

May 11, 1990
BEI Job No. 89070

Mr. Dennis Byrne
Alameda County Health Care Services Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Subject: Quarterly Groundwater Sampling
Peterson Properties
1301 - 65th Street
Emeryville, California

Dear Mr. Byrne:

This letter and its enclosures constitute the fourth quarterly groundwater sampling report for the subject facility as recommended in Blymyer Engineers, Inc.'s (BEI) Initial Subsurface Investigation and Tank Removal Soils Report dated July 14, 1988.

The existing monitoring well (MW-1) was sampled on November 8, 1989. The well was purged prior to sampling by removal of three well casing volumes of water. A representative sample was collected with a clean, teflon bailer and placed in two 40-ml volatile organics vials provided by the laboratory. The sample containers were labelled, packed on ice and delivered to Trace Analysis Laboratory, a California-certified laboratory. The sample was analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline using the California Department of Health Services Method and benzene, toluene, xylenes and ethylbenzene using EPA Method 8020. An equipment blank was collected after initial decontamination of the bailer, but it was not analyzed by the laboratory.

TPH as gasoline, benzene and ethylbenzene were detected in the water sample at concentrations of 440 ug/l (parts per billion), 270 ug/l and 5.9 ug/l, respectively. Toluene and xylenes were not detected in the water sample. A copy of the analytical report is attached.

This sampling event completes the first year of quarterly groundwater monitoring. The depth to groundwater measurements and contaminant concentrations for the first year are summarized in Table 1 (attached). TPH as gasoline, benzene and ethylbenzene concentrations have fluctuated, with the highest levels detected in the fourth quarter. BEI will therefore continue to sample this well on a quarterly basis for another year.

Mr. Dennis Byrne
Alameda County Health Care Services Agency
May 11, 1990
Page Two

If you have any questions, please contact the undersigned at (415) 521-3773.

Cordially,

BLYMYER ENGINEERS, INC.

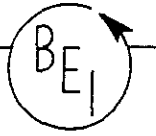


Michael S. Lewis
Environmental Specialist

Enclosures:

Groundwater Monitoring Data form dated 11/8/89
Purge Data form dated 11/8/89
Chain of Custody Record
Laboratory Analytical Report dated 11/20/89
Site Plan
Table 1 - Quarterly Sampling Results

cc: Mr. Lester Feldman, San Francisco Bay
Regional Water Quality Control Board
Mr. Ed Peterson
Mr. Robert Coussan
Mr. Charles Gensler
Mr. Lawrence C. Jones, Jr.
Rick Griffith, Esq.



GROUNDWATER MONITORING DATA

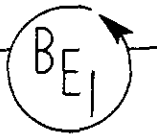
Project Name Peterson - Emeryville, CA Project No. 89070
 Date 11/8/89 Field Technician ML Sheet 1 of 1
 Weather Sunny Temperature 75 Wind Slight

WELL ID	TOC ELEV.	DTW	DTP	PT	PT x .8	ADJ. DTW	WATER ELEV.
<u>MW-1</u>	<u>-</u>	<u>3.91'</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
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TOC = TOP-OF-CASING
 DTW = DEPTH TO WATER
 DTP = DEPTH TO PRODUCT
 PT = PRODUCT THICKNESS

COMMENTS:

Well Volume = 3.15 gallons
Water is slightly silty; no petroleum odor.



PURGE DATA

Project Name Peterson - Emeryville, CA Project No. 89070

Date 11/8/89 Field Technician ML Sheet 1 of 1

WELL ID	WELL VOLUME NO.	pH	TEMPERATURE (C)	CONDUCTIVITY (umhos)
<u>MW-1</u>	<u>0</u>	<u>6.28</u>	<u>20.2</u>	<u>1223</u>
	<u>1</u>	<u>6.36</u>	<u>20.2</u>	<u>1218</u>
	<u>2</u>	<u>6.43</u>	<u>20.0</u>	<u>1266</u>
	<u>3</u>	<u>6.48</u>	<u>19.9</u>	<u>1269</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
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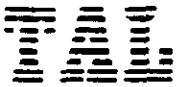
BEI Field Services

1829 Clement Avenue

Alameda, CA 94501

CHAIN OF CUSTODY RECORD

PROJ NO. 89070		PROJECT NAME Peterson - Emeryville			NO OF CON-TAINERS	TPH as gasoline + BTXE	TPH as diesel	Oil & Grease (SMS03E)	VOC (EPA 624/8240)	Semi-VOC (EPA 625/8270)	HOLD							REMARKS	
SAMPLERS (Signature) <i>Michael S. L.</i>																			
DATE	TIME	COMP.	GRAB	SAMPLE LOCATION															
11-8-89	11:55A	X		Bailer Blank	2 VOA's w/ HCl						X								
11-8-89	12:25P	X		MW-1	"	X													10 day TAT
Relinquished by : (Signature) <i>Michael S. L.</i>		Date/Time 11/8/89 2:28P		Received by : (Signature)			Relinquished by : (Signature)		Date/Time		Received by : (Signature)		Relinquished by : (Signature)		Date/Time		Received by : (Signature)		
Relinquished by : (Signature)		Date/Time		Received by : (Signature)			Relinquished by : (Signature)		Date/Time		Received by : (Signature)		Relinquished by : (Signature)		Date/Time		Received by : (Signature)		
Relinquished by : (Signature)		Date/Time		Received for Laboratory by : (Signature) <i>Carrie Decker</i>			Date/Time 11/8/89 2:28 P.M.		Remarks Bill to: Blymyer Engineers, Inc.										



