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Global Remediation
4096 Piedmont Avenue #194
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Jennifer C. Sedlachek
Project Manager

RO 4416

ExxonMobil
Refining & Supply

October 7, 2005

Alameda County
OCT 21 2005
Environmental Health

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

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

Dear Mr. Gholami:

Attached for your review and comment is a copy of the letter report entitled ***Start-Up Report for Groundwater Extraction and Treatment and Air Sparge/Soil Vapor Extraction System,*** dated October 7, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details remedial activities for the subject site.

Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached report is true and correct.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: ERI's Start-Up Report for Groundwater Extraction and Treatment and Air Sparge/Soil Vapor Extraction System, dated October 7, 2005.

cc: w/ attachment
Mr. Stephen Hill, California Regional Quality Control Board, San Francisco Bay Region
Mr. Joseph A. Aldridge, Valero Energy Corporation
Ms. Trish Maguire, East Bay Municipal Utility District
Mr. Robert Cave, Bay Area Air Quality Management

w/o attachment
Ms. Paula Sime, Environmental Resolutions, Inc.

ENVIRONMENTAL RESOLUTIONS, INC.

October 7, 2005
ERI 250611JS.L23

Ms. Jennifer C. Sedlachek
ExxonMobil Refining & Supply – Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611

Subject: Start-Up Report for Groundwater Extraction and Treatment and Air Sparge/Soil Vapor Extraction Systems, Former Exxon Service Station 7-0104, 1725 Park Street, Alameda, California

Bay Area Air Quality Management District Plant No. 8252
East Bay Municipal Utility District Wastewater Discharge Permit No. 50266631

Ms. Sedlachek:

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) installed and operates a groundwater extraction and treatment (GET) system, and an air sparge/soil vapor extraction (AS/SVE) system at the subject site. The original GET and SVE systems were not operated from February 2004 through May 2005. ERI completed a retrofit to the GET and AS/SVE systems in June 2005. ERI began operation of the upgraded GET and AS/SVE systems on June 27, 2005. This letter describes upgrades and associated field work, permitting, and start up of the GET and SVE systems.

REMEDIATION SYSTEM UPGRADES

The original AS/SVE system consisted of a horizontal trench with four vapor extraction points (SW1, SM1, VW1 and VW2) and one AS well (AS1). ERI disconnected and capped the SVE in the compound. ERI connected vacuum to groundwater extraction wells EW1 through EW5 to allow for SVE and simultaneous groundwater pumping (vacuum-enhanced pump and treat). ERI used the existing 6-inch and 10-inch underground conduit piping for SVE conveyance. ERI installed a new SVE blower with a higher flow rate to address the increase in both the number and size of the wells. The existing Bay Area Air Quality Management District (BAAQMD) Permit to Operate was modified to comply with the increased flow rate.

The GET system has remained unchanged except for the retrofit to the well head to allow for simultaneous SVE and pump and treat. Specifically the wells were fitted with a 4-inch polyvinyl chloride (PVC) schedule 80 "tee" to accept the 2-inch vapor extraction piping. New well seals were added to keep the wells vacuum tight. Each well is individually controlled with a ball valve at each well vault. ERI installed electric high level shut-off floats in each of the five extraction wells (EW1 through EW5) to help prevent an accidental release of untreated groundwater.

Soil Vapor Extraction System

The SVE system consists of a regenerative vacuum blower capable of a flow rate of 360 cubic feet per minute (cfm) to extract soil vapors from wells EW1 through EW5. Extracted soil vapor is directed through a 55-gallon knockout tank to remove moisture from the vapor stream. A sump pump inside the knockout tank automatically pumps water and directs it to the holding tank for treatment by the GET system. The vapor stream is directed to three 500-pound vapor phase granular activated carbon (GAC) vessels, arranged in series, prior to discharge to the atmosphere under provisions of the BAAQMD Permit to Operate. The modified equipment layout is shown on Plate 2. The modified system process and

instrumentation are shown on Plate 3. The system is visited for routine operation and maintenance (O&M) on a weekly basis. The BAAQMD requires photo-ionization detector (PID) readings taken from the system during weekly O&M visits. Samples are collected on a monthly basis from the SVE system and sent to TestAmerica Incorporated (TestAmerica), a California state-certified laboratory, under Chain-of-Custody protocol. The samples are analyzed for total petroleum hydrocarbons as gasoline (TPHg) using EPA Method 8015B, and methyl tertiary butyl ether (MTBE) and benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8021B.

The air sparge system uses an oil-less air compressor to inject subsurface air to help volatize dissolved-phase hydrocarbons and oxygenates from groundwater for effective vapor extraction.

Groundwater Extraction and Treatment System

The GET system uses five pneumatic pumps to extract groundwater from wells EW1 through EW5. Extracted groundwater is directed via the conveyance piping to the holding tank. Water collected in the holding tank is pumped through a particulate filter, three 500-pound GAC vessels, arranged in series, and a second polishing filter prior to discharge to the sanitary sewer system under provisions of an East Bay Municipal Utility District (EBMUD). Samples from the GET system are collected on a monthly basis and sent to TestAmerica, under Chain-of-Custody protocol. The samples are analyzed for TPHg using EPA Method 8015B, and MTBE and BTEX using EPA Method 8021B.

Details of the upgraded GET and AS/SVE systems are shown on the Generalized Site Plan (Plate 1), the Equipment Layout Diagram (Plate 2), and the As-Built Process and Instrumentation Diagram (Plate 3).

SYSTEM START-UP

On April 8, 2005, during the retrofit process, ERI started the GET system to collect samples and ensure the aqueous-phase GAC vessels were removing hydrocarbons and fuel oxygenates. Approximately 400 gallons were pumped through the GET system and directed to a storage tank. Upon receipt of the sample results (Attachment A) showing compliance with the East Bay Municipal Utility District (EBMUD) Wastewater Discharge Permit, the treated water in the storage tank was discharged. The GET system was started for continuous operation on June 27, 2005. The results of field measurements and sample results for the GET system are shown on Table 1. Laboratory analytical results and Chain-of-Custody are included in Attachment A.

On June 27, 2005, ERI started up both the GET and AS/SVE systems. Samples were collected from the SVE system on June 27, 2005 and submitted to TestAmerica. ERI shut down the SVE system on June 28, 2005, to submit a request for and await a modification to the BAAQMD Permit to Operate. ERI wrote a letter to Mr. Robert Cave of the BAAQMD requesting that the monitoring frequency be extended from daily visitations to bi-weekly visitations based on laboratory analytical results (Attachment A). Laboratory analytical results and Chain-of-Custody are included in Attachment A. On July 8, 2005, after receipt of the new Permit to Operate conditions for bi-weekly monitoring visits, ERI started the system for continuous operation. The results of field measurements and sample results for the SVE system are shown on Table 2.

The results of the system start-up analyses indicate that the GET and AS/SVE systems are operating within permitted conditions. The systems are currently operating on a full-time basis.

DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Mr. Amir Gholami
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 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

Ms. Trish Maguire
Source Control Division
East Bay Municipal Utility District
P.O. Box 24055
Oakland, California 94623-1055

Mr. Robert Cave
Bay Area Quality Management Division
939 Ellis Street
San Francisco, California 94109

Please call Ms. Paula Sime, ERI's project manager for this site, at (707) 766-2000 with any questions regarding this letter.

Sincerely,
Environmental Resolutions, Inc.

No Stamp?

Corey T. Weiand
Senior Staff Engineer

Paula Sime
Project Manager

Attachments:

	Table 1:	Operation and Performance Data for Groundwater Extraction and Treatment System
	Table 2:	Cumulative Hydrocarbon Removal and Emissions for Soil Vapor Extraction System
	Plate 1:	Generalized Site Plan
	Plate 2:	Equipment Layout Diagram
	Plate 3:	As-Built Process and Instrumentation Diagram
	Attachment A:	Laboratory Analytical Report and Chain-of-Custody Record

TABLE 1
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg	B	T	E	X	MTBE	TPHg Removal Per Period	TPHg Removal Cumulative	Benzene Removal Per Period	Benzene Removal Cumulative	MTBE Removal Per Period	MTBE Removal Cumulative
				<-----ug/L----->						<-----lbs----->		<-----lbs----->		<-----lbs----->	
10/10/94	1,331,420		W-INF	< 50	< 0.5	<0.5	<0.5	<0.5	---					—	---
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
12/02/94	1,392,010	0.8	W-INF	65	1.9	0.9	<0.5	2.4	—	< 0.03	< 0.03	< 0.0006	< 0.00	—	—
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
01/13/95	1,415,980	0.4	W-INF	1,000	< 0.5	<0.5	<0.5	<0.5	—	0.11	< 0.1	< 0.0002	< 0.00	—	—
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
02/23/95	1,494,030	1.3	W-INF	57	< 0.5	<0.5	<0.5	2.7	---	0.34	< 0.5	< 0.0003	< 0.00	—	—
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
03/14/95	---		W-INF	< 50	< 0.5	<0.5	<0.5	<0.5	—	---	---	---	—	—	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
04/14/95	1,513,240	0.3	W-INF	< 50	< 0.5	<0.5	<0.5	<0.5	---	< 0.01	< 0.5	< 0.0001	< 0.00	—	—
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
05/18/95	1,714,850	4.1	W-INF	NS	—	---	---	—	---	---	---	---	—	---	---
06/30/95	1,847,330	2.1	W-INF	1,700	480	23	66	180	---	< 2.44	< 2.9	0.6685	< 0.67	—	—
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
07/12/95	1,908,730	3.6	W-INF	290	68	<2.0	2.4	5.6	—	0.51	< 3.4	0.1128	< 0.78	—	—
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
08/09/95	2,027,830	3.0	W-INF	6,600	1,700	260	370	550	---	3.42	< 6.9	0.8768	< 1.66	---	—
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
09/06/95	2,158,260	3.2	W-INF	120	17	0.84	1.0	3.0	—	3.65	< 10.5	0.9325	< 2.59	---	—
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							

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GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs	MTBE Removal Per Period lbs	MTBE Removal Cumulative lbs
10/11/95	2,215,310	1.1	W-INF	160	22	0.97	1.2	4.0	---	0.07	< 10.6	0.0093	< 2.60	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
11/16/95	2,384,880	3.3	W-INF	120	4.9	<0.5	<0.5	5.9	---	0.20	< 10.8	0.0190	< 2.62	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
12/14/95	2,453,200	1.7	W-INF	450	46	16	4.6	65	---	0.16	< 10.9	0.0145	< 2.63	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
01/05/96	2,516,900	2.0	W-INF	240	26	2.4	1.2	20	---	0.18	< 11.1	0.0191	< 2.65	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
02/14/96	2,680,160	2.8	W-INF	470	43	5.5	<0.5	55	---	0.48	< 11.6	0.0469	< 2.70	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
03/12/96	2,767,820	2.3	W-INF	620	60	9.8	3.9	70	---	0.40	< 12.0	0.0376	< 2.74	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
04/16/96	2,927,390	3.2	W-INF	790	120	27	8.8	120	---	0.94	< 12.9	0.1196	< 2.86	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
05/07/96	2,971,100	1.4	W-INF	430	66	2.7	5	32	---	0.22	< 13.2	0.0339	< 2.89	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
06/11/96	3,109,730	2.8	W-INF	2,900	470	120	19	410	---	1.92	< 15.1	0.3094	< 3.20	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
07/09/96	3,232,330	3.0	W-INF	490	55	6.2	<0.5	110	---	1.73	< 16.8	0.2680	< 3.47	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							

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Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs	MTBE Removal Per Period lbs	MTBE Removal Cumulative 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							

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Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs	MTBE Removal Per Period lbs	MTBE Removal Cumulative 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	<0.5							
06/25/97	4,273,310	—	W-EFF	< 50	< 0.5	<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	<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	<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	<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	0.5							
			W-EFF	< 50	< 0.5	<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	<0.5							
			W-EFF	< 50	< 0.5	<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	<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	<0.5	0.88	—	< 0.02	< 23.4	0.0005	< 4.03	—	—
			W-INT	< 50	< 0.5	<0.5	<0.5	0.5							
			W-EFF	< 50	< 0.5	<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	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							

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Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs	MTBE Removal Per Period lbs	MTBE Removal Cumulative lbs
05/04/98	4,786,330	1.8	W-INF	1,000	140	23	8.5	150	—	0.73	< 24.4	0.1079	< 4.17	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
06/10/98	4,852,030	1.2	W-INF	670	110	16	7.6	74	—	0.46	< 24.8	0.0684	< 4.24	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
07/07/98	4,951,910	2.6	W-INF	690	91	13	6.3	55	---	0.57	< 25.4	0.0836	< 4.32	---	—
			W-INT	< 200	< 2.0	<2.0	<2.0	<2.0							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
08/04/98	5,039,980	2.2	W-INF	230	36	6.4	2.5	17	---	0.34	< 25.7	0.0466	< 4.37	---	—
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
09/03/98	5,080,850	0.9	W-INF	280	13	2.0	6.4	21	---	0.09	< 25.8	0.0083	< 4.38	---	—
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
10/20/98	NM		W-INF	740	43	54	25	110	—	—	---	---	—	---	—
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
11/09/98	5,232,360	1.6	W-INF	300	37	10	8.4	43	—	0.37	< 26.2	0.0315	< 4.41	—	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
12/08/98	5,284,180	1.2	W-INF	700	82	25	13	100	—	0.22	< 26.4	0.0257	< 4.43	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
01/13/99	5,377,930	1.8	W-INF	1,030	155	46.5	52.7	73.3	—	0.68	< 27.1	0.0925	< 4.53	—	---
			W-INT	< 500	< 5.0	<5.0	<5.0	<5.0							
			W-EFF	< 500	< 5.0	<5.0	<5.0	<5.0							
02/08/99	5,441,820	1.7	W-INF	260	31	9.0	2.4	33	—	0.34	< 27.4	0.0495	< 4.58	—	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							

TABLE 1
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs	MTBE Removal Per Period lbs	MTBE Removal Cumulative lbs
03/08/99	5,509,090	1.7	W-INF	800	87	16	8.5	140	---	0.30	< 27.7	0.0331	< 4.61	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
04/05/99	5,571,890	1.6	W-INF	< 500	36.6	12.2	5.84	20.9	---	< 0.34	< 28.0	0.0323	< 4.64	---	---
			W-INT	< 500	< 5.0	<5.0	<5.0	<5.0							
			W-EFF	< 500	< 5.0	<5.0	<5.0	<5.0							
05/06/99	5,621,560	1.1	W-INF	310	45	6.0	0.86	41	---	0.17	< 28.2	0.0169	< 4.66	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
06/07/99	5,706,250	1.8	W-INF	< 250	24.8	<2.5	<2.5	8.74	---	< 0.20	< 28.4	0.0246	< 4.68	---	---
			W-INT	< 100	< 1.0	<1.0	<1.0	<1.0							
			W-EFF	< 250	< 2.5	<2.5	<2.5	<2.5							
07/28/99	5,805,010	1.3	W-INF	< 100	7.00	<1.0	2.40	6.40	---	< 0.14	< 28.5	0.0131	< 4.70	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
08/09/99	5,849,280	2.6	W-INF	< 500	17.1	5.88	<5.0	26.8	---	< 0.11	< 28.7	0.0044	< 4.70	---	---
			W-INT	< 250	< 2.5	<2.5	<2.5	<2.5							
			W-EFF	< 250	< 2.5	<2.5	<2.5	<2.5							
09/07/99	5,880,860	0.8	W-INF	< 500	20.4	<5.0	<5.0	31.1	---	< 0.13	< 28.8	0.0049	< 4.71	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
10/12/99	5,966,690	1.7	W-INF	100	2	<1.0	<1.0	<1.0	---	0.21	< 29.0	0.0080	< 4.71	---	---
			W-INT	< 50	< 1.0	<1.0	<1.0	<1.0							
			W-EFF	< 50	< 1.0	<1.0	<1.0	<1.0							
11/18/99	5,971,540	0.1	W-INF	660	66	7.8	5.6	57	---	0.02	< 29.0	0.0014	< 4.72	---	---
			W-INT	< 50	< 1.0	<1.0	<1.0	<1.0							
			W-EFF	< 50	< 1.0	<1.0	<1.0	<1.0							

TABLE 1
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg	B	T	E	X	MTBE	TPHg Removal Per Period	TPHg Removal Cumulative	Benzene Removal Per Period	Benzene Removal Cumulative	MTBE Removal Per Period	MTBE Removal 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						
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													

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1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs	MTBE Removal Per Period lbs	MTBE Removal Cumulative 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													

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Former Exxon Service Station 7-0104
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Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs	MTBE Removal Per Period lbs	MTBE Removal Cumulative lbs
03/12/03	GRS running on arrival and departure.														
03/12/03	439,050	2.7664	W-INF	190	< 10	<10	<10	<10	1,200	0.338	< 30.7	< 0.007	< 4.75	0.833	4.289
			W-INT 1	86	< 2.5	<2.5	<2.5	<2.5	150						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	1.5						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.5						
03/26/03	GRS running on arrival and departure.														
03/26/03	489,680	2.5114													
04/09/03	GRS running on arrival and departure.														
04/09/03	537,030	2.3487	W-INF	< 500	< 25	<25	<25	<25	930	< 0.282	< 30.9	< 0.014	< 4.76	0.871	5.160
			W-INT 1	50	< 2.5	<2.5	<2.5	<2.5	91						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	8.7						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.5						
04/23/03	GRS running on arrival and departure.														
04/23/03	584,410	2.3502													
05/07/03	GRS running on arrival and departure.														
05/07/03	613,620	1.4489	W-INF	180	< 5.0	<5.0	<5.0	<5.0	430	0.217	< 31.2	< 0.010	< 4.77	0.435	5.595
			W-INT 1	110	< 0.50	<0.50	<0.50	<0.50	99						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	18						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
05/21/03	GRS running on arrival and departure.														
05/21/03	646,410	1.6265													
06/04/03	GRS running on arrival, down on departure for carbon c/o														
06/04/03	723,100	3.8041													
06/18/03	GRS down on arrival, running on departure, monthly samples taken.														
06/18/03	723,320	0.0109	W-INF	< 250	< 2.5	<2.5	<2.5	<2.5	410	0.197	< 31.4	< 0.003	< 4.78	0.384	5.979
			W-INT 1	< 50	< 0.50	<0.50	<0.50	<0.50	<2.5						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	<2.5						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<2.5						
07/02/03	GRS running on arrival and departure.														
07/02/03	751,630	1.4043	W-INF	120	< 25	<25	<25	29	560	0.044	< 31.4	< 0.003	< 4.78	0.115	6.094
			W-INT 1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
07/16/03	GRS running on arrival and departure.														
07/16/03	778,100	1.3130													
07/30/03	GRS running on arrival and departure.														
07/30/03	805,390	1.3537													

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GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg	B	T	E	X	MTBE	TPHg Removal Per Period	TPHg Removal Cumulative	Benzene Removal Per Period	Benzene Removal Cumulative	MTBE Removal Per Period	MTBE Removal Cumulative
				<----------ug/L---------->						<----------lbs---------->					
08/13/03	GRS running on arrival and departure.														
08/13/03	828,920	1.1672	W-INF	390	< 10	<10	<10	<10	620	0.164	< 31.6	< 0.011	< 4.79	0.380	6.474
			W-INT 1	< 50	< 0.50	<0.50	<0.50	<0.50	0.90						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
08/27/03	GRS running on arrival and departure.														
08/27/03	854,560	1.2718													
09/10/03	GRS down on arrival, running on departure.														
09/10/03	854,800	0.0119	W-INF	89	< 5.0	<5.0	<5.0	<5.0	140	0.052	< 31.6	< 0.002	< 4.79	0.082	6.556
			W-INT 1	< 50	< 0.50	<0.50	<0.50	<0.50	0.81						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
09/24/03	GRS running on arrival and departure.														
09/24/03	879,920	1.2460													
10/08/03	GRS running on arrival and departure.														
10/08/03	903,850	1.1870	W-INF	330	< 10	<10	<10	<10	540	0.086	< 31.7	< 0.003	< 4.80	0.139	6.695
			W-INT 1	< 50	< 0.50	<0.50	<0.50	<0.50	1.5						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
10/22/03	GRS running on arrival and departure.														
10/22/03	927,460	1.1711													
11/03/03	GRS running on arrival and departure.														
11/03/03	947,710	1.1719	W-INF	530	< 10	<10	<10	<10	810	0.157	< 31.9	< 0.004	< 4.80	0.247	6.942
			W-INT 1	< 50	< 0.50	<0.50	<0.50	<0.50	4.4						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
11/17/03	GRS down on arrival. Restarted. Running on departure.														
11/17/03	964,770	0.8462													
12/01/03	GRS running on arrival and departure.														
12/01/03	992,510	1.3760	W-INF	410	< 250	<250	<250	<250	820	0.176	< 32.0	< 0.049	< 4.85	0.305	7.247
			W-INT 1	< 50	< 0.50	<0.50	<0.50	<0.50	4.2						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
12/15/03	GRS running on arrival and departure.														
12/15/03	1,021,420	1.4340													
12/29/03	GRS running on arrival and departure.														
12/29/03	1,051,220	1.4782													

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Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TPHg Removal Per Period (lbs)	TPHg Removal Cumulative (lbs)	Benzene Removal Per Period (lbs)	Benzene Removal Cumulative (lbs)	MTBE Removal Per Period (lbs)	MTBE Removal Cumulative (lbs)
01/12/04	System down on arrival (H/H holding tank), transfer pump failure.														
01/12/04	1,062,140	0.5417													
01/26/04	System shut down on arrival, replaced transfer pump restarted system. Collected monthly samples.														
01/26/04	1,062,440	0.0149	W-INF	300	< 5.0	<5.0	<5.0	<5.0	770	0.207	< 32.2	< 0.074	< 4.92	0.464	7.711
			W-INT 1	< 50	< 0.50	<0.50	<0.50	<0.50	5.7						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
			W-PSP#1	< 50	< 0.50	<0.50	<0.50	<0.50	<0.50						
02/09/04	System down on arrival (H/H holding tank, transfer pump appears to have failed). System shut down on departure.														
02/09/04	1,062,450	0.0005													
04/08/05	Started GRS and ran water through system into holding tank (no discharge). Approximately 400 gallons.														
04/08/05	1,064,739	0.0037	W-INF	600	< 0.50	<0.5	<0.5	<0.5	748	0.009	< 32.3	< 0.000	< 4.92	0.015	7.725
			W-INT 1	< 50.0	< 0.50	<0.5	<0.5	<0.5	2.9						
			W-INT 2	< 50.0	< 0.50	<0.5	<0.5	<0.5	<0.5						
			W-PSP#1	< 50.0	< 0.50	<0.5	<0.5	<0.5	<0.5						
06/27/05	1,065,780	0.0090													
06/28/05	1,066,510	0.5069													
06/29/05	1,075,770	6.4306													
07/01/05	1,093,250	6.0694													
07/08/05	1,146,060	5.2391													
07/15/05	1,201,070	5.4573													

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.

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Sample ID	FIELD MEASUREMENTS: Hour Meter	Hours of Operation	Temp EFF F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	Analytical Laboratory Results: TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	TPHg Removal: Per Period Pounds	TPHg Removal: Cumulative Pounds	MTBