrowood	Date Extracted: 12/18-12/20/95
	Client P.O:	Date Analyzed: 12/18-12/20/95

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

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)+	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
59669	MW-1	W	350,a	18	2.9	3.5	2.8	100
59670	MW-2	W	ND	ND	ND	ND	ND	105
59671	MW-3	W	ND	ND	ND	ND	ND	105
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

* water and vapor samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts 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 (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 12/18/95 Matrix: Water

Analyte	Concentration (ug/L)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.0	92.8	96.7	100	93	97	4.1
Benzene	0	10.4	11.0	10	104	110	5.6
Toluene	0	10.4	10.9	10	104	109	4.7
Ethyl Benzene	0	10.4	10.9	10	104	109	4.7
Xylenes	0	30.6	31.9	30	102	106	4.2
TPH (diesel)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRPH (oil & grease)	0	21500	19600	23700	91	83	9.2

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 12/19/95 Matrix: Water

Analyte	Concentration (ug/L)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.0	108.2	101.5	100	108	101	6.4
Benzene	0	8.9	8.8	10	89	88	1.1
Toluene	0	8.5	8.6	10	85	86	1.2
Ethyl Benzene	0	8.9	9.0	10	89	90	1.1
Xylenes	0	28.1	28.4	30	94	95	1.1
TPH (diesel)	0	155	150	150	103	100	3.1
TRPH (oil & grease)	0	24200	24200	23700	102	102	0.0

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

5477ACX93

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553
(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

REPORT TO: TARA ARROWOOD BILL TO: CAMBRIA

COMPANY: CAMBRIA ENVIRONMENTAL SERVICES

1144 65TH ST SUITE C
OAKLAND, CA 94608

TELE: (510) 420-0700 FAX #: (510) 420-9170

PROJECT NUMBER: 67-244 PROJECT NAME: CALLARI

PROJECT LOCATION: 15595 WASHINGTON AVE SAN LORENZO SAMPLER SIGNATURE:

	SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	METHOD PRESERVED: HCL	HNO3	OTHER	ANALYSIS REQUEST: BTEX & TPH as Gasoline (602/8020 & 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	EDB	OTHER	COMMENTS
+	MW-1		12/15	12:20	3	VOA	✓					✓			✓																59669
+	MW-2			2:20	3	VOA	✓					✓			✓																59670
+	MW-3			1:41	3	VOA	✓					✓			✓																59671

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Adam Keri	12/18	10:20	Dan Serio 792
Dan Serio	12/18	1230	Angela Rydelius
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

REMARKS:

	VOAS	O&G	METALS	OTHER
PRESERVATIVE	✓			

ICE/T° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
APPROPRIATE CONTAINERS ✓