PES Environmental, Inc.
Engineering & Environmental Services

September 25, 2002

167.002.01.006

Mr. Don Hwang
Alameda County Environmental Health Services
1131 Harbor Parkway, Suite 250
Alameda, California 94502

QUARTERLY MONITORING REPORT
THIRD QUARTER 2002
FORMER COX CADILLAC FACILITY
230 BAY PLACE
OAKLAND, CALIFORNIA
LOP CASE RO-0000148

Dear Mr. Hwang:

This report presents the results of groundwater monitoring conducted on July 25, 2002 at the former Bill Cox Cadillac facility at 230 Bay Place, Oakland, California (Site, Plate 1). The groundwater monitoring was performed by PES Environmental, Inc. (PES) on behalf of the former property owner, Greater Bay Trust Company, trustee for the Robert Shepard Trust, Brian F. Shepard Trust, Douglas C. Shepard Trust, and Lisa C. Shepard Trust. The current owner of the Site is Avalon Bay Communities. Groundwater monitoring has been conducted in accordance with the requirements presented in an April 6, 2001 letter from Alameda County Environmental Health Services (ACEHS) to Greater Bay Trust.

Nine monitoring wells are located at and adjacent to the Site (Plate 2). The monitoring wells were installed to investigate subsurface conditions related to two former underground storage tanks (USTs) on the Site: one 3,000-gallon waste oil UST and one 10,000-gallon gasoline UST. The waste oil UST was removed in December 1988 and the gasoline UST and associated piping were removed in January 1994. Additional excavation of soil in the vicinity of the gasoline UST pump and piping was conducted by PES in July 1997.

QUARTERLY MONITORING ACTIVITIES

Depth to groundwater measurements, groundwater sampling activities, and dissolved oxygen measurements were performed by Blaine Tech Services, Inc. (Blaine Tech) on July 25, 2002. Blaine Tech's field data forms are presented in Appendix A.

Groundwater Elevation Measurements

Blaine Tech measured water levels in seven of the nine monitoring wells (MW-1, MW-2, TW-2, TW-4, TW-5, TW-6, and TW-7) on July 25, 2002. Depth-to-groundwater measurements were obtained using an electronic water-level indicator and recorded to the nearest 0.01 foot. The water-level indicator was cleaned with a solution of non-phosphate detergent and de-ionized water, and rinsed before each use. Groundwater elevation data (referenced to Site datum) are presented in Table 1 and inferred groundwater elevation contours are presented on Plate 3. Groundwater elevations ranged from 91.33 feet in well MW-2 to 98.54 feet in well TW-2. Groundwater flow direction is to the west, at a hydraulic gradient of approximately 0.046-foot per foot. No separate-phase free product or hydrocarbon sheen were observed in the wells.

Groundwater Sampling and Analysis

Five groundwater monitoring wells (MW-1, MW-2, TW-2, TW-6, and TW-7) were sampled on July 25, 2002. Samples from these wells were analyzed for total petroleum hydrocarbons quantified as gasoline (TPHg) using EPA Test Method 8015 modified; and benzene, toluene, ethylbenzene, total xylenes (BTEX compounds), and methyl tert-butyl ether (MTBE), using EPA Test Method 8020. Entech Analytical Labs, Inc. (Entech) of Santa Clara, California, a California state-certified laboratory, performed the chemical analyses. The analytical laboratory report, including chain-of-custody documentation, is included as Appendix B. Analytical results are presented in Table 2 and on Plate 4.

Dissolved Oxygen Measurements

Total dissolved oxygen was measured in seven of the nine Site monitoring wells (MW-1, MW-2, TW-2, TW-4, TW-5, TW-6, and TW-7) prior to measuring groundwater levels or sampling the wells. The measurements were collected from each well within the middle portion of the water column using a YSI, Inc., Model 51B Dissolved Oxygen (DO) Meter. The equipment was calibrated according to the manufacturer's specifications before use. Prior to each measurement, the portion of the equipment submerged in the well was cleaned with a solution of non-phosphate detergent and de-ionized water then rinsed with de-ionized water. Total dissolved oxygen measurements through July 25, 2002 are summarized in Table 3 and are included with the well sampling documentation presented in Appendix A.

SUMMARY

Groundwater monitoring of the former Cox Cadillac facility was conducted in the third quarter of 2002 on July 25, 2002. The monitoring was performed consistent with the monitoring program for the Site. The next quarterly sampling event is scheduled for October 2002.

Please contact us at (415) 899-1600 should you have questions regarding this letter report.

Very truly yours,

PES ENVIRONMENTAL, INC.

François A. Bush
Senior Geologist

Robert S. Creps, P. E.
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER ROBERT S. CREPS No. 45153 EXP. 9/30/06 CIVIL STATE OF CALIFORNIA

Attachments:

	Table 1	Groundwater Elevation Data Through July 25, 2002
	Table 2	Groundwater Sample Analytical Results Through July 25, 2002
	Table 3	Summary of Dissolved Oxygen Measurements
	Plate 1	Site Location Map
	Plate 2	Site Plan and Well Location Map
	Plate 3	Groundwater Elevation Contours on July 25, 2002
	Plate 4	Distribution of Dissolved Hydrocarbons in Groundwater – July 25, 2002
	Appendix A	Well Sampling Documentation
	Appendix B	Laboratory Analytical Reports and Chain of Custody Documentation

cc: Ms. Cheryl Howell – Greater Bay Trust Company
Rory Campbell, Esq. - Hanson Bridgett
Mr. Mark Owens – California UST Cleanup Fund
Ms. Lita Freeman - LFR

Table 1
Groundwater Elevation Data Through July 25, 2002
Quarterly Monitoring
Former Cox Cadillac, 230 Bay Place
Oakland, California

Well Number	Date Measured	Top-of-Casing Reference Elevation (feet*)	Depth to Water (feet BTOC)	Groundwater Elevation (feet*)
MW-1	12/22/1994	100.00	2.96	97.04
	3/24/1995		2.21	97.79
	6/29/1995		2.44	97.56
	9/29/1995		3.00	97.00
	2/23/1996		2.18	97.82
	1/12/1999		2.79	97.21
	4/13/1999		2.00	98.00
	7/7/1999		2.60	97.40
	10/6/1999		2.94	97.06
	1/11/2000		2.69	97.31
	4/6/2001		2.99	97.01
	7/25/2001		6.00	94.00
	11/20/2001		3.32	96.68
	1/23/2002		2.47	97.53
	4/26/2002		2.25	97.75
	7/25/2002		**3.04**	**96.96**
MW-2	1/12/1999	97.48	5.62	91.86
	4/13/1999		5.30	92.18
	7/7/1999		5.80	91.68
	10/6/1999		5.99	91.49
	1/11/2000		5.73	91.75
	4/6/2001		5.65	91.83
	7/25/2001		6.41	92.07
	11/20/2001		5.89	92.59
	1/23/2002		5.68	91.80
	4/26/2002		5.85	91.63
	7/25/2002		**6.15**	**91.33**
TW-2	12/22/1994	100.43	2.88	97.55
	3/24/1995		1.87	98.56
	6/29/1995		2.10	98.33
	9/29/1995		3.02	97.41
	2/23/1996		2.13	98.30
	1/12/1999		1.91	98.52
	4/13/1999		2.51	97.92
	7/7/1999		1.89	98.54
	10/6/1999		1.97	98.46
	1/11/2000		1.79	98.64
	4/6/2001		3.46	96.97
	7/25/2001		2.60	98.83
	11/20/2001		1.85	99.58
	1/23/2002		3.21	97.22
	4/26/2002		4.30	96.13
	7/25/2002		**1.89**	**98.54**

Table 1
Groundwater Elevation Data Through July 25, 2002
Quarterly Monitoring
Former Cox Cadillac, 230 Bay Place
Oakland, California

Well Number	Date Measured	Top-of-Casing Reference Elevation (feet*)	Depth to Water (feet BTOC)	Groundwater Elevation (feet*)
TW-4	4/13/1999	99.35	1.82	97.53
	7/7/1999		2.36	96.99
	1/11/2000		2.63	96.72
	4/6/2001		3.97	95.38
	7/25/2001		2.55	96.80
	11/20/2001		2.33	97.02
	1/23/2002		2.26	97.09
	4/26/2002		2.20	97.15
	7/25/2002		**2.24**	**97.11**
TW-5	4/13/1999	99.40	1.96	97.44
	7/7/1999		3.12	92.28
	1/11/2000		1.03	98.37
	4/6/2001		3.04	96.36
	7/25/2001		3.90	95.50
	11/20/2001		2.55	96.85
	1/23/2002		2.64	96.76
	4/26/2002		2.50	96.90
	7/25/2002		**3.15**	**96.25**
TW-6	12/22/1994	98.75	4.66	94.09
	3/24/1995		3.81	94.94
	6/29/1995		5.25	93.50
	9/29/1995		6.12	92.63
	2/23/1996		3.66	95.09
	1/12/1999		5.52	93.23
	4/13/1999		4.91	93.84
	7/7/1999		6.04	92.71
	10/6/1999		6.64	92.11
	1/11/2000		6.41	92.34
	4/6/2001		4.93	93.82
	7/25/2001		6.72	92.03
	11/20/2001		5.44	93.31
	1/23/2002		3.25	95.50
	4/26/2002		3.40	95.35
	7/25/2002		**6.54**	**92.21**
TW-7	12/22/1994	97.96	4.50	93.46
	3/24/1995		2.98	94.98
	6/29/1995		4.30	93.66
	9/29/1995		5.19	92.77
	2/23/1996		3.45	94.51
	1/12/1999		4.81	93.15
	4/13/1999		4.73	93.23
	7/7/1999		5.17	92.79
	10/6/1999		5.70	92.26

Table 1
Groundwater Elevation Data Through July 25, 2002
Quarterly Monitoring
Former Cox Cadillac, 230 Bay Place
Oakland, California

Well Number	Date Measured	Top-of-Casing Reference Elevation (feet*)	Depth to Water (feet BTOC)	Groundwater Elevation (feet*)
TW-7 (cont.)	1/11/2000		5.42	92.54
	4/6/2001		4.63	93.33
	7/25/2001		6.80	91.16
	11/20/2001		4.75	93.21
	1/23/2002		5.68	92.28
	4/26/2002		4.80	93.16
	7/25/2002		**5.61**	**92.35**

Notes:

* = Referenced to site datum
BTOC = Below top of casing
NA = Data not available
NM = Depth to water not measured

Table 2
Groundwater Sample Analytical Results Through July 25, 2002
Quarterly Monitoring
Former Cox Cadillac, 230 Bay Place
Oakland, California

Well Number	Sample Date	TPH as Gasoline (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Dissolved Lead (µg/L)
MW-1	3/3/1993	110,000	NA	8,500	7,500	4,400	15,000	NA	350	NA	NA
	10/13/1993	74,000	NA	6,100	4,800	4,000	11,000	NA	350	80	NA
	12/22/1994	110,000	NA	18,000	11,000	2,800	16,000	<1.0	130	NA	NA
	3/24/1995	25,000	NA	3,700	1,800	2,200	4,700	<5.0	130	NA	23
	6/29/1995	28,000	NA	5,300	2,100	3,200	7,500	<2.0	110	NA	14
	9/29/1995	43,000	NA	5,600	2,200	3,800	7,400	<1.0	98	NA	16
	2/23/1996	46,000	NA	4,800	3,000	3,400	7,700	<1.0	96	NA	24
	1/12/1999	39,000	800	2,600	970	2,900	5,700	NA	NA	NA	NA
	4/13/1999	29,000	520	1,500	500	<50	4,000	NA	NA	NA	NA
	7/7/1999	31,000	<250	1,900	870	1,600	3,900	NA	NA	NA	NA
	10/6/1999	32,000	<250*	2,100	910	1,800	4,400	NA	NA	NA	NA
	1/11/2000	2,400	<5.0*	52	3.9	63	12	NA	NA	NA	NA
	4/6/2001	32,000	<10*	4,300	3,200	2,600	7,300	NA	NA	NA	NA
	7/25/2001	24,000	<25*	2,300	1,300	2,500	6,200	NA	NA	NA	NA
	11/20/2001	33,000	<100*	2,100	890	2,500	3,600	NA	NA	NA	NA
	1/23/2002	28,000	350	2,400	1,400	2,500	5,900	NA	NA	NA	NA
	4/26/2002	39,000	2,800	3,200	2,400	2,700	6,300	NA	NA	NA	NA
	7/25/2002	**26,000**	**<500**	**2,300**	**1,300**	**2,500**	**4,700**	**NA**	**NA**	**NA**	**NA**
MW-2	1/12/1999	<50	2,900	1.5	<0.50	<0.50	<0.50	NA	NA	NA	NA
	4/13/1999	<50	3,800	0.76	<0.50	<0.50	<0.50	NA	NA	NA	NA
	7/7/1999	<2,500	7000*	<25	<25	<25	<25	NA	NA	NA	NA
	10/6/1999	2,800	300*	73	<25	<25	<25	NA	NA	NA	NA
	1/11/2000	11,000	8,400*	890	<100	<100	<100	NA	NA	NA	NA
	4/6/2001	2,800	3,800	210	<25	<25	<25	NA	NA	NA	NA
	7/25/2001	3,400	4,200*	250	<12.5	<12.5	<12.5	NA	NA	NA	NA
	11/20/2001	12,000	8,700	870	<100	<100	200	NA	NA	NA	NA
	1/23/2002	3,900	3,300	100	<25	<25	<25	NA	NA	NA	NA
	4/26/2002	90	6,900	13	<0.5	<0.5	<1.5	NA	NA	NA	NA
	7/25/2002	**<5,000**	**6,600**	**<50**	**<50**	**<50**	**<100**	**NA**	**NA**	**NA**	**NA**
TW-1	10/13/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA
TW-2	10/13/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA
	1/12/1999	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	4/13/1999	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	7/7/1999	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/6/1999	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	1/11/2000	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	4/6/2001	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	7/25/2001	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	11/20/2001	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	1/23/2002	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	4/26/2002	<50	<5	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	NA
	7/25/2002	**<50**	**<5**	**<0.5**	**<0.5**	**<0.5**	**<1**	**NA**	**NA**	**NA**	**NA**
TW-3	10/13/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA
TW-4	10/13/1993	2,000	NA	65	18	49	33	NA	<5.0	<5.0	NA
TW-5	10/13/1993	140,000	NA	20,000	25,000	3,800	23,000	NA	<100	<100	NA
TW-6	10/14/1993	4,100	NA	3,800	1,600	110	540	NA	<1.0	<1.0	NA
	12/22/1994	24,000	NA	5,400	2,700	3,100	6,800	<1.0	<1.0	NA	NA
	3/24/1995	10,000	NA	4,900	530	270	380	<2.0	<2.0	NA	<3.0
	6/29/1995	28,000	NA	12,000	6,600	1,000	3,000	<1.0	<1.0	NA	4.2
	9/29/1995	47,000	NA	19,000	5,200	1,500	4,000	<1.0	<1.0	NA	3.3
	2/23/1996	25,000	NA	13,000	5,200	1,100	2,770	<1.0	<1.0	NA	5.2
	1/12/1999	29,000	210	9,900	4,100	1,000	4,000	NA	NA	NA	NA
	4/13/1999	<50	22	0.70	<0.5	<0.5	0.62	NA	NA	NA	NA
	7/7/1999	55	8.1*	13	<0.5	<0.5	2.2	NA	NA	NA	NA
	10/6/1999	<50	<5	0.59	<0.5	<0.5	<0.5	NA	NA	NA	NA
	1/11/2000	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	4/6/2001	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	7/25/2001	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	11/20/2001	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	1/23/2002	<50	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	4/26/2002	<50	<5	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	NA
	7/25/2002	**<50**	**<5**	**0.60**	**<0.5**	**<0.5**	**<1**	**NA**	**NA**	**NA**	**NA**