DATE: 11/20/89
LOG NO.: 8029
DATE SAMPLED: 11/8/89
DATE RECEIVED: 11/8/89

CUSTOMER: Blymyer Engineers, Inc.
REQUESTER: Mike Lewis
PROJECT: No. 89070, Peterson-Emeryville

Sample Type: Water

<u>Method and Constituent</u>	<u>Units</u>	<u>MW-1</u>	
		<u>Concen- tration</u>	<u>Detection Limit</u>
DHS Method:			
Total Petroleum Hydro- carbons as Gasoline	ug/l	440	10
Modified EPA Method 8020:			
Benzene	ug/l	270	3
Toluene	ug/l	< 3	3
Xylenes	ug/l	< 9	9
Ethylbenzene	ug/l	5.9	4

A handwritten signature in cursive script, reading 'Louis W. DuPuis', is written over a horizontal line.

Louis W. DuPuis
Quality Assurance/Quality Control Manager

LWD:sam

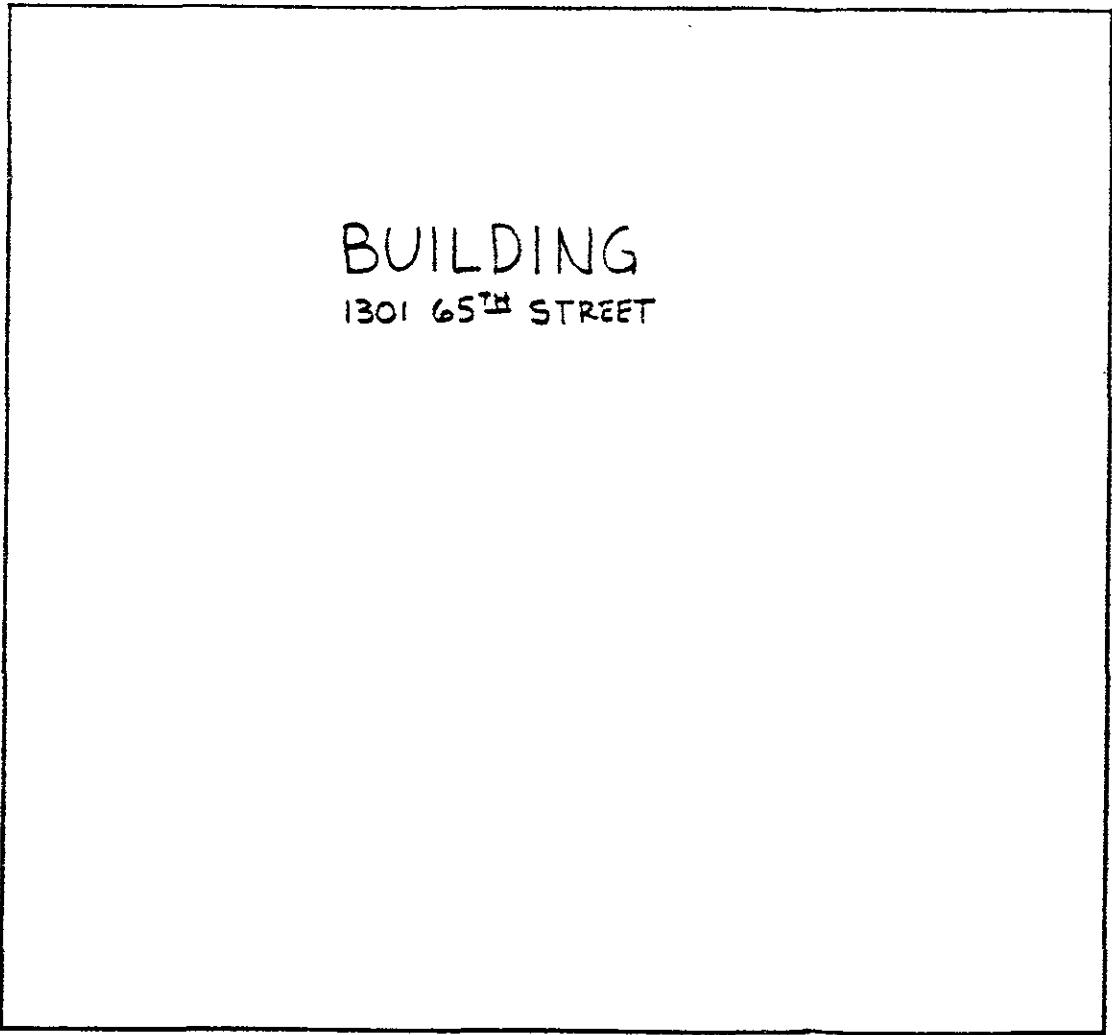
65TH STREET

UTILITY POLE
(TYP 2 LOCATIONS)

TANK
EXCAVATION

MW-1
⊗

HOLLIS STREET



BUILDING
1301 65TH STREET

N ↑

R

BLYMYER & SONS ENGINEERS, INC. 1829 CLEMENT STREET • ALAMEDA CA 94501	
SCALE 1" = 30'-0"	FOR HENRY HORN & SONS
DRAWN DATE 6-16-88	TITLE
CHECKED	
APPROVED	
JOB NO 8897.1	DRAWING NO

TABLE 1
 QUARTERLY SAMPLING RESULTS
 FEBRUARY THROUGH NOVEMBER, 1989

	<u>2/89</u>	<u>5/89</u>	<u>8/89</u>	<u>11/89</u>
Depth to Water (feet)	2.96	3.16	4.03	3.91
<u>Analytical Results</u> <u>(ug/l, parts per billion)</u>				
TPH as Gasoline	210	360	240	440
Benzene	<1	79	21	270
Toluene	<0.9	<2	<2	<3
Xylenes, total	<2	<4	<7	<9
Ethylbenzene	5.6	7.5	5.2	5.9

TPH = Total Petroleum Hydrocarbons