

**ExxonMobil**  
**Refining & Supply Company**  
Global Remediation

**Gene N. Ortega**  
Project Manager  
Global Remediation – US Retail

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**ExxonMobil**  
*Refining & Supply*

March 25, 2004

Mr. Amir Gholami  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Room 250  
Alameda, California 94502-6577

Alameda County  
APR 06 2004  
Environmental Health

**RE: Former Exxon RAS #7-0104/1725 Park Street, Alameda, California.**

Dear Mr. Gholami:

Attached for your review and comment is a letter report entitled *Evaluation of Additional Work and Schedule of Operations*, dated March 25, 2004, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and details evaluation activities at the subject site.

If you have any questions or comments, please contact me at (925) 246-8747.

Sincerely,

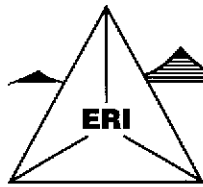


Gene N. Ortega  
Project Manager

Attachment: ERI's Evaluation of Additional Work and Schedule of Operations, dated March 25, 2004.

cc w/ attachment  
Mr. Stephen Hill, California Regional Water Quality Control Board, San Francisco Bay Region  
Mr. Joseph A. Aldridge, Valero Energy Corporation

w/o attachment  
Mr. Rob A. Saur, Environmental Resolutions, Inc.



**ENVIRONMENTAL RESOLUTIONS, INC.**

March 25, 2004  
ERI 250614.L16

Mr. Gene N. Ortega  
ExxonMobil Refining & Supply – Global Remediation  
25A Crescent Drive, #407  
Pleasant Hill, California 94523

ALAMEDA COUNTY  
APR 05 2004  
2004-04-05 10:00 AM

Subject: Evaluation of Additional Work and Schedule of Operations, Former Exxon Service Station 7-0104, 1725 Park Street, Alameda, California.

Mr. Ortega:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) conducts environmental assessment and remediation activities at the subject site. ERI currently operates an air sparge/soil vapor extraction (AS/SVE) system and groundwater extraction and treatment system (GETS) to remove residual and dissolved hydrocarbons from soil and groundwater beneath the subject site. In addition, ERI performs quarterly groundwater monitoring and sampling at the subject site concurrently with the Shell Service Station (former Xtra Oil Company) site at 1701 Park Street, Alameda, California.

The location of the subject site is shown on the Site Vicinity Map (Plate 1). The locations of the underground storage tanks (USTs), dispenser islands, groundwater monitoring wells and select site features of the subject site, and the Shell Service Station are shown on the Generalized Site Plan (Plate 2). Cumulative groundwater monitoring and sampling data are provided in Table 1. Cumulative performance data of the AS/SVE and GETS systems are provided in Tables 2 and 3, respectively.

Based on spatial distribution of dissolved petroleum hydrocarbons in relation to the former Exxon station facilities and the groundwater flow direction, it appears that the dissolved plume emanating from the Shell Service Station may be impacting the subject site. In addition, operation of the GETS influences the hydraulic gradient and flow direction beneath and in the vicinity of the subject site, which is accelerating migration from the Shell site towards and onto the former Exxon site. Cumulative remedial system operation data (Table 2) indicate that mass recovery rates have dropped to levels that do not justify continued operation of the AS/SVE system and GETS. However, increasing the GETS extraction rate will further accelerate dissolved hydrocarbon migration onto the former Exxon facility.

To evaluate feasible alternative to continued operation of the AS/SVE system and GETS, ERI will conduct the following work:

- An evaluation of the respective dissolved-phase petroleum hydrocarbons associated with the Shell and former ExxonMobil stations, and the potential of petroleum hydrocarbons originating at the Shell service site impacting the subject site;
- An evaluation of the stability of the dissolved-phase hydrocarbons in groundwater underlying the subject site;
- An updated Risk-Based Corrective Action (RBCA) analysis, which will utilize updated environmental screening levels (ESLs) issued by the California Regional Water Quality Control Board, San Francisco Bay Region, as well as Tier 2 site-specific target levels (SSTLs); and
- An evaluation of alternative remedial actions, including natural attenuation.

On February 9, 2004, the AS/SVE and GETS was shut down due to failure of the transfer pump. The AS/SVE and GETS will remain down until ERI completes the evaluation of dissolved-phase petroleum hydrocarbon in groundwater migration and stability analysis, and comparison of the ESLs to the current site conditions. Upon completion of this work, if deemed warranted, the AS/SVE and GETS will be restarted and/or retrofitted.

ERI will complete evaluation work, and comparison of the ESLs to the current site conditions, and submit a report of the findings with conclusions and recommended course of action by May 14, 2004.

#### **DOCUMENT DISTRIBUTION**

ERI recommends forwarding a copy of this document to:

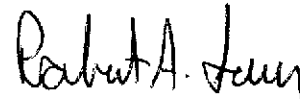
Mr. Amir Gholami  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Mr. Stephen Hill  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, California 94612

Mr. Joseph A. Aldridge  
Valero Energy Corporation  
685 West Third Street  
Hanford, California 93230

Please call Mr. Robert A. Saur, ERI's project manager for this site, at (415) 382-9105 with any questions regarding this project.

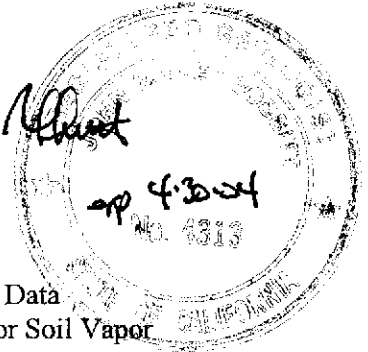
Sincerely,  
Environmental Resolutions, Inc.



Robert A. Saur  
Project Manager



John B. Bobbitt  
R. G. 4313



- Attachments: Table 1: Cumulative Groundwater Monitoring and Sampling Data  
Table 2: Cumulative Hydrocarbon Removal and Emissions for Soil Vapor Extraction System  
Table 3: Operation and Performance Data for Groundwater Extraction and Treatment System  
  
Plate 1: Site Vicinity Map  
Plate 2: Generalized Site Plan

**TABLE 1**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
(Page 1 of 17)

Well ID # (TOC)	Sampling Date	SUBJ	DTW		Elev.	TPHd	TPHg	MTBE	B T E X				Select VOCs
			feet.						ug/L				
MW1 (17.35)	09/12/94	NLPH	7.11	10.24	10.24	---	1,600a	---	200	1.9	210	6.6	---
	10/01/94	NLPH	7.44	9.91	9.91	---	1,400a	---	200	<0.5	160	6.6	---
	01/13/95	NLPH	5.13	12.22	12.22	---	2,100a	---	410b	17	280b	89	---
	04/27/95	NLPH	6.57	10.78	10.78	---	4,700	---	460	41	340	270	---
	08/03/95	NLPH	7.46	9.89	9.89	---	1,900	30	140	<5.0	160	9.9	---
	10/17/95	NLPH	7.67	9.68	9.68	---	280	5.5	6.2	<0.5	13	0.75	---
	01/24/96	NLPH	6.52	10.83	10.83	---	740	440	21	1.4	38	3.1	---
	04/24/96	NLPH	5.95	11.40	11.40	---	7,800	250	200	110	1,000	740	---
	07/26/96	NLPH	7.60	9.75	9.75	---	620	23	8.0	0.99	26	1.0	---
	10/30/96	NLPH	8.06	9.29	9.29	---	700	33	14	2.9	85	3.5	---
	01/31/97	NLPH	5.12	12.23	12.23	---	7,600	<200	420	33	1,400	480	---
	04/10/97	---	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.54	9.81	9.81	---	580	12	10	<0.5	<0.5	<0.5	---
	10/08/97	---	---	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	4.48	12.87	12.87	---	820	<2.5c	110	2.8	170	14	---
	04/14/98	---	---	4.69	12.66	12.66	---	---	---	---	---	---	---
	07/30/98	NLPH	6.19	11.16	11.16	---	2,700	41	210	<5.0	550	<5.0	---
	10/19/98	NLPH	6.72	10.63	10.63	---	---	---	---	---	---	---	---
	01/13/99	NLPH	6.52	10.83	10.83	---	491	9.78	8.0	<0.5	<0.5	<0.5	---
	04/28/99	---	---	5.37	11.98	11.98	---	---	---	---	---	---	---
07/09/99	NLPH	6.39	10.96	10.96	---	1,030	10.6	114	8.07	184	0.644	---	
10/25/99	NLPH	6.68	10.67	10.67	---	---	---	---	---	---	---	---	
01/21/00	NLPH	6.20	11.15	11.15	---	<50	5.1	<1.0	<1.0	<1.0	<1.0	---	
04/14/00	NLPH	5.18	12.17	12.17	---	---	---	---	---	---	---	---	
06/16/00	Property transferred to Valero Refining Company.												
07/05/00	NLPH	5.93	11.42	11.42	---	88	200	4.3	<0.5	0.61	<0.5	---	
10/03/00	NLPH	6.51	10.84	10.84	---	<50	240	0.72	<0.5	<0.5	<0.5	---	
01/02/01	NLPH	6.17	11.18	11.18	---	<50	68	0.75	<0.5	<0.5	<0.5	---	
04/02/01	NLPH	7.42	9.93	9.93	---	140	4.3	<0.5	<0.5	4.1	1.1	---	
07/02/01	NLPH	6.27	11.08	11.08	---	74	14	<0.5	<0.5	<0.5	<0.5	---	
10/15/01	NLPH	6.64	10.71	10.71	---	110	83	2.6	<0.5	<0.5	<0.5	---	
(17.29)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.											
	02/04/02	NLPH	5.08	12.21	12.21	52.0	75.0	67.1	0.70	<0.50	0.50	<0.50	---

**TABLE 1**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
(Page 2 of 17)

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet.	Elev.	TPHd	TPHg	MTBE	ug/L					Select VOCs
								B	T	E	X		
MW1 (cont.) (17.29)	05/06/02	NLPH	5.48	11.81	129	793	702/1,004g	8.6	<0.5	0.5	1.1	297h	
	08/22/02	NLPH	7.14	10.15	602	1,150	181	120	0.8	9.0	3.6	---	
	11/08/02	NLPH	6.19	11.10	504	947	182	95.6	4.0	3.7	2.7	---	
	02/07/03	NLPH	6.00	11.29	610	1,190	284	89.7	3.8	45.3	13.2	---	
	05/02/03	NLPH	5.76	11.53	797	1,020	296	75.8	9.0	5.7	11.9	---	
	08/14/03	NLPH	7.04	10.25	531	822	201	33.9	2.8	1.5	1.9	---	
	11/14/03	NLPH	6.41	10.88	560	574	276	19.8	1.8	2.0	2.2	---	
	MW2 (16.67)	09/12/94	NLPH	6.71	9.96	---	31,000a	---	4,400	120	1,700	2,100	---
10/01/94		NLPH	7.22	9.45	---	45,000a	---	4,500	250	1,800	2,400	---	
01/13/95		NLPH	4.46	12.21	---	---	---	---	---	---	---	---	
04/27/95		NLPH	6.92	9.75	---	44,000	---	7,000	840	2,400	3,400	---	
08/03/95		NLPH	6.96	9.71	---	30,000	37,000	4,600	170	1,600	1,100	---	
10/17/1995		NLPH	7.83	8.84	---	45,000	14,000	5,400	190	2,000	1,500	---	
01/24/96		NLPH	6.45	10.22	---	30,000	4,100	5,000	810	2,200	2,200	---	
04/24/96		NLPH	6.00	10.67	---	34,000	22,000	8,700	410	2,200	2,000	---	
07/26/96		NLPH	7.14	9.53	---	40,000	18,000	10,000	<200	1,800	760	---	
10/30/96		NLPH	6.95	9.72	---	43,000	18,000	9,100	<250	2,400	730	---	
01/31/97		NLPH	5.07	11.60	---	28,000	8,000c	2,400	630	1,500	3,300	---	
04/10/97		---	---	---	---	---	---	---	---	---	---	---	
07/10/97		NLPH	7.34	9.33	---	18,000	2,600	2,900	82	1,500	530	---	
10/08/97		---	---	---	---	---	---	---	---	---	---	---	
01/28/98		NLPH	4.46	12.21	---	29,000	28,000c	5,600	410	1,500	720	---	
04/14/98		---	4.48	12.19	---	---	---	---	---	---	---	---	
07/30/98		NLPH	6.01	10.66	---	24,000	6,300	7,500	<200	1,300	280	---	
10/19/98		NLPH	6.35	10.32	---	---	---	---	---	---	---	---	
01/13/99		NLPH	6.54	10.13	---	18,400	2,200	4,750	211	1,760	45.3	---	
04/28/99		---	5.54	11.13	---	---	---	---	---	---	---	---	
07/09/99		NLPH	6.45	10.22	---	14,100	3,410	4,270	80.1	1,300	339	---	
10/25/99		---	---	---	---	---	---	---	---	---	---	---	
01/21/00		---	---	---	---	---	---	---	---	---	---	---	
02/11/00		NLPH	---	---	---	---	<50	15	<1.0	<1.0	<1.0	<1.0	---
04/14/00		NLPH	4.69	11.98	---	---	---	---	---	---	---	---	
06/16/00		Property transferred to Valero Refining Company.											
07/05/00		NLPH	5.44	11.23	---	---	150	86	15	<0.5	6.2	2.8	---
10/03/00	NLPH	6.31	10.36	---	---	200	2,500	35	0.51	5.1	12	---	
01/02/01	---	---	---	---	---	---	---	---	---	---	---	---	
04/02/01	NLPH	5.00	11.67	---	---	<50	680	3.6	<0.5	<0.5	<0.5	---	



**TABLE 1**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
(Page 4 of 17)

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	ug/L					Select VOCs
								B	T	E	X		
MW3 (cont.)	10/03/00	---	---	---	---	---	---	---	---	---	---	---	---
(17.11)	01/02/01	NLPH	5.78	11.33	560d	2,700	3,100	1300	8.8	11	21.3	---	---
	04/02/01	NLPH	4.71	12.40	620	3,700	1,400	1,400	11	36	21	---	---
	07/02/01	NLPH	5.82	11.29	880	5,300	1,200	1,300	32	30	730	---	---
	10/15/01	NLPH	6.12	10.99	210e	2,300	1,800	630	2.5	8.2	3.34	---	---
(17.02)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.											
	02/04/02	NLPH	4.59	12.43	402	8,830	1,420	2,300	166	150	158	---	---
	05/06/02	NLPH	4.84	12.18	1,300	7,950	544/967.0g	1,930	18.0	80.0	648	194h	---
	08/22/02	NLPH	6.42	10.60	416	2,270	298	506	3.5	8.0	6.5	---	---
	11/08/02	NLPH	5.66	11.36	193	1,640	470	330	1.8	4.9	2.7	---	---
	02/07/03	NLPH	4.99	12.03	800	1,360	662	328	6.5	9.0	35.0	---	---
	05/02/03	NLPH	4.73	12.29	562	2,500	300	306	4.8	17.5	29.1	---	---
	08/14/03	NLPH	6.02	11.00	227	2,040	367	356	3.4	3.9	3.2	---	---
	11/14/03	NLPH	6.01	11.01	280	1,880	794	244	2.6	3.7	4.5	---	---
MW4	09/12/94	NLPH	6.80	10.54	---	5,200a	---	900	57	310	490	---	---
(17.34)	10/01/94	NLPH	7.09	10.25	---	9,100a	---	1,200	66	360	380	---	---
	01/13/95	NLPH	4.66	12.68	---	25,000a	---	1,300	200	550	1,000	---	---
	04/27/95	NLPH	5.54	11.80	---	5,900	---	650	130	350	590	---	---
	08/03/95	NLPH	6.92	10.42	---	4,200	5,700	1,000	<12	170	140	---	---
	10/17/95	NLPH	7.50	9.84	---	6,900	1,700	1,300	30	360	380	---	---
	01/24/96	NLPH	5.81	11.53	---	6,300	830	1,900	46	290	330	---	---
	04/24/96	NLPH	5.44	11.90	---	5,000	1,600	1,800	<20	190	130	---	---
	07/26/96	NLPH	7.03	10.31	---	9,100	1,200	1,700	<25	340	280	---	---
	10/30/96	NLPH	7.57	9.77	---	5,300	1,500	1,100	35	420	300	---	---
	01/31/97	NLPH	4.22	13.12	---	6,500	40,000	1,200	28	490	130	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.56	9.78	---	10,000	11,000	1,100	120	470	720	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.70	13.64	---	1,700	4,900e	450	6.8	220	73	---	---
	04/14/98	---	3.81	13.53	---	---	---	---	---	---	---	---	---
	07/30/98	NLPH	5.96	11.38	---	2,900	2,800	680	<10	220	56	---	---
	10/19/98	NLPH	6.51	10.83	---	---	---	---	---	---	---	---	---
	01/13/99	NLPH	6.24	11.10	---	2,140	1,800	146	<10	60.9	16.2	---	---
	04/28/99	---	4.80	12.54	---	---	---	---	---	---	---	---	---
	07/09/99	NLPH	6.04	11.30	---	1,300	1,310	322	<2.5	76.1	<2.5	---	---
	10/25/99	NLPH	6.51	10.83	---	---	---	---	---	---	---	---	---
	01/21/00	NLPH	5.75	11.59	---	2,200	1,000	410	3.70	40	14.4	---	---





**TABLE I**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
(Page 6 of 17)

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
-----> ug/L <-----												
MW5 (cont.) (16.71)	07/09/99	NLPH	6.08	10.63	---	4,360	2,360	1,780	18.6	45	<5.0	---
	10/25/99	NLPH	6.46	10.25	---	---	---	---	---	---	---	---
	01/21/00	NLPH	5.79	10.92	---	2,600	3,100	720	4.7	25	11.3	---
	04/14/00	NLPH	4.57	12.14	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
	07/05/00	NLPH	5.37	11.34	---	5,100	380	1,800	14	52	34	---
	10/03/00	NLPH	5.93	10.78	---	5,800	630	2,000	8.9	59	21	---
	01/02/01	NLPH	5.68	11.03	---	4,800	1,100	1,600	9.6	38	15	---
	04/02/01	NLPH	4.87	11.84	---	6,800	1,500	2,000	40	150	49	---
	07/02/01	NLPH	5.77	10.94	---	4,100	960	1,600	20	35	21	---
(16.64)	10/15/01	NLPH	6.15	10.56	---	3,900	1,000	1,400	8.7	17	15.7	---
	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	4.69	11.95	976	4,380	620	1,440	38.0	84.0	50.0	---
	05/06/02	NLPH	5.00	11.64	1,360	3,810	764/1,220g	1,110	20.0	26.0	26.0	306b/3.20i
	08/22/02	NLPH	6.98	9.66	695	3,190	545	823	9.0	11.0	31.0	---
	11/08/02	NLPH	5.31	11.33	645	3,360	746	1,050	9.4	11.1	17.8	---
	02/07/03	NLPH	5.75	10.89	689	3,550	400	1,100	25.0	65.0	29.0	---
	05/02/03	NLPH	5.34	11.30	934	4,070	439	818	16.9	31.9	28.6	---
	08/14/03	NLPH	6.37	10.27	988	3,860	286	912	15.6	16.2	24.0	---
	11/14/03	NLPH	6.01	10.63	1,000	3,450	198	841	15.0	14.8	17.4	---
MW6 (17.56)	09/12/94	NLPH	6.88	10.68	---	1,500a	---	150	4.4	170	85	---
	10/01/94	NLPH	7.15	10.41	---	87a	---	120	<0.5	99	38	---
	01/13/95	NLPH	4.80	12.76	---	9,900a	---	710	220	780	1,100	---
	04/27/95	NLPH	6.14	11.42	---	3,900	---	340	40	460	320	---
	08/03/95	NLPH	6.83	10.73	---	1,100	65	89	<2.5	110	63	---
	10/17/95	NLPH	7.66	9.90	---	8,500	<5.0	410	74	850	110	---
	01/24/96	NLPH	5.86	11.70	---	31,000	<5.0	560	1,500	2,200	7,500	---
	04/24/96	NLPH	5.39	12.17	---	15,000	280	460	570	1,400	3,300	---
	07/26/96	NLPH	6.97	10.59	---	27,000	1,300	270	660	1,600	5,500	---
	10/30/96	NLPH	7.45	10.11	---	28,000	900	490	440	1,800	6,200	---
	01/31/97	NLPH	4.30	13.26	---	7,000	770	190	1,000	380	1,400	---
	04/10/97	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.57	9.99	---	6,800	1,100	200	<50	300	860	---
	10/08/97	NLPH	7.48	10.08	---	51,000	580	870	7,300	2,600	12,000	---
	01/28/98	NLPH	3.74	13.82	---	15,000	2,400c	650	2,300	900	2,700	---
04/14/98	NLPH	3.92	13.64	---	25,000	2,100c	850	3,300	1,200	4,300	---	
07/30/98	NLPH	6.09	11.47	---	5,900	910	270	65	500	630	---	





**TABLE 1**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW		Elev.	Concentrations (ug/L)							Select VOCs
			DTW	feet		TPHd	TPHg	MTBE	B	T	E	X	
MW8 (cont.) (16.33)	04/10/97	---	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	5.11	11.22	---	---	---	---	---	---	---	---	---
	04/14/98	NLPH	5.02	11.31	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
	07/30/98	NLPH	5.84	10.49	---	<50	6.6	<0.5	<0.5	<0.5	<0.5	<0.5	---
	10/19/98	NLPH	6.07	10.26	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
	01/13/99	NLPH	5.59	10.74	---	<50	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	---
	04/28/99	NLPH	5.38	10.95	---	<50	<0.5c	<0.5	<0.5	<0.5	<0.5	<0.5	ND
	07/09/99	NLPH	5.71	10.62	---	<50	3.01	<0.5	<0.5	<0.5	<0.5	<0.5	---
	10/25/99	NLPH	6.15	10.18	---	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---
	01/21/00	NLPH	6.51	9.82	---	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---
	04/14/00	Brown	5.54	10.79	---	<50	<1	<1	<1	<1	<1	<1	---
	06/16/00	Property transferred to Valero Refining Company.											---
	07/05/00	NLPH	5.67	10.66	---	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	---
	10/03/00	NLPH	6.02	10.31	---	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	---
	01/02/01	NLPH	5.95	10.38	140d	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	---
	04/02/01	---	---	---	---	---	---	---	---	---	---	---	---
	07/02/01	NLPH	5.76	10.57	<50	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	---
	10/15/01	NLPH	6.19	10.14	<50	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	---
(16.24)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.											---
	02/04/02	f	---	---	---	---	---	---	---	---	---	---	---
	05/06/02	NLPH	5.31	10.93	<50	<50.0	0.5/<0.50g	<0.5	<0.5	<0.5	<0.5	<0.5	ND
	08/22/02	NLPH	6.07	10.17	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
	11/08/02	NLPH	5.91	10.33	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
	02/07/03	NLPH	5.34	10.90	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
	05/02/03	NLPH	5.27	10.97	<50	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	---
	08/14/03	NLPH	5.60	10.64	<50	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	---
	11/14/03	NLPH	6.01	10.23	55	<50.0	<0.5	<0.50	<0.5	0.7	1.7	1.7	---

**TABLE 1**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
ng/l												
(15.62)	09/12/94	NLPH	6.84	8.78	---	<50a	---	<0.5	<0.5	<0.5	<0.5	---
	10/01/94	NLPH	6.97	8.65	---	<50a	---	<0.5	<0.5	<0.5	<0.5	---
	01/13/95	NLPH	6.18	9.44	---	<50a	---	<0.5	<0.5	<0.5	<0.5	---
	04/27/95	NLPH	6.58	9.04	---	<50	---	<0.5	<0.5	<0.5	<0.5	---
	08/03/95	NLPH	6.72	8.90	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	10/17/95	NLPH	7.09	8.53	---	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	01/24/96	NLPH	6.46	9.16	---	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	04/24/96	NLPH	6.43	9.19	---	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	07/26/96	NLPH	6.80	8.82	---	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	10/30/96	NLPH	6.94	8.68	---	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	01/31/97	NLPH	6.10	9.52	---	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	5.66	9.96	---	---	---	---	---	---	---	---
	04/14/98	---	---	---	---	---	---	---	---	---	---	---
	07/30/98	NLPH	6.17	9.45	---	---	---	---	---	---	---	---
	10/19/98	NLPH	6.40	9.22	---	---	---	---	---	---	---	---
	01/13/99	NLPH	6.28	9.34	---	---	---	---	---	---	---	---
	04/28/99	NLPH	5.87	9.75	---	<50	<0.5c	<0.5	<0.5	<0.5	<0.5	---
07/09/99	NLPH	6.24	9.38	---	<50	<2.0	<0.5	<0.5	<0.5	<0.5	---	
10/25/99	NLPH	6.67	8.95	---	<50	<1.0	<1.0	<1.0	<1.0	<1.0	---	
01/21/00	NLPH	6.93	8.69	---	<50	<1.0	<1.0	<1.0	<1.0	<1.0	---	
04/14/00	Turbid	6.05	9.57	---	<50	<1	<1	<1	<1	<1	---	
06/16/00	Property transferred to Valero Refining Company.											
07/05/00	NLPH	6.34	9.28	---	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	---
10/03/00	NLPH	6.52	9.10	---	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	---
01/02/01	NLPH	6.53	9.09	---	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	---
04/02/01	NLPH	6.21	9.41	---	<50	<2	<0.5	<0.5	0.57	0.73	---	
07/02/01	NLPH	6.40	9.22	---	<50	<2	<0.5	<0.5	<0.5	<0.5	---	
10/15/01	NLPH	6.65	8.97	---	<50	<2	<0.5	<0.5	<0.5	<0.5	---	
(15.56)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	4.77	10.79	<50.0	<50.0	0.50	<0.50	<0.50	<0.50	<0.50	---
	05/06/02	NLPH	6.29	9.27	<50	<50.0	<0.5/<0.50g	<0.5	<0.5	<0.5	<0.5	ND
	08/22/02	NLPH	6.70	8.86	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	---
	11/08/02	NLPH	6.55	9.01	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	---
	02/07/03	NLPH	6.35	9.21	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	---
	05/02/03	NLPH	6.16	9.40	91	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5	---
	08/14/03	NLPH	6.54	9.02	<50	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5	---
	11/14/03	NLPH	6.60	8.96	<50	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5	---

**TABLE 1**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW		Elev.	TPHd	TPHg	MTBE	B T E X				Select VOCs
			feet						ug/L				
MW10 (16.79)	09/12/94	NLPH	7.04	9.75	---	---	71a	---	<0.5	<0.5	1.6	<0.5	---
	10/01/94	NLPH	7.30	9.49	---	---	330a	---	1.1	<0.5	2.8	0.73	---
	01/13/95	NLPH	6.04	10.75	---	---	90a	---	<0.5	<0.5	<0.5	<0.5	---
	04/27/95	NLPH	6.66	10.13	---	---	140	---	<0.5	<0.5	5.4	1.3	---
	08/03/95	NLPH	7.23	9.56	---	---	150	<2.5	<0.5	<0.5	<0.5	<0.5	---
	10/17/95	NLPH	7.93	8.86	---	---	<50	95	<0.5	<0.5	<0.5	<0.5	---
	01/24/96	NLPH	6.43	10.36	---	---	760	24	1.6	0.52	62	28	---
	04/24/96	NLPH	6.42	10.37	---	---	110	6.8	<0.5	<0.5	7.1	<0.5	---
	07/26/96	NLPH	7.47	9.32	---	---	140	<5.0	<0.5	<0.5	12	0.86	---
	10/30/96	NLPH	7.88	8.91	---	---	<50	5.6	<0.5	<0.5	<0.5	<0.5	---
	01/31/97	NLPH	5.88	10.91	---	---	<50	10	<0.5	<0.5	<0.5	<0.5	---
	04/10/97	---	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.32	9.47	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	10/08/97	---	---	---	---	---	---	---	---	---	---	---	---
12/12/97	Well destroyed.		---	---	---	---	---	---	---	---	---	---	
MW11 (18.04)	10/17/95	NLPH	7.72	10.32	---	---	34,000	890	3,800	150	950	4,500	---
	01/24/96	NLPH	5.97	12.07	---	---	44,000	<500	3,800	1,200	2,100	9,800	---
	04/24/96	NLPH	5.84	12.20	---	---	34,000	720	2,900	1,400	1,700	8,300	---
	07/26/96	NLPH	6.98	11.06	---	---	39,000	800	4,600	4,200	950	9,500	---
	10/30/96	NLPH	7.54	10.50	---	---	53,000	990	4,200	3,600	2,100	9,600	---
	01/31/97	NLPH	5.00	13.04	---	---	23,000	310c	170	2,500	940	4,300	---
	04/10/97	NLPH	---	---	---	---	29,000	200	1,200	440	970	6,400	---
	07/10/97	NLPH	7.30	10.74	---	---	42,000	690	1,700	870	1,900	12,000	---
	10/08/97	NLPH	7.62	10.42	---	---	42,000	1,100	1,700	2,500	1,400	9,900	---
	01/28/98	NLPH	4.77	13.27	---	---	35,000	6,800c	2,400	3,500	1,700	7,900	---
	04/14/98	NLPH	4.68	13.36	---	---	15,000	1,200c	1,700	250	500	2,000	---
	07/30/98	NLPH	6.33	11.71	---	---	24,000	1,700	1,600	560	1,000	4,300	---
	10/19/98	NLPH	6.65	11.39	---	---	29,000	1,700	1,200	2,500	920	4,900	---
	01/13/99	NLPH	6.42	11.62	---	---	50,900	1,920	2,210	6,440	2,030	10,600	---
04/28/99	NLPH	5.30	12.74	---	---	59,400	2,390c	3,790	4,260	1,790	2,970	---	
07/09/99	NLPH	6.22	11.82	---	---	51,500	4,630	5,890	5,340	2,370	12,700	---	
10/25/99	NLPH	6.77	11.27	---	---	51,000	1,700	3,900	5,800	2,300	12,300	---	







**TABLE 1**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	ug/L				Select VOCs
								B	T	E	X	
(16.05)	09/12/94	NLPH	6.09	9.96	---	8,800a	---	2,000	79	180	290	---
	10/01/94	NLPH	7.32	8.73	---	9,500a	---	1,400	6.7	700	310	---
	01/13/95	NLPH	14.38	1.67	---	5,700a	---	930	270	21	280	---
	04/27/95	NLPH	15.23	0.82	---	---	---	---	---	---	---	---
	08/03/95	NLPH	7.19	8.86	---	830	1,600	170	27	36	64	---
	10/17/95	NLPH	18.97	-2.92	---	180	3,600	<0.5	<0.5	<0.5	5.1	---
	01/24/96	NLPH	20.32	-4.27	---	1,700	6,400	290	82	14	170	---
	04/24/96	NLPH	9.46	6.59	---	3,500	7,300	670	200	110	490	---
	07/26/96	NLPH	16.50	-0.45	---	1,400	14,000	250	56	10	220	---
	10/30/96	NLPH	20.30	-4.25	---	1,500	13,000	200	44	8.8	190	---
	01/31/97	NLPH	19.21	-3.16	---	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.35	12.70	---	---	---	---	---	---	---	---
	04/14/98	NLPH	3.45	12.60	---	---	---	---	---	---	---	---
07/30/98	NLPH	11.50	4.55	---	---	---	---	---	---	---	---	
10/19/98	NLPH	5.67	10.38	---	---	---	---	---	---	---	---	
01/13/99	NLPH	9.57	6.48	---	---	---	---	---	---	---	---	
04/28/99	NLPH	10.15	5.90	---	---	---	---	---	---	---	---	
06/16/00	Property transferred to Valero Refining Company.											
(16.07)	Nov-2001	Well surveyed in compliance with AB 2886 requirements. Not monitored or sampled 07/09/99 through present.										
(16.02)	09/12/94	NLPH	6.12	9.90	---	300a	---	44	5.9	12	31	---
	10/01/94	NLPH	10.52	5.50	---	140a	---	12	0.42	1.7	3.7	---
	01/13/95	NLPH	18.13	-2.11	---	230a	---	4.6	7.6	1.2	6.6	---
	04/27/95	NLPH	23.07	-7.05	---	---	---	---	---	---	---	---
	08/03/95	NLPH	22.90	-6.88	---	<200	1,400	<2.0	<2.0	<2.0	<2.0	---
	10/17/95	NLPH	22.87	-6.85	---	74	2,400	4.4	<0.5	<0.5	<0.5	---
	01/24/96	NLPH	20.97	-4.95	---	120	2,300	16	<0.5	<0.5	<0.5	---
	04/24/96	NLPH	18.10	-2.08	---	180	3,800	34	3.7	8.9	11	---
07/26/96	NLPH	13.14	2.88	---	180	2,000	45	0.7	<0.5	2.1	---	



**TABLE 1**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	ug/L					Select VOCs
								B	T	E	X		
EW4 (cont.) (16.61)	07/30/98	NLPH	4.89	11.72	---	---	---	---	---	---	---	---	---
	10/19/98	NLPH	5.16	11.45	---	---	---	---	---	---	---	---	---
	01/13/99	NLPH	5.57	11.04	---	---	---	---	---	---	---	---	---
	04/28/99	NLPH	4.27	12.34	---	---	---	---	---	---	---	---	---
(15.69)	06/16/00	Property transferred to Valero Refining Company.											
	Nov-2001	Well surveyed in compliance with AB 2886 requirements. Not monitored or sampled 07/09/99 through present.											
EW5 (16.51)	09/12/94	NLPH	6.30	10.21	---	180a	---	26	1.7	11	12	---	---
	10/01/94	NLPH	11.83	4.68	---	130a	---	16	0.92	5.7	8.5	---	---
	01/13/95	NLPH	12.54	3.97	---	130a	---	0.6	0.8	0.6	2.9	---	---
	04/27/95	NLPH	13.11	3.40	---	---	---	---	---	---	---	---	---
	08/03/95	NLPH	11.99	4.52	---	70	210	<0.5	<0.5	<0.5	<0.5	---	---
	10/17/95	NLPH	13.43	3.08	---	78	50	1.5	<0.5	<0.5	3.0	---	---
	01/24/96	NLPH	9.72	6.79	---	2,500	350	280	66	22	370	---	---
	04/24/96	NLPH	8.13	8.38	---	6,400	400	690	240	380	1,300	---	---
	07/26/96	NLPH	10.00	6.51	---	850	84	82	2.5	2.4	100	---	---
	10/30/96	NLPH	9.82	6.69	---	1,200	68	110	5.1	2.2	120	---	---
	01/31/97	NLPH	9.00	7.51	---	---	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.54	12.97	---	---	---	---	---	---	---	---	---
	04/14/98	NLPH	3.65	12.86	---	---	---	---	---	---	---	---	---
	07/30/98	NLPH	7.63	8.88	---	---	---	---	---	---	---	---	---
	10/19/98	NLPH	5.75	10.76	---	---	---	---	---	---	---	---	---
01/13/99	NLPH	7.03	9.48	---	---	---	---	---	---	---	---	---	
04/28/99	NLPH	8.80	7.71	---	---	---	---	---	---	---	---	---	
(16.67)	06/16/00	Property transferred to Valero Refining Company.											
	Nov-2001	Well surveyed in compliance with AB 2886 requirements. Not monitored or sampled 07/09/99 through March 2002.											

**TABLE 1**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104

1725 Park Street  
Alameda, California

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Well ID # (TOC)	Sampling Date	SUBJ <.....>	DTW feet	Elev. feet	TPHd <.....>	TPHg <.....>	MTBE <.....>	B <.....>	T <.....>	E <.....>	X <.....>	Select VOCs <.....>
EW5 (cont.)	5/6/2002	NLPH	4.78	11.89	---	---	---	---	---	---	---	---
(16.67)	8/22/2002	NLPH	6.61	10.06	---	---	---	---	---	---	---	---
	11/8/2002	NLPH	3.74	12.93	---	---	---	---	---	---	---	---
	2/7/2003	NLPH	6.40	10.27	---	---	---	---	---	---	---	---
	5/2/2003	NLPH	5.91	10.76	---	---	---	---	---	---	---	---
	8/14/2003	NLPH	6.28	10.39	---	---	---	---	---	---	---	---
	11/14/2003	NLPH	6.19	10.48	---	---	---	---	---	---	---	---

- Notes:
- SUBJ = Results of subjective evaluation, liquid-phase hydrocarbon thickness in feet.
  - TOC = Elevation of top of well casing; in feet above mean sea level.
  - DTW = Depth to water.
  - Elev. = Elevation of groundwater in feet above mean sea level.
  - TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
  - TPHd = Total petroleum hydrocarbons as diesel using EPA Method 5030/8015 (modified).
  - MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8021B.
  - BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
  - Select VOCs = Select volatile organic compounds analyzed using EPA Method 8260.
  - NLPH = No liquid-phase hydrocarbons.
  - SPL = Separate-phase liquids present.
  - ND = Not detected at or above laboratory reporting limits.
  - = Not sampled.
  - ug/L = Micrograms per liter.
  - < = Less than the stated laboratory method reporting limit.
  - a = Total volatile hydrocarbons by DHS /LUFT Manual Method.
  - b = Results obtained from a 1:10 dilution analyzed on January 17, 1995.
  - c = Methyl tertiary butyl ether by EPA Method 8260 (GC/MS).
  - d = Diesel-range hydrocarbons reportedly detected in bailer blank; result is suspect.
  - e = TPHd was detected in the sample; however, the detections do not resemble the typical diesel pattern.
  - f = Well inaccessible.
  - g = MTBE analyzed using EPA Method 8260B.
  - h = Tertiary butyl alcohol (TBA) detected using EPA Method 8260B.
  - i = Di-isopropyl ether (DIPE) detected using EPA Method 8260B.
  - j = Ethyl tertiary butyl ether (ETBE) detected using EPA Method 8260B.

Data prior to second Quarter 2000 provided by Delta Environmental Consultants, Inc.



**TABLE 2**  
**CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR**  
**SOIL VAPOR EXTRACTION SYSTEM**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
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Date	Sample ID	Hour Meter	Hours of Operation	FIELD MEASUREMENTS			Flow lfm scfm	PID ppmv	Analytical Laboratory Results		TPH <sub>g</sub> Removal		Benzene Removal		Benzene Emission Rate lbs/day
				Temp F	Pressure in H <sub>2</sub> O	Vacuum in H <sub>2</sub> O			TPH <sub>g</sub> mg/m <sup>3</sup>	Benzene mg/m <sup>3</sup>	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	
09/12/00	System down upon arrival for carbon changeout. System running on departure.														
	A-INF	13,070	5	74		20	2,600	53	247.5	190	2.5	5.09	< 72.3	0.08	< 0.21
	A-INT								0.0	< 10	< 1.0				
	A-EFF								0.0	< 10	< 1.0				< 0.00
09/26/00	A-INF	13,406	336	80		22	2,450	50	448.7						
	A-INT								10.7						
	A-EFF								0.0						
10/12/00	System running on arrival and down upon departure for carbon c/o. Samples taken														
	A-INF	13,786	380	67		24	2,400	50	96.4	55	< 1.0	16.90	< 89.2	< 0.24	< 0.45
	A-INT								72.3	21	< 1.0				
	A-EFF								9.0	< 10	< 1.0				< 0.004
10/30/00	System down upon arrival for carbon changeout. System running on departure.														
	A-INF	13,788	2	56		24	2,450	52	10,024	1,700	15	0.33	< 89.5	0.00	< 0.46
	A-INT								59.1	< 10	< 1.0				
	A-EFF								0.0	< 10	< 1.0				< 0.005
11/08/00	A-INF	14,008	220	60		25	2,300	48	102.6	29	< 1.0	35.42	< 125.0	< 0.33	< 0.79
	A-INT								41.8	< 10	< 1.0				
	A-EFF								Stet	< 10	< 1.0				< 0.004
11/21/00	System running upon arrival. System down upon departure for carbon changeout.														
	A-INF	14,314	306	68		25	2,300	47	322.0						
	A-INT								32.3						
	A-EFF								42.9						
12/06/00	System down upon arrival for carbon changeout. System down upon departure for carbon changeout														
12/11/00	System down on arrival due to carbon changeout. Running on departure.														
	A-INF	14,316	2	52		24	2,400	51	957	240	2.1	7.66	< 132.6	0.09	< 0.87
	A-INT								1.2	< 10	< 1.0				
	A-EFF								3.1	< 10	< 1.0				< 0.005
12/27/00	A-INF	14,697	381	56		26	2,600	54	192.1						
	A-INT								4.8						
	A-EFF								0.0						
01/09/01	A-INF	15,012	315	56		25	2,400	50	82.4	32	< 1.0	17.95	< 150.6	< 0.20	< 1.08
	A-INT								23.2	< 10	< 1.0				
	A-EFF								0.0	< 10	< 1.0				< 0.005
01/23/01	System down on departure for carbon changeout.														
	A-INF	15,353	341	60		26	2,300	48	485.0						
	A-INT								35.2						
	A-EFF								20.7						

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 SOIL VAPOR EXTRACTION SYSTEM  
 Former Exxon Service Station 7-0104  
 1725 Park Street  
 Alameda, California  
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Date	Sample ID	Hour Meter	Hours of Operation	FIELD MEASUREMENTS						Analytical Laboratory Results		TPHg Removal		Benzene Removal		Benzene	
				Temp. F	Pressure in H <sub>2</sub> O	Vacuum in H <sub>2</sub> O	Flow lfm	scfm	PID ppmv	TPHg mg/m <sup>3</sup>	Benzene mg/ti <sup>3</sup>	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day	
01/31/01	A-INF	15,355	2	45		33	1,500	32	10000								
	A-INT								0								
	A-EFF								0								
02/13/01	A-INF	15,669	314	56		12	4,000	87	37.8	31	< 1.0	5.32	< 155.9	< 0.17	< 1.25		
	A-INT								29.5	< 10	< 1.0						
	A-EFF								0	< 10	< 1.0						< 0.008
02/27/01	System down upon departure for C/O.																
	A-INF	15,999	330	70		8	4,000	85	316								
	A-INT								37.5								
	A-EFF								73.6								
03/13/01	System down upon arrival for C/O and running upon departure. Monthly samples taken.																
	A-INF	16,002	3	65		9	4,000	86	5833	1300	6.1	71.70	< 227.6	0.38	< 1.63		
	A-INT								190.4	16	< 1.0						
	A-EFF								0	11	< 1.0						< 0.008
03/27/01	System running on arrival and departure.																
	A-INF	16,336	334	62		10	4,000	86	182.6								
	A-INT								16.8								
	A-EFF								0								
04/12/01	System running on arrival and departure.																
	A-INF	16,725	389	72		8	4,000	85	4.8								
	A-INT								2.6								
	A-EFF								0								
04/25/01	System running on arrival and departure.																
	A-INF	17,034	309	80		9	4,000	84	18.6	< 10	< 1.0	< 214.61	< 442.2	< 1.16	< 2.79		
	A-INT								9.5	< 10	< 1.0						
	A-EFF								0	26	< 1.0						< 0.008
05/09/01	System running on arrival and departure.																
	A-INF	17,371	337	86		10	4,000	83	11.3	< 10	< 1.0	< 1.05	< 443.3	< 0.10	< 2.90		
	A-INT								3.6	< 10	< 1.0						
	A-EFF								5.9	< 10	< 1.0						< 0.007
05/24/01	System running on arrival and departure.																
	A-INF	17,734	363	86		20	3,050	61	6.2								
	A-INT								1.6								
	A-EFF								3.1								
06/04/01	System running on arrival and departure.																
	A-INF	17,992	258	80		40	500	10	496	280	< 1.0	< 15.53	< 458.8	< 0.11	< 3.00		
	A-INT								19.7	< 10	< 1.0						
	A-EFF								3.2	< 10	< 1.0						< 0.001



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**CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR**  
**SOIL VAPOR EXTRACTION SYSTEM**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
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Date	Sample ID	Hour Meter	Hours of Operation	FIELD MEASUREMENTS					Analytical Laboratory Results		TPHg Removal		Benzene Removal		Benzene Emission Rate lbs/day	
				Temp F	Pressure in H <sub>2</sub> O	Vacuum in H <sub>2</sub> O	Flow lfm	PID ppmv	TPHg mg/m <sup>3</sup>	Benzene mg/m <sup>3</sup>	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds		
06/19/01	System running on arrival and departure.															
	A-INF	18,353	361	80		38	500	10	140							
	A-INT								6.4							
	A-EFF								3.0							
07/02/01	System running on arrival and departure.															
	A-INF	18,660	307	80		38	500	10	7.2							
	A-INT								0.0							
	A-EFF								0.0							
07/17/01	System running on arrival and departure.															
	A-INF	19,028	368	75		10	4,000	84	0.0	< 10	< 1.0	< 26.38	< 485.2	< 0.18	< 3.19	
	A-INT								0.0	< 10	< 1.0					
	A-EFF								0.0	< 10	< 1.0					< 0.008
08/07/01	System running on arrival and shut down on departure for blower failure															
	A-INF	---	---	---		---	---	---								
	A-INT															
	A-EFF															
08/13/01	System down on arrival, blower removed awaiting replacement.															
08/27/01	System down, awaiting blower replacement.															
09/10/01	System down, awaiting blower replacement.															
10/18/01	System down on arrival, installed blower, and running on departure.															
	A-INF	19,534	506	120		31	4,000	74	568.0							
	A-INT								3.0							
	A-EFF								2.0							
10/24/01	System running on arrival and running upon departure.															
	A-INF	19,673	139	80		41	3,300	63	93.1	72	< 1.0	7.31	< 492.5	< 0.18	< 3.36	
	A-INT								7.3	< 10	< 1.0					
	A-EFF								5	< 10	< 1.0					< 0.006
11/07/01	System running on arrival and down upon departure for carbon c/o. Samples taken															
	A-INF	20,012	339	74		45	3,000	58	230.0	55	< 1.0	4.88	< 497.4	< 0.08	< 3.44	
	A-INT								27.0	< 10	< 1.0					
	A-EFF								5.1	< 10	< 1.0					< 0.005
11/21/01	System running on arrival and down upon departure for carbon c/o. Samples taken															
	A-INF	20,012	0	150		45	3,000	51	373.0							
	A-INT								0.0							
	A-EFF								0							
12/12/01	System down upon arrival, K.O. tank H/H, and running upon departure.															
12/12/01	A-INF	20,361	349	142		46	3,000	51	98.1	45	1.3	3.55	< 500.9	0.08	< 3.52	
	A-INT								1.0	< 10	< 1.0					
	A-EFF								2.7	< 10	< 1.0					< 0.005

TABLE 2  
 CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR  
 SOIL VAPOR EXTRACTION SYSTEM  
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Date	Sample ID	Hour Meter	Hours of Operation	FIELD MEASUREMENTS				Flow lfm scfm	PID ppmv	Analytical Laboratory Results		TPHg Removal		Benzene Removal		Benzene Emission Rate lbs/day
				Temp F	Pressure in H <sub>2</sub> O	Vacuum in H <sub>2</sub> O	TPHg mg/m <sup>3</sup>			Benzene mg/m <sup>3</sup>	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds		
12/27/01	System down upon arrival and running upon departure.															
12/27/01	A-INF	20,508	147	142		44	2,400	41	2396							
	A-INT								2.4							
	A-EFF								0							
01/09/02	System running upon arrival, K.O. tank H/H, and running upon departure.															
01/09/02	A-INF	20,541	33	148		42	2,700	46	794.5	670	8.0	11.68	< 512.6	0.15	< 3.67	
	A-INT								36.2	< 10	< 1.0					
	A-EFF								2	< 10	< 1.0					< 0.004
01/23/02	System running upon arrival and down upon departure for carbon c/o.															
01/23/02	A-INF	20,876	335	136		45	3,800	66	41.2							
	A-INT								8.3							
	A-EFF								7.2							
02/06/02	System down upon arrival and running upon departure.															
02/06/02	A-INF	20,877	1	50		50	3,000	60	260	458	24.5	37.43	< 550.0	1.08	< 4.75	
	A-INT								4.9	< 5.00	< 0.500					
	A-EFF								0.1	< 5.00	< 0.500					< 0.003
02/21/02	System running upon arrival and upon departure.															
02/21/02	A-INF	21,237	360	158		50	2,600	43	189.8							
	A-INT								4.7							
	A-EFF								0.0							
03/06/02	System running upon arrival and upon departure.															
03/06/02	A-INF	21,549	312	152		45	2,800	47	185.2	82.3	2.90	36.20	< 586.2	1.84	< 6.59	
	A-INT								14.2	15.1	< 0.500					
	A-EFF								1.4	16.0	< 0.500					< 0.002
03/21/02	System running upon arrival and upon departure. Installed pressure gauge for field reading.															
03/21/02	A-INF	21,913	364	146	--	38	3,200	55	96.3							
	A-INT								1.5							
	A-EFF								1.7							
04/10/02	System running upon arrival and down upon departure.															
04/10/02	A-INF	22,393	480	76	--	45	3,200	61	64.3	12.0	0.16	8.06	< 594.3	0.26	< 6.85	
	A-INT								19.6	< 10	< 0.10					
	A-EFF								6	< 10	< 0.10					< 0.001
05/08/02	System down upon arrival and running upon departure.															
05/08/02	A-INF	22,394	1	109	--	37	3,000	55	354.1	440.0	3.2	0.05	< 594.3	0.00	< 6.85	
	A-INT								16.7	< 10	< 0.10					
	A-EFF								11.9	10	< 0.10					< 0.000

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Date	Sample ID	Hour Meter	Hours of Operation	FIELD MEASUREMENTS					Analytical Laboratory Results		TPHg Removal		Benzene Removal		Benzene
				Temp F	Pressure in H <sub>2</sub> O	Vacuum in H <sub>2</sub> O	Flow lfm	PID ppmv	TPHg mg/m <sup>3</sup>	Benzene mg/m <sup>3</sup>	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
05/16/02	System running upon arrival and upon departure.														
05/16/02	A-INF	22,592	198	118	7	41	2,800	50	98.1						
	A-INT								3.9						
	A-EFF								3.9						
05/22/02	System running upon arrival and upon departure.														
05/22/02	A-INF	22,731	139	118	7	38	2,800	51	98.1						
	A-INT								3.9						
	A-EFF								3.9						
06/05/02	System running upon arrival and down upon departure for carbon changeout.														
06/05/02	A-INF	23,068	337	118	--	38	3,000	54	101.1						
	A-INT								10.1						
	A-EFF								18.2						
06/19/02	System down upon arrival and running upon departure.														
06/19/02	A-INF	23,068	0	76	--	9	3,000	63	178.8	120.0	0.83	41.86	< 636.2	0.30	< 7.15
	A-INT								0.0	< 10	< 0.10				
	A-EFF								0.0	< 10	< 0.10				< 0.001
07/03/02	System running upon arrival and upon departure.														
07/03/02	A-INF	23,409	341	112	--	25	3,000	57	62.2	33	0.25	5.86	< 642.1	0.04	< 7.19
	A-INT								0.0	< 10	< 0.10				
	A-EFF								0.0	< 10	< 0.10				< 0.001
07/17/02	System down upon arrival and running upon departure.														
07/17/02	A-INF	23,434	25	109	--	70	3,000	50	82.2						
	A-INT								0.0						
	A-EFF								0.0						
07/31/02	System running upon arrival and upon departure.														
07/31/02	A-INF	23,764	330	110	--	21	3,000	58	16.4						
	A-INT								0.0						
	A-EFF								0.0						
08/14/02	System running upon arrival and upon departure.														
08/14/02	A-INF	24,103	339	112	--	16	3,000	58	9.8	19	0.21	3.88	< 645.9	0.03	< 7.23
	A-INT								0.0	< 10	< 0.10				
	A-EFF								0.0	< 10	< 0.10				< 0.001
08/28/02	System running upon arrival and down upon departure.														
08/28/02	A-INF	24,414	311	110	--	16	3,000	58	16.0						
	A-INT								0.0						
	A-EFF								0.0						

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Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
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Date	Sample ID	Hour Meter	Hours of Operation	FIELD MEASUREMENTS				Flow lfm scfm	PID ppmv	Analytical Laboratory Results		TPHg Removal		Benzene Removal		Benzene
				Temp F	Pressure in H <sub>2</sub> O	Vacuum in H <sub>2</sub> O	TPHg mg/m <sup>3</sup>			Benzene mg/m <sup>3</sup>	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day	
11/06/02	System down upon arrival and running upon departure.															
11/06/02	A-INF	24,415	1	106	--	26	3,000	57	1282	1,300	12	44.46	< 690.4	0.41	< 7.64	
	A-INT								0.0	< 10	< 0.10					
	A-EFF								0.0	< 10	< 0.10					< 0.001
11/20/02	System running upon arrival and upon departure.															
11/20/02	A-INF	24,754	339	122	--	36	3,300	60	67.6							
	A-INT								1.1							
	A-EFF								0.0							
12/04/02	System running upon arrival and upon departure.															
12/04/02	A-INF	25,084	330	112	--	46	3,200	57	47.5	< 500	< 5.0	< 129.10	< 819.5	< 1.22	< 8.86	
	A-INT								0.2	< 100	< 1.0					
	A-EFF								0.0	< 100	< 1.0					< 0.005
12/18/02	System running upon arrival and upon departure. Carbon C/O performed.															
	A-INF	25,422	668	112	7	46	3,000	54	76.1							
	A-INT								2.1							
	A-EFF								0.0							
01/06/03	System running upon arrival and down upon departure for carbon C/O.															
	A-INF	25,875	453	--	--	35	3200	--	372.0							
	A-INT								602.0							
	A-EFF								604.0							
01/15/03	System down on arrival and running on departure.															
01/15/03	A-INF	25,875	0	112	--	45	2,800	50	134.0	110	1.4	< 48.56	< 868.1	< 0.51	< 9.37	
	A-INT								1.3	22	< 0.20					
	A-EFF								0.0	< 20	< 0.20					< 0.001
01/29/03	System running upon arrival and departure.															
01/29/03	A-INF	26,210	335	114	--	45	2,700	48	56.9							
	A-INT								0.0							
	A-EFF								0.0							
02/12/03	System running upon arrival and departure.															
02/12/03	A-INF	26,548	338	110	--	44	2,800	51	50.6	24	0.27	8.51	< 876.6	0.11	< 9.47	
	A-INT								3.4	90	1.1					
	A-EFF								0.0	< 10	< 0.10					< 0.000
02/26/03	System running upon arrival and departure. Carbon C/O performed															
02/26/03	A-INF	26,884	336	112	--	44	2,300	46	122.9							
	A-INT								1.9							
	A-EFF								0.0							
03/12/03	System running upon arrival and departure. Carbon C/O performed															
	A-INF	27,218	334	120	--	43	2,600	52	30.4	59	0.81	5.33	< 881.9	0.07	< 9.54	
	A-INT								0.6	< 10	< 0.10					
	A-EFF								0.1	< 10	< 0.10					< 0.000



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Date	Sample ID	Hour Meter	Hours of Operation	FIELD MEASUREMENTS						Analytical Laboratory Results		TPHg Removal		Benzene Removal		Benzene	
				Temp F	Pressure in H <sub>2</sub> O	Vacuum in H <sub>2</sub> O	Flow lfm	scfm	PID ppmv	TPHg mg/m <sup>3</sup>	Benzene mg/m <sup>3</sup>	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day	
07/30/03	System running on arrival. Shut down for carbon c/o. Down on departure.																
	A-INF	30,241	331	118	---	40	3,050	61	51.7								
	A-INT								22.6								
	A-EFF								0.0								
08/13/03	System down on arrival. Restarted. Running on departure.																
	A-INF	30,244	3	125	---	39	3,100	61	321.0	110	1.9	14.05	< 994.7	0.23	< 11.22		
	A-INT								5.7	< 10	< 0.10						
	A-EFF								6.8	10	0.26						< 0.001
08/27/03	System running on arrival and departure.																
	A-INF	30,501	257	121	---	39	2,900	58	122.6								
	A-INT								2.6								
	A-EFF								1.5								
09/10/03	System running on arrival and departure.																
	A-INF	30,919	418	126	---	40	2,650	52	117.0	93	2.4	14.54	< 1,009.2	0.31	< 11.53		
	A-INT								6.4	< 10	< 0.10						
	A-EFF								3.0	< 10	< 0.10						< 0.0005
09/24/03	System running on arrival and departure.																
	A-INF	31,256	337	120	---	38.5	3,150	63	96.0								
	A-INT								17.0								
	A-EFF								0.6								
10/08/03	System running on arrival and departure.																
	A-INF	31,587	331	120	---	38	3,000	60	31.0	33	0.52	8.82	< 1,018.0	0.20	< 11.73		
	A-INT								1.9	< 10	< 0.10						
	A-EFF								0.0	< 10	< 0.10						< 0.0005
10/22/03	System running on arrival. Shut down due to bad motor starter. Down on departure.																
	A-INF	31,923	336	nm	---	41	2,700	nc	36.0								
	A-INT								3.0								
	A-EFF								2.0								
11/03/03	System down on arrival and departure.																
11/12/03	System down on arrival and departure. Replaced blower motor starter heater assembly.																
11/17/03	System down on arrival. Restarted. Running on departure.																
	A-INF	31,927	4	110	---	36	3,100	63	262.0								
	A-INT								3.1								
	A-EFF								0.2								
12/01/03	System running on arrival and departure.																
	A-INF	32,263	336	108	---	38	2,800	57	25.3	26	0.55	4.35	< 1,022.4	0.08	< 11.81		
	A-INT								0.0	< 10	< 0.10						
	A-EFF								0.0	< 10	< 0.10						< 0.0005

TABLE 2  
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR  
SOIL VAPOR EXTRACTION SYSTEM

Former Exxon Service Station 7-0104

1725 Park Street

Alameda, California

(Page 10 of 10)

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Notes: Data prior to April 1, 2000 provided by Delta Environmental Consultants, Inc.

A-INF = Influent vapor sample collected prior to biofilters.  
A-INT1 = Vapor sample collected after biofilters.  
A-INT2 = Vapor sample collected after 1st carbon vessel.  
A-INT3 = Vapor sample collected after 2nd carbon vessel.  
A-EFF = Vapor sample collected from effluent sample port.  
cfm = Cubic feet per minute.  
ppmv = Parts per million by volume.  
mg/M<sup>3</sup> = Milligrams per cubic meter.  
--- = Not sampled/Not measured.

Removal rates are calculated using ERI SOP-25: "Hydrocarbons Removed from A Vadose Well".

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**TABLE 3**  
**OPERATION AND PERFORMANCE DATA FOR**  
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
(Page 3 of 11)

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results						TPHg Removal		Benzene Removal		MTBE Removal	
				TPHg	B	T	E	X	MTBE	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative
				ug/L						lbs		lbs		lbs	
08/08/96	3,365,060	3.1	W-INF	580	49	4.6	<1.0	75	---	0.59	< 17.4	0.0575	< 3.53	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
09/05/96	---	---	W-INF	740	67	19	10	72	---	---	---	---	---	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
10/02/96	3,530,230	2.1	W-INF	980	130	39	7.8	130	---	1.07	< 18.5	0.1231	< 3.65	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
11/08/96	3,657,370	2.4	W-INF	480	42	7.1	0.69	79	---	0.77	< 19.2	0.0911	< 3.74	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
12/09/96	3,735,650	1.8	W-INF	< 50	< 0.5	<0.5	<0.5	<0.5	---	< 0.17	< 19.4	< 0.0139	< 3.75	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
01/21/97	3,735,730	0.001	W-INF	690	69	20	20	91	---	< 0.00	< 19.4	< 0.0000	< 3.75	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
02/10/97	3,735,360	0.0	W-INF	860	100	24	1.4	160	---	---	---	---	---	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
03/20/97	3,843,430	2.0	W-INF	86	< 0.5	<0.5	<0.5	5.1	---	0.43	< 19.8	< 0.0452	< 3.80	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
04/03/97	3,918,650	3.7	W-INF	690	31	6.1	<5.0	89	---	0.24	< 20.1	0.0099	< 3.81	---	---
			W-INT	< 1,000	< 10	<10	<10	<10							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
05/07/97	4,092,720	3.6	W-INF	1,000	57	29	11	110	---	1.22	< 21.3	0.0638	< 3.87	---	---
			W-INT	< 50	1.1	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							

TABLE 3  
**OPERATION AND PERFORMANCE DATA FOR**  
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
(Page 4 of 11)

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results						TPHg Removal		Benzene Removal		MTBE Removal				
				TPHg	B	T	E	X	MTBE	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative			
				<-----ug/L----->						<-----lbs----->		<-----lbs----->		<-----lbs----->				
06/11/97	4,144,600	1.0	W-INF	570	66	14	4.7	75	--	0.34	<	21.7	0.0266	<	3.90	--	--	
			W-INT	<	50	<	0.57	<	<0.5	<	<0.5	<	<0.5					
			W-EFF	<	50	<	0.5	<	<0.5	<	<0.5							
06/25/97	4,273,310	--	W-EFF	<	50	<	0.5	<	<0.5	<	<0.5							
07/24/97	4,363,090	3.5	W-INF	470	25	8.8	3.7	49	--	0.95	<	22.6	0.0828	<	3.98	--	--	
			W-INT	<	50	<	0.5	<	<0.5	<	<0.5	<	<0.5					
			W-EFF	<	50	<	0.5	<	<0.5	<	<0.5							
08/04/97	4,408,100	2.8	W-INF	610	48	18	6.2	69	--	0.20	<	22.8	0.0137	<	4.00	--	--	
			W-INT	<	50	<	0.76	<	<0.5	<	<0.5	<	<0.5					
			W-EFF	<	50	<	0.5	<	<0.5	<	<0.5							
10/21/97	4,496,810	0.8	W-INF	250	16	5.4	2.3	29	--	0.32	<	23.1	0.0236	<	4.02	--	--	
			W-INT	<	50	<	0.5	<	<0.5	<	<0.5	<	<0.5					
			W-EFF	<	50	<	0.5	<	<0.5	<	<0.5							
11/04/97	4,553,090	2.8	W-INF	510	22	9.8	13	60	--	0.18	<	23.3	0.0089	<	4.03	--	--	
			W-INT	<	50	<	0.82	<	<0.5	<	0.5							
			W-EFF	<	50	<	0.5	<	<0.5	<	<0.5							
12/05/97	4,588,340	0.8	W-INF	79	1.5	<0.5	<0.5	53	--	0.09	<	23.4	0.0034	<	4.03	--	--	
			W-INT	<	50	<	0.5	<	<0.5	<	<0.5							
			W-EFF	<	50	<	0.5	<	<0.5	<	<0.5							
01/08/98	4,625,400	0.8	W-INF	83	2.6	0.74	<0.5	5.4	--	0.03	<	23.4	0.0006	<	4.03	--	--	
			W-INT	<	50	<	0.5	<	<0.5	<	<0.5							
			W-EFF	<	50	<	0.58	<	<0.5	<	0.81	1.5						
03/03/98	4,662,470	0.5	W-INF	<	50	<	0.54	<	<0.5	0.88	--	<	0.02	<	23.4	0.0005	<	4.03
			W-INT	<	50	<	0.5	<	<0.5	<	0.5							
			W-EFF	<	50	<	0.5	<	<0.5	<	<0.5							
04/02/98	4,702,760	0.9	W-INF	1,100	170	32	12	160	--	0.19	<	23.6	0.0286	<	4.06	--	--	
			W-INT	<	50	<	0.5	<	<0.5	<	<0.5							
			W-EFF	<	50	<	0.5	<	<0.5	<	<0.5							





**TABLE 3**  
**OPERATION AND PERFORMANCE DATA FOR**  
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
(Page 7 of 11)

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results						TPHg Removal		Benzene Removal		MTBE Removal					
				TPHg	B	T	E	X	MTBE	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative				
				-----> ug/L <-----						-----> lbs. <-----		-----> lbs. <-----		-----> lbs. <-----					
12/09/99	5,992,780	0.7	W-INF	200	28	3.2	2.2	22.4	--	0.08	<	29.1	0.0083	<	4.72	--	--		
			W-INT1	< 50	< 1.0	<1.0	<1.0	<1.0											
			W-INT2	< 50	< 1.0	<1.0	<1.0	<1.0											
			W-EFF	< 50	< 1.0	<1.0	<1.0	<1.0											
01/10/00	6,035,690	0.9	W-INF	120	11	1.5	1.8	14.5	--	0.06	<	29.2	0.0070	<	4.73	--	--		
			W-INT	< 50	< 1.0	<1.0	<1.0	<1.0											
			W-EFF	< 50	< 1.0	<1.0	<1.0	<1.0											
02/08/00	6,055,000	0.5	W-INF	130	14	<1.0	<1.0	11.9	--	0.02	<	29.2	0.0020	<	4.73	--	--		
			MID	< 50	< 1.0	<1.0	<1.0	<1.0											
			W-EFF	< 50	< 1.0	<1.0	<1.0	<1.0											
03/24/00	6,080,125	0.4	System shutdown pending evaluation.																
03/28/00	6,080,360	0.04	W-INF	< 50	< 1.0	<1.0	<1.0	<1.0	--	<	0.02	<	29.2	<	0.0016	<	4.73	--	--
			MID	< 50	< 1.0	<1.0	<1.0	<1.0											
			W-EFF	< 67	< 1.0	<1.0	<1.0	<1.0											
03/28/00	System shutdown upon departure.																		
04/01/00	Environmental Resolutions, Inc. assumed operation of the remediation system.																		
04/01/00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
06/05/02	System down on arrival and running on departure. Startup. Water samples collected for startup.																		
06/05/02	10	0.00001	W-INF	< 50	< 0.5	<0.5	<0.5	<0.5	--	0.000	<	29.2	0.000	<	4.73	--	--		
			W-INT 1	< 50	< 0.5	<0.5	<0.5	<0.5											
			W-INT 2	< 50	< 0.5	<0.5	<0.5	<0.5											
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5											
06/19/02	GRS running on arrival and departure.																		
06/19/02	47,370	2.3492																	
07/03/02	GRS running on arrival and departure.																		
07/03/02	114,030	3.3065	W-INF	270	< 2.5	<2.5	<2.5	<2.5	1,300	0.152	<	29.3	<	0.001	<	4.74	1.24	1.24	
			W-INT 1	< 50	< 0.5	<0.5	<0.5	<0.5	46										
			W-INT 2	< 50	< 0.5	<0.5	<0.5	<0.5	<2.5										
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5	<2.5										
07/17/02	GRS down on arrival and running on departure.																		
07/17/02	114,230	0.010																	

**TABLE 3**  
**OPERATION AND PERFORMANCE DATA FOR**  
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**  
Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
(Page 8 of 11)

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results						TPHg Removal		Benzene Removal		MTBE Removal							
				TPHg	B-	T	E	X	MTBE	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative						
				<-----ug/L----->						<-----lbs----->		<-----lbs----->		<-----lbs----->							
07/31/02	GRS running on arrival and down on departure.																				
07/31/02	179,580	3.2416																			
08/14/02	GRS down on arrival and running on departure.																				
08/14/02	179,930	0.0174	W-INF	620	4.1	<2.5	<2.5	<2.5	1,400	0.245	<	29.6	0.002	<	4.74	0.742	1.979				
			W-INT 1	< 50	< 0.50	<0.50	<0.50	<0.5	150												
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.5	<2.5												
			W-EFF	< 50	< 0.50	<0.50	<0.50	<0.50	<2.5												
08/28/02	GRS running on arrival and down on departure.																				
08/28/02	222,900	2.1314																			
11/06/02	GRS down on arrival and running on departure.																				
11/06/02	223,080	0.0018	W-INF	660	<	5.0	<5.0	<5.0	<5.0	1,700	0.230	<	29.8	<	0.002	<	4.74	0.558	2.537		
			W-INT 1	100		3.9	<0.5	<0.5	1.4	150											
			W-INT 2	< 50	<	0.5	<0.5	<0.5	<0.5	<2.5											
			W-EFF	< 50	<	0.5	<0.5	<0.5	<0.5	<2.5											
11/20/02	GRS down on arrival and departure.																				
11/20/02	NM	NM																			
12/04/02	GRS down on arrival and departure.																				
12/04/02	NM	NM																			
12/18/02	GRS down on arrival and departure.																				
12/18/02	NM	NM																			
01/03/03	GRS down on arrival and departure.																				
01/03/03	224,032	0.0114																			
01/06/03	GRS down on arrival and departure.																				
01/06/03	NM	NM																			
01/15/03	GRS down on arrival and running on departure.																				
01/15/03	224,360	0.0190	W-INF	730	<	5.0	<5.0	<5.0	<5.0	1,200	0.007	<	29.8	0.000	<	4.74	0.015	2.552			
			W-INT 1	71	<	0.50	<0.50	<0.50	<0.50	110											
			W-INT 2	NM		NM	NM	NM	NM	NM											
			W-EFF	< 50	<	0.50	<0.50	<0.50	<0.50	<2.5											
01/29/03	GRS running on arrival and departure.																				
01/29/03	283,830	2.9499																			
02/12/03	GRS running on arrival and departure.																				
02/12/03	321,540	1.8705	W-INF	<	500	<	5.0	<5.0	<5.0	<5.0	500	<	0.499	<	30.3	<	0.004	<	4.74	0.904	3.456
			W-INT 1	<	500	<	5.0	<5.0	<5.0	<5.0	500										
			W-INT 2	<	250	<	2.5	<2.5	<2.5	<2.5	330										
			W-EFF	<	50	<	0.50	<0.50	<0.50	<0.50	<2.5										
02/26/03	GRS running on arrival and departure.																				
02/26/03	383,280	3.0625																			







TABLE 3  
OPERATION AND PERFORMANCE DATA FOR  
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

Former Exxon Service Station 7-0104  
1725 Park Street  
Alameda, California  
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Notes: Data prior to April 1, 2000 provided by Delta Environmental Consultants, Inc.

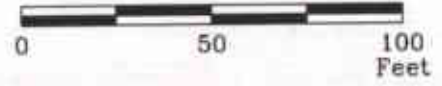
W-INF	=	Water sample collected at the influent sample location.
W-INT	=	Water sample collected at the intermediate sample location.
W-EFF	=	Water sample collected at the effluent sample location.
W-PSP#1	=	Water sample collected at the effluent sample location (EBMUD process sampling point #1).
gal	=	Gallons.
gpm	=	Gallons per minute.
ug/L	=	Micrograms per liter.
lbs	=	Pounds.
TPHg	=	Total petroleum hydrocarbons as gasoline.
B	=	Benzene.
T	=	Toluene.
E	=	Ethylbenzene.
X	=	Total xylenes.
<	=	Less than the laboratory method reporting limit as indicated.
---	=	Not measured/Not sampled/Not analyzed/Not calculated.

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APPROXIMATE SCALE



FN 25060002

### GENERALIZED SITE PLAN

FORMER  
EXXON SERVICE STATION 7-0104  
1725 Park Street  
Alameda, California

#### EXPLANATION

- MW11 Groundwater Monitoring Well
- EW4 Recovery Well
- MW10 Destroyed Groundwater Monitoring Well

- MW4 Groundwater Monitoring Well By Others
- VW2 Vapor Extraction Well
- AS1 Air Sparge/Soil Vapor Well

PROJECT NO.  
2506

PLATE  
2