Table 2
Groundwater Sample Analytical Results Through July 25, 2002
Quarterly Monitoring
Former Cox Cadillac, 230 Bay Place
Oakland, California

Well Number	Sample Date	TPH as Gasoline (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Dissolved Lead (µg/L)
TW-7	10/14/1993	100,000	NA	48,000	15,000	3,400	16,000	NA	<50	<50	NA
	12/22/1994	210,000	NA	49,000	33,000	7,300	28,000	<1.0	<1.0	NA	NA
	3/24/1995	56,000	NA	13,000	7,000	1,500	5,600	<2.0	<2.0	NA	<3.0
	6/29/1995	100,000	NA	39,000	8,100	3,000	8,300	<1.0	<1.0	NA	3.5
	9/29/1995	74,000	NA	32,000	8,700	2,900	8,600	<1.0	<1.0	NA	3.5
	2/23/1996	50,000	NA	22,000	8,400	2,700	6,900	<5.0	<5.0	NA	3.8
	1/12/1999	29,000	<100	7,300	670	2,700	960	NA	NA	NA	NA
	4/13/1999	54,000	1,200	4,500	1,800	180	8,200	NA	NA	NA	NA
	7/7/1999	42,000	2200*	8,000	4,500	1,200	3,500	NA	NA	NA	NA
	10/6/1999	29,000	580*	9,700	1,600	1,600	2,100	NA	NA	NA	NA
	1/11/2000	52,000	2,600*	8,500	7,100	1,600	6,700	NA	NA	NA	NA
	4/6/2001	22,000	690	4,800	1,800	2,200	3,400	NA	NA	NA	NA
	7/25/2001	20,000	1,100*	5,100	660	1,400	2,100	NA	NA	NA	NA
	11/20/2001	26,000	1,600	6,400	1,100	1,000	2,400	NA	NA	NA	NA
	1/23/2002	25,000	1,200	5,100	510	2,200	3,900	NA	NA	NA	NA
	4/26/2002	29,000	1,600	4,400	1,300	2,900	2,370	NA	NA	NA	NA
	7/25/2002	**21,000**	**1,900**	**4,900**	**470**	**1,600**	**1,700**	**NA**	**NA**	**NA**	**NA**

Notes:
TPH - Total Petroleum Hydrocarbons
MTBE - Methyl tert-butyl ether
1,1-DCA and 1,2-DCA - Dichloroethane
EDB - Ethylene dibromide
µg/L = Micrograms per liter.
<0.50 = Not detected at or above indicated laboratory reporting limit.
Samples analyzed for BTEX and MTBE by EPA Method 8020.
Samples analyzed for TPHgas by EPA Methods 8020 and 8015 Modified.
Samples analyzed for 1,1-DCA and 1,2-DCA by EPA Method 8010 or EPA Method 8240.
Samples analyzed for dissolved lead by EPA Method 6010A. Samples filtered through a 0.45 micron filter prior to analysis.
*MTBE confirmation by EPA Method 8260.
NA= Not Analyzed
TW-1, TW-3, TW-4 and TW-5 only sampled one time (October 13, 1993)
Samples collected in 1993 and 1999 to 2002 were collected by PES Environmental, Inc.
Samples collected in 1994, 1995, and 1996 collected by Eisenberg, Olivieri & Associates, Inc.

Table 3
Summary of Total Dissolved Oxygen Measurements
Quarterly Monitoring
Former Cox Cadillac, 230 Bay Place
Oakland, California

Well Number	Date Measured	Time of Day	Total Dissolved Oxygen (mg/L)	Notes
MW-1	1/12/1999	15:30	3.4	(1)
	3/11/1999	15:46	0.72	(1)
	3/17/1999	12:30	14.1	(2)
	3/17/1999	18:13	>15.0	(3)
	4/13/1999	9:44	8.9	(2)
	6/1/1999	14:59	6.2	(2)
	6/1/1999	18:46	>15.0	(3)
	7/7/1999	9:20	3.55	(2)
	7/7/1999	19:38	>18.0	(3)
	8/19/1999	10:45	1.0	(2)
	8/19/1999	18:48	>15.0	(3)
	10/6/1999	10:42	10.3	(2)
	10/6/1999	17:11	>15.0	(3)
	11/17/1999	11:13	4.4	(2)
	11/17/1999	17:34	>15.0	(3)
	1/11/2000	NA	4.0	(2)
	4/6/2001	10:55	0.45	(4)
	7/25/2001	11:25	3.60	(4)
	11/20/2001	12:30	10.3	(4)
	1/23/2002	12:05	0.5	(4)
	4/26/2002	10:20	0.5	(4)
	7/25/2002	10:15	1.0	(4)
MW-2	1/12/1999	12:30	3	(1)
	4/13/1999	9:17	0.2	(2)
	4/13/1999	19:11	0.6	(3)
	7/7/1999	8:56	1.03	(2)
	7/7/1999	19:13	7.22	(3)
	10/6/1999	10:10	1.2	(2)
	10/6/1999	16:58	0.5	(3)
	1/11/2000	NA	3.9	(2)
	4/6/2001	10:21	0.69	(4)
	7/25/2001	11:25	3.10	(4)
	11/20/2001	13:20	5.00	(4)
	1/23/2002	11:46	0.30	(4)
	4/26/2002	9:40	0.40	(4)
	7/25/2002	11:10	0.8	(4)
TW-2	1/12/1999	15:03	5.5	(1)
	4/13/1999	9:10	2.6	(2)
	4/13/1999	19:06	5.8	(3)
	7/7/1999	8:50	0.65	(2)
	7/7/1999	19:01	5.14	(3)
	10/6/1999	9:59	3.2	(2)
	10/6/1999	16:48	2.6	(3)
	1/11/2000	NA	4.6	(2)
	4/6/2001	9:45	2.9	(4)
	7/25/2001	11:25	3.0	(4)
	11/20/2001	11:00	10.3	(4)
	1/23/2002	10:54	2.6	(4)
	4/26/2002	10:40	2.00	(4)
	7/25/2002	9:55	1.8	(4)

Table 3
Summary of Total Dissolved Oxygen Measurements
Quarterly Monitoring
Former Cox Cadillac, 230 Bay Place
Oakland, California

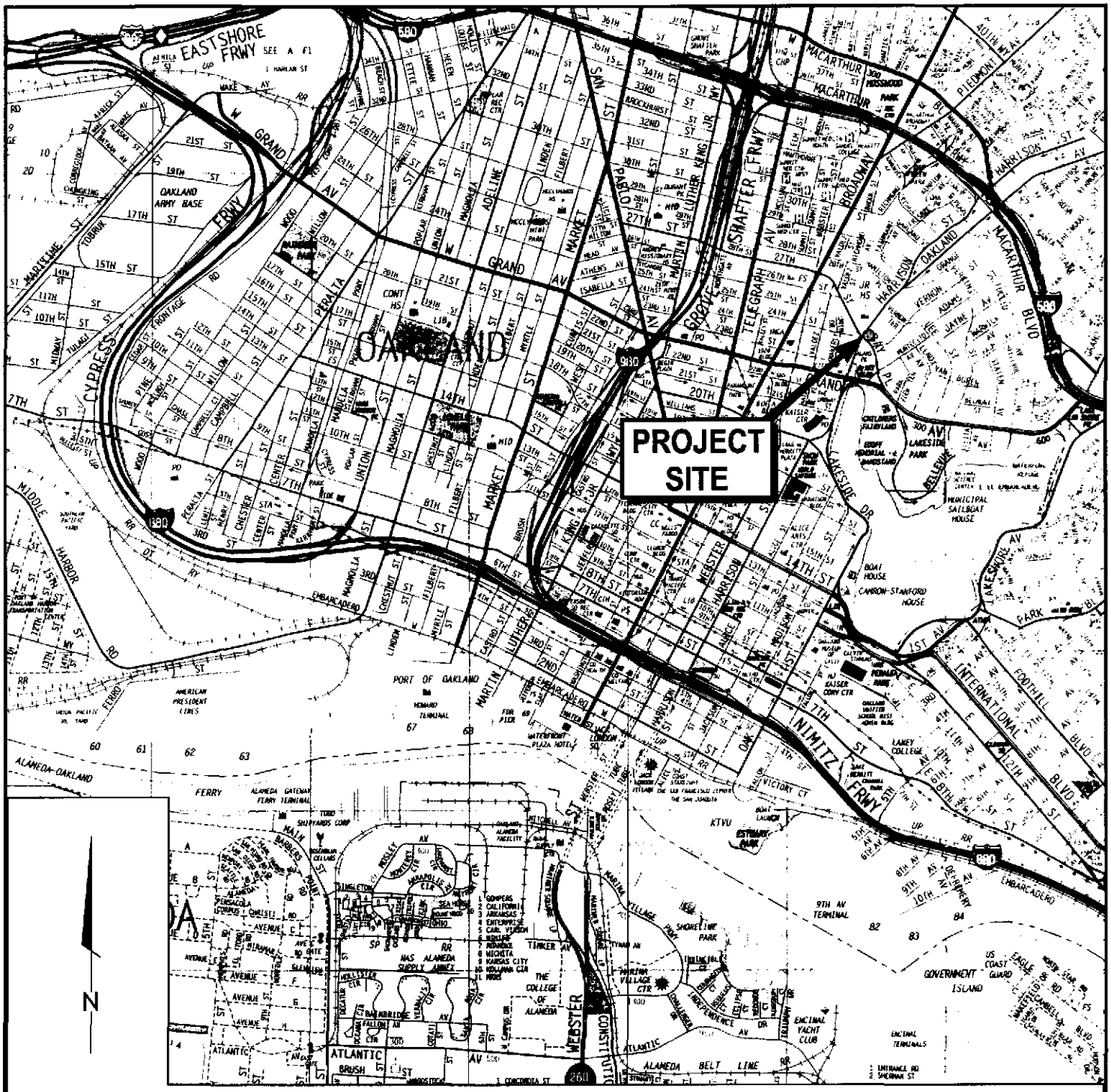
Well Number	Date Measured	Time of Day	Total Dissolved Oxygen (mg/L)	Notes
TW-4	3/11/1999	15:20	3.4	(1)
	3/17/1999	12:18	14.4	(2)
	3/17/1999	17:54	12.6	(3)
	4/13/1999	9:00	12.2	(2)
	4/13/1999	19:03	>15.0	(3)
	6/1/1999	14:29	9.3	(2)
	6/1/1999	18:33	>15.0	(3)
	7/7/1999	9:09	>18.0	(2)
	7/7/1999	19:36	>18.0	(3)
	8/19/1999	10:41	13.4	(2)
	8/19/1999	18:27	>15.0	(3)
	10/6/1999	9:50	>15.0	(2)
	10/6/1999	16:40	>15.0	(3)
	11/17/1999	11:16	10.6	(2)
	11/17/1999	17:35	>15.0	(3)
	7/25/2001	11:25	17.0*	(4)
	11/20/2001	NA	15.3*	(4)
	1/23/2002	NA	13.3	(4)
	4/26/2002	10:00	39.00	(4)
	7/25/2002	NA	5.0	(4)
TW-5	1/12/1999	16:40	1.7	(1)
	3/11/1999	15:36	0.58	(1)
	3/17/1999	12:20	14.3	(2)
	3/17/1999	17:57	14.6	(3)
	4/13/1999	9:39	3.8	(2)
	4/13/1999	19:28	>15.0	(3)
	6/1/1999	14:40	5.4	(2)
	6/1/1999	18:38	>15.0	(3)
	7/7/1999	9:05	0.25	(2)
	7/7/1999	19:32	>18.0	(3)
	8/19/1999	10:38	1.0	(2)
	8/19/1999	18:33	>15.0	(3)
	10/6/1999	10:31	0.2	(2)
	10/6/1999	17:08	>15.0	(3)
	11/17/1999	11:22	0.8	(2)
	11/17/1999	17:37	>15.0	(3)
	7/25/2001	11:25	0.7	(4)
	11/20/2001	NA	5.0	(4)
	1/23/2002	NA	0.5	(4)
	4/26/2002	NA	0.2	(4)
	7/25/2002	NA	0.2	(4)
TW-6	1/12/1999	15:02	3.9	(1)
	3/11/1999	15:39	0.62	(1)
	3/17/1999	12:23	14.1	(2)
	3/17/1999	18:06	>15.0	(3)
	4/13/1999	9:35	14.2	(2)
	4/13/1999	19:23	>15.0	(3)
	6/1/1999	14:48	11.1	(2)
	6/1/1999	18:40	>15.0	(3)
	7/7/1999	9:00	>18.0	(2)
	7/7/1999	19:21	>18.0	(3)
	8/19/1999	10:35	14.8	(2)

Table 3
Summary of Total Dissolved Oxygen Measurements
Quarterly Monitoring
Former Cox Cadillac, 230 Bay Place
Oakland, California

Well Number	Date Measured	Time of Day	Total Dissolved Oxygen (mg/L)	Notes
TW-6 (Cont.)	8/19/1999	18:38	>15.0	(3)
	10/6/1999	10:27	3.8	(2)
	10/6/1999	17:06	>15.0	(3)
	11/17/1999	11:24	1.5	(2)
	11/17/1999	17:39	>15.0	(3)
	1/11/2000	NA	4.9	(2)
	4/6/2001	10:00	0.78	(4)
	7/25/2001	11:25	2.70	(4)
	11/20/2001	11:30	9.40	(4)
	1/23/2002	11:22	8.60	(4)
	4/26/2002	10:00	39.00	(4)
	7/25/2002	10:30	1.1	(4)
TW-7	1/12/1999	13:10	2.7	(1)
	3/11/1999	15:42	0.74	(1)
	3/17/1999	12:25	6.5	(2)
	3/17/1999	18:12	14	(3)
	4/13/1999	9:25	0.4	(2)
	4/13/1999	19:16	>15.0	(3)
	6/1/1999	14:52	0.7	(2)
	6/1/1999	18:43	>15.0	(3)
	7/7/1999	9:15	0.26	(2)
	7/7/1999	19:26	>18.0	(3)
	8/19/1999	10:30	0.9	(2)
	8/19/1999	18:46	>15.0	(3)
	10/6/1999	10:19	0.5	(2)
	10/6/1999	17:03	>15.0	(3)
	11/17/1999	11:28	1.1	(2)
	11/17/1999	17:40	>15.0	(3)
	1/11/2000	NA	5.2	(2)
	4/6/2001	11:25	0.53	(4)
	7/25/2001	11:25	2.0	(4)
	11/20/2001	13:00	4.6	(4)
	1/23/2002	12:25	0.3	(4)
	4/26/2002	9:20	0.50	(4)
	7/25/2002	10:45	0.8	(4)

Notes:

>15 = Above indicated equipment quantification maximum
(1) = Baseline measurement taken before initial introduction of enriched water
(2) = Measured prior to enriched water introduction, and water-level measurement and well purging
(3) = Measured after enriched water introduction
(4) = Measured prior to water-level measurement and well purging
mg/L = milligrams per liter
NA = information not available
* Concentration exceeds DO saturation concentration.



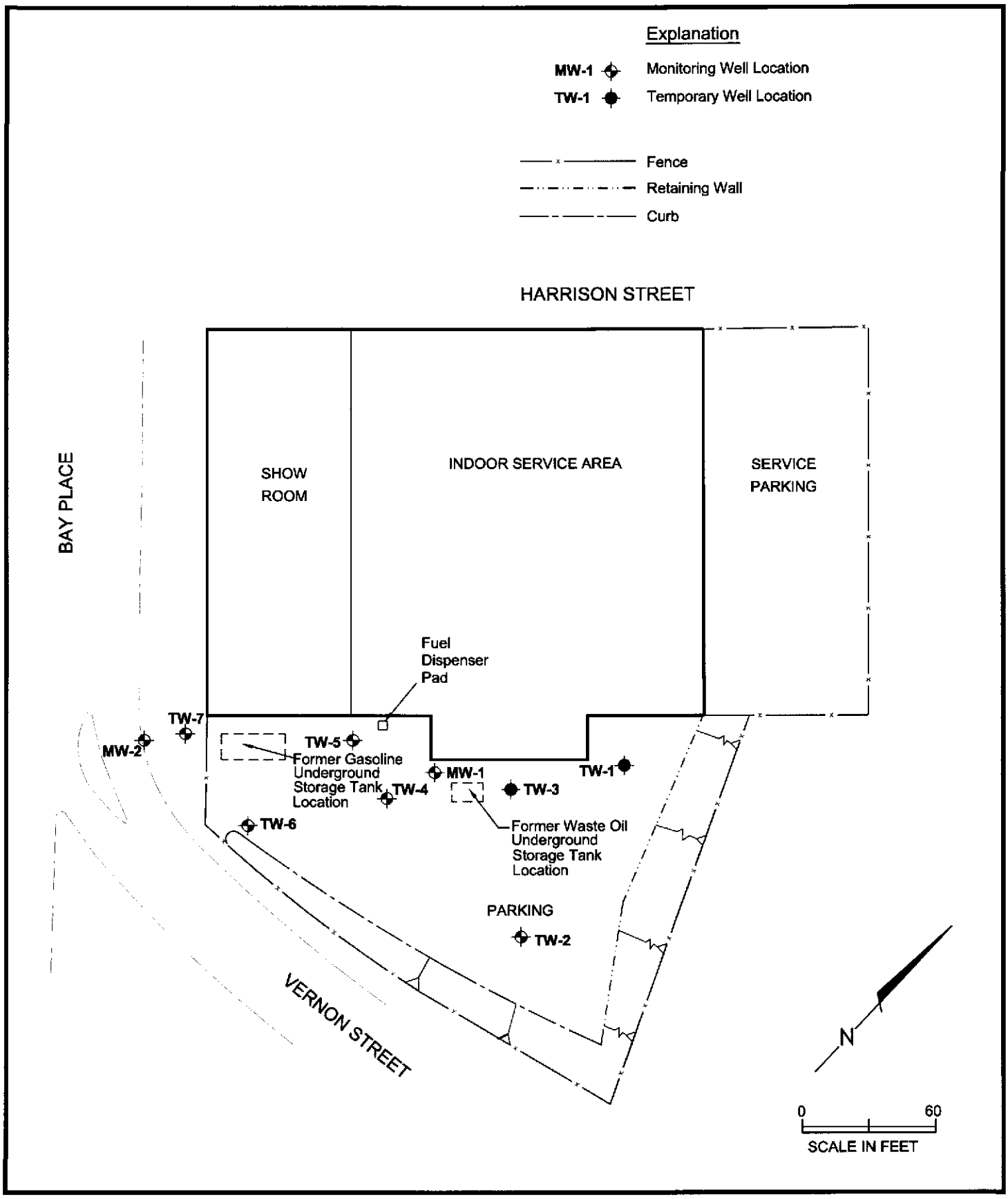
Ref: "The Thomas Guide- Alameda/Contra Costa Counties Street Guide and Directory" 1998 Edition

PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
Quarterly Groundwater Monitoring
Former Cox Cadillac-230 Bay Place
Oakland, California

PLATE
1

167.002.02.008	16700202008_2002-3QTR.dwg	*FAB*	9/02
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

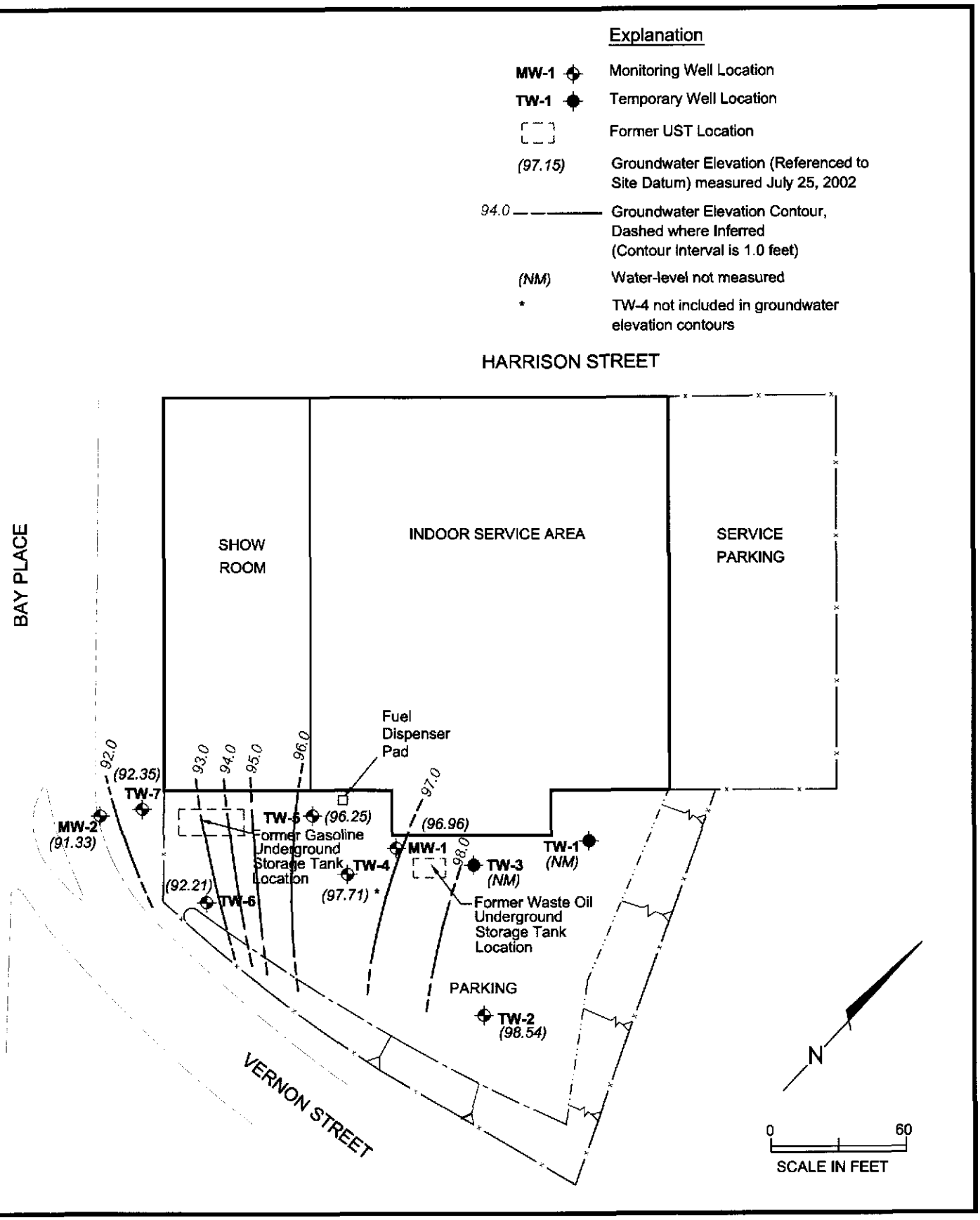


PES Environmental, Inc.
Engineering & Environmental Services

Site Plan and Well Location Map
Quarterly Groundwater Monitoring
Former Cox Cadillac-230 Bay Place
Oakland, California

PLATE 2

167.002.02.008	16700202008_2002-3QTR.dwg	FAB	9/02
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Groundwater Elevation Contours on July 25, 2002
Quarterly Groundwater Monitoring
Former Cox Cadillac-230 Bay Place
Oakland, California

PLATE
3

167.002.02.008	16700202008_2002-3QTR.dwg	FAB	9/02
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

Explanation

MW-1 ⊕ Monitoring Well Location

TW-1 ● Temporary Well Location

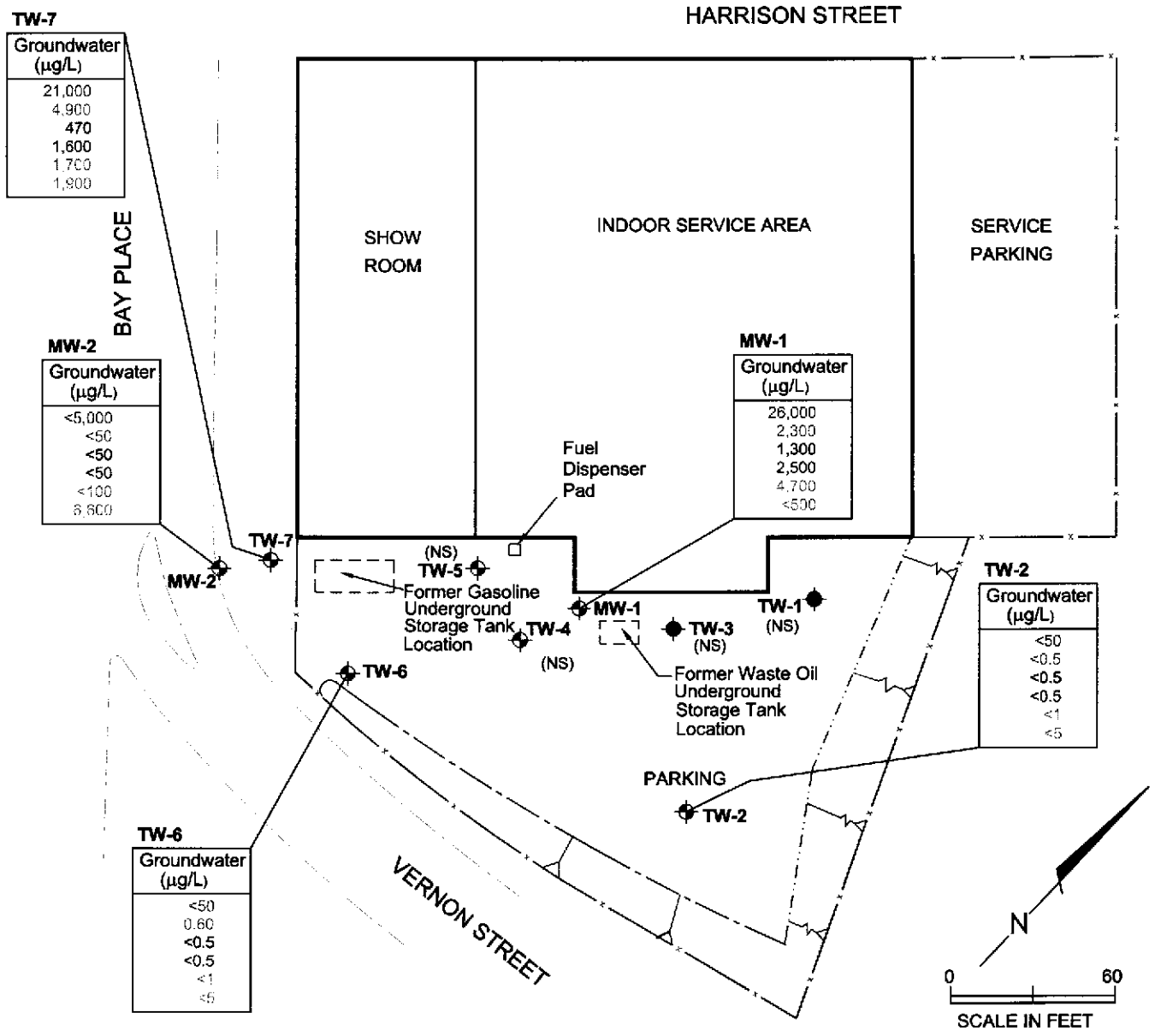
Former UST Location

(NS) Not Sampled

Concentrations of Dissolved Hydrocarbons in Micrograms per liter (µg/l) in Groundwater

Groundwater (µg/L)
Total Petroleum Hydrocarbons as Gasoline
Benzene
Toluene
Ethylbenzene
Total Xylenes
Methyl Tert-Butyl Ether

<0.50 Not detected at or above indicated laboratory reporting limit



PES Environmental, Inc.
Engineering & Environmental Services

Distribution of Dissolved Hydrocarbons in Groundwater - July 25, 2002
Quarterly Groundwater Monitoring
Former Cox Cadillac-230 Bay Place
Oakland, California

PLATE 4

167.002.02.008	16700202008_2002-3QTR.dwg	FAB	9/02
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

APPENDIX A

BLAINE TECH SERVICES
FIELD DATA SHEETS

WELL GAUGING DATA

Project # 020725-1mm1 Date 7/25/02 Client PES

Site 230 Bay Place Oakland CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Pre Purge D.O.
mw-1	2	odor	gauged w/ orc removed		from well	13.04	19.80		1.0
mw-2	2					6.15	19.97		0.8
TW-2	2					1.89	7.80		1.8
TW-4	2	gauged w/ orc in well				2.24	8.65		5.0
TW-5	2	gauged w/ occ	removed			3.15	7.60		0.2
TW-6	2	orc removed	to gauge			6.54	7.60		1.1
TW-7	2	orc removed	to gauge			5.61	9.85		0.8

WELL MONITORING DATA SHEET

Project #: 020725-MM1	Client: PES @ 230 Bay Place
Sampler: MJM	Start Date: 7/25/02
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.80	Depth to Water: 3.04
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer	Waterra	
(Disposable Bailer)	Peristaltic	
Middleburg	Extraction Pump	
Electric Submersible	Other_____	

Sampling Method: Bailer

(Disposable Bailer)
Extraction Port
Dedicated Tubing
Other: _____

2.7 (Gals.) X 3 = 8.1 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
1003	68.9	7.02	3467	>1000	2.7	odor
1007	67.7	6.94	3372	>1000	5.4	"
1012	66.9	6.92	3353	>1000	8.1	"

Did well dewater? Yes (No) Gallons actually evacuated: 8.1

Sampling Time: 1015 Sampling Date: 7/25/02

Sample I.D.: MW-1 Laboratory: ENTECH

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

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

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

WELL MONITORING DATA SHEET

Project #: 020725-MM1	Client: PES @ 230 Bay Place
Sampler: MJM	Start Date: 7/25/02
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.97	Depth to Water: 6.15
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- (Disposable Bailer)
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: ____

2.2 (Gals.) X 3 = 6.6 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or (µS))	Turbidity (NTU)	Gals. Removed	Observations
1054	72.5	6.67	2352	>1000	2.2	brown
1101	71.5	6.64	2461	>1000	4.4	"
1105	72.3	6.65	2448	>1000	6.6	"

Did well dewater? Yes (No)	Gallons actually evacuated: 6.6
Sampling Time: 1110	Sampling Date: 7/25/02
Sample I.D.: MW-2	Laboratory: ENTECH
Analyzed for: (TPH-G BTEX MTBE) TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:

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

WELL MONITORING DATA SHEET

Project #: 020725-MM1	Client: PES @ 230 Bay Place
Sampler: MJM	Start Date: 7/25/02
Well I.D.: TW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 7.80	Depth to Water: 1.89
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- (Disposable Bailer)
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

1 (Gals.) X 3 = 3 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or (µS))	Turbidity (NTU)	Gals. Removed	Observations
947	70.7	7.70	5430	181	1	cloudy
948	70.8	7.05	5616	656	2	"
950	70.7	6.94	5522	>1000	3	"

Did well dewater? Yes (No)		Gallons actually evacuated: 3	
Sampling Time: 955		Sampling Date: 7/25/02	
Sample I.D.: TW-2		Laboratory: ENTECH	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other:	
Equipment Blank I.D.:	@ Time	Duplicate I.D.:	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge: mV

WELL MONITORING DATA SHEET

Project #: 020725-MM1	Client: PES @ 230 Bay Place
Sampler: MJM	Start Date: 7/25/02
Well I.D.: TW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 7.60	Depth to Water: 6.54
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- (Disposable Bailer)
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

0.2 (Gals.) X 3 = 0.6 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
1023	70.7	7.30	507	>1000	0.2	brown
1025	71.2	7.16	429	>1000	0.4	"
1027	71.1	7.18	424	>1000	0.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 0.6

Sampling Time: 1030 Sampling Date: 7/25/02

Sample I.D.: TW-6 Laboratory: ENTECH

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

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

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

WELL MONITORING DATA SHEET

Project #: 020725-MM1	Client: PES @ 230 Bay Place
Sampler: MJM	Start Date: 7/25/02
Well I.D.: TW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 9.85	Depth to Water: 5.61
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- (Disposable Bailer)
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

0.7 (Gals.) X 3 = 2.1 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or (µS))	Turbidity (NTU)	Gals. Removed	Observations
1036	72.5	6.68	911	381	0.75	odor
1038	72.1	6.73	938	71000	1.5	1" cloudy gray
1040	71.5	6.75	944	71000	2.25	

Did well dewater? Yes (No) Gallons actually evacuated: 2.25

Sampling Time: 1045 Sampling Date: 7/25/02

Sample I.D.: TW-7 Laboratory: ENTECH

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

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

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

RECEIVED AUG - 2 2002

WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client PES Inspection Date 7/25/02

Site Address 230 Bay Place Oakland Inspected By MM

1. Lid on box?	6. Casing secure?	12. Water standing in wellbox?	15. Well cap functional?
2. Lid broken?	7. Casing cut level?	12a. Standing above the top of casing?	16. Can cap be pulled loose?
3. Lid bolts missing?	8. Debris in wellbox?	12b. Standing below the top of casing?	17. Can cap seal out water?
4. Lid bolts stripped?	9. Wellbox is too far above grade?	12c. Water even with the top of casing?	18. Padlock present?
5. Lid seal intact?	10. Wellbox is too far below grade?	13. Well cap present?	19. Padlock functional?
	11. Wellbox is crushed/damaged?	14. Well cap found secure?	

☐ Check box if no deficiencies were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken

Note below all defiencies that could not be corrected and still need to be corrected.

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected
TW-2	no wellbox lid needs new box	BTS ABLE TO		
	No locks on site	MAKE REPAIRS IF		
MW-1	no bolts needs 2 7/16"	Authorized		
MW-2	needs 1 1/2" bolt			

APPENDIX B

ENTECH ANALYTICAL LABS, INC.
ANALYTICAL LABORATORY REPORT

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

August 02, 2002

Francois Bush
PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947

Order: 30712
Project Name:
Project Number: BTS # 020725-MM1
Project Notes:

Date Collected: 7/25/2002
Date Received: 7/26/2002
P.O. Number: BTS # 020725-MM1

On July 26, 2002, samples were received under documentented chain of custody. Results for the following analyses are attached:

Matrix	Test	Method
Liquid	Gas/BTEX/MTBE	EPA 8015 MOD. (Purgeable)
		EPA 8020

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,

Patti Sandrock
QA/QC Manager

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Francois Bush

Date: 8/2/02
Date Received: 7/26/2002
Project Name:
Project Number: BTS # 020725-MM1
P.O. Number: BTS # 020725-MM1
Sampled By: Blaine Tech

Certified Analytical Report

Order ID: 30712 **Lab Sample ID:** 30712-001 **Client Sample ID:** MW-1

Sample Time: 10:15 AM **Sample Date:** 7/25/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	2300		100	0.5	50	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Toluene	1300		100	0.5	50	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Ethyl Benzene	2500		100	0.5	50	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Xylenes, Total	4700		100	1	100	µg/L	N/A	7/30/2002	WGC62523	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.3	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Methyl-t-butyl Ether	ND		100	5	500	µg/L	N/A	7/30/2002	WGC62523	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.3	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	26000		100	50	5000	µg/L	N/A	7/30/2002	WGC62523	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101.7	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Francois Bush

Date: 8/2/02
Date Received: 7/26/2002
Project Name:
Project Number: BTS # 020725-MM1
P.O. Number: BTS # 020725-MM1
Sampled By: Blaine Tech

Certified Analytical Report

Order ID: 30712 **Lab Sample ID:** 30712-002 **Client Sample ID:** MW-2

Sample Time: 11:10 AM **Sample Date:** 7/25/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		100	0.5	50	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Toluene	ND		100	0.5	50	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Ethyl Benzene	ND		100	0.5	50	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Xylenes, Total	ND		100	1	100	µg/L	N/A	7/30/2002	WGC62523	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	96.2	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Methyl-t-butyl Ether	6600		100	5	500	µg/L	N/A	7/30/2002	WGC62523	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	96.2	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		100	50	5000	µg/L	N/A	7/30/2002	WGC62523	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.3	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Francois Bush

Date: 8/2/02
Date Received: 7/26/2002
Project Name:
Project Number: BTS # 020725-MM1
P.O. Number: BTS # 020725-MM1
Sampled By: Blaine Tech

Certified Analytical Report

Order ID: 30712 **Lab Sample ID:** 30712-003 **Client Sample ID:** TW-2

Sample Time: 9:55 AM **Sample Date:** 7/25/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Toluene	ND		1	0.5	0.5	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Xylenes, Total	ND		1	1	1	µg/L	N/A	7/30/2002	WGC62523	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	95.5	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Methyl-t-butyl Ether	ND		1	5	5	µg/L	N/A	7/30/2002	WGC62523	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	95.5	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	7/30/2002	WGC62523	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	85.4	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date: 8/2/02
Date Received: 7/26/2002
Project Name:
Project Number: BTS # 020725-MM1
P.O. Number: BTS # 020725-MM1
Sampled By: Blaine Tech

Certified Analytical Report

Order ID: 30712 **Lab Sample ID:** 30712-004 **Client Sample ID:** TW-6

Sample Time: 10:30 AM **Sample Date:** 7/25/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	0.60		1	0.5	0.5	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Toluene	ND		1	0.5	0.5	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	7/30/2002	WGC62523	EPA 8020
Xylenes, Total	ND		1	1	1	µg/L	N/A	7/30/2002	WGC62523	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	94.3	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Methyl-t-butyl Ether	ND		1	5	5	µg/L	N/A	7/30/2002	WGC62523	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	94.3	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	7/30/2002	WGC62523	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	84.4	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

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PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
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Attn: Francois Bush

Date: 8/2/02
Date Received: 7/26/2002
Project Name:
Project Number: BTS # 020725-MM1
P.O. Number: BTS # 020725-MM1
Sampled By: Blaine Tech

Certified Analytical Report

Order ID: 30712 **Lab Sample ID:** 30712-005 **Client Sample ID:** TW-7

Sample Time: 10:45 AM **Sample Date:** 7/25/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	4900		200	0.5	100	µg/L	N/A	8/2/2002	WGC62526	EPA 8020
Toluene	470		200	0.5	100	µg/L	N/A	8/2/2002	WGC62526	EPA 8020
Ethyl Benzene	1600		200	0.5	100	µg/L	N/A	8/2/2002	WGC62526	EPA 8020
Xylenes, Total	1700		200	1	200	µg/L	N/A	8/2/2002	WGC62526	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.0	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Methyl-t-butyl Ether	1900		200	5	1000	µg/L	N/A	8/2/2002	WGC62526	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.0	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	21000		200	50	10000	µg/L	N/A	8/2/2002	WGC62526	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	117.8	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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Quality Control Results Summary

QC Batch #: WGC62523 **Units:** µg/L

Matrix: Liquid **Date Analyzed:** 7/30/2002

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		100		93.	LCS	93.0			65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			101.4			65 - 135					
Test: BTEX											
Benzene	EPA 8020	ND		8		8.08	LCS	101.0			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		8.24	LCS	103.0			65.0 - 135.0
Toluene	EPA 8020	ND		8		8.24	LCS	103.0			65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		25.	LCS	104.2			65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			98.7			65 - 135					
Test: MTBE by EPA 8020											
Methyl-t-butyl Ether	EPA 8020	ND		8		7.99	LCS	99.9			65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			98.7			65 - 135					
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		100		91.8	LCSD	91.8	1.30	25.00	65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			98.3			65 - 135					
Test: BTEX											
Benzene	EPA 8020	ND		8		7.94	LCSD	99.3	1.75	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		8.2	LCSD	102.5	0.49	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		8		7.98	LCSD	99.8	3.21	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		24.6	LCSD	102.5	1.61	25.00	65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			96.4			65 - 135					
Test: MTBE by EPA 8020											
Methyl-t-butyl Ether	EPA 8020	ND		8		7.87	LCSD	98.4	1.51	25.00	65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			96.4			65 - 135					

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Quality Control Results Summary

QC Batch #: WGC62526 **Units:** µg/L

Matrix: Liquid **Date Analyzed:** 8/1/2002

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		100		89.2	LCS	89.2			65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			100.6			65 - 135					
Test: BTEX											
Benzene	EPA 8020	ND		8		7.85	LCS	98.1			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		8.13	LCS	101.6			65.0 - 135.0
Toluene	EPA 8020	ND		8		7.94	LCS	99.3			65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		24.8	LCS	103.3			65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			96.8			65 - 135					
Test: MTBE by EPA 8020											
Methyl-t-butyl Ether	EPA 8020	ND		8		7.83	LCS	97.9			65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			96.8			65 - 135					
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		100		95.	LCSD	95.0	6.30	25.00	65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			98.8			65 - 135					
Test: BTEX											
Benzene	EPA 8020	ND		8		8.55	LCSD	106.9	8.54	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		8.9	LCSD	111.3	9.04	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		8		8.6	LCSD	107.5	7.98	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		26.6	LCSD	110.8	7.00	25.00	65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			98.5			65 - 135					
Test: MTBE by EPA 8020											
Methyl-t-butyl Ether	EPA 8020	ND		8		8.93	LCSD	111.6	13.13	25.00	65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
4-Bromofluorobenzene			98.5			65 - 135					

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 020725-mm1

CLIENT: PES

SITE: 230 Bay Place
Oakland, CA

LAB: Entech | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice and Report to : PES

Attn: Francois Bush

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	TPH - Gas (8015)	BTEX (8020)	MTBE (8020)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	7/25	1015	W	3		X	X	X				30712-001
MW-2		1110	W	3		X	X	X				002
TW-2		955	W	3		X	X	X				003
TW-6		1030	W	3		X	X	X				004
TW-7		1045	W	3		X	X	X				005

SAMPLING COMPLETED: DATE 7/25/02 TIME 1110

SAMPLING PERFORMED BY: Matthew Miller

RESULTS NEEDED NO LATER THAN: As Contracted

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Matthew Miller	7-26-02	10:00		7-26-02	10:00
	7-26-02	10:55		9/26/02	1205

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #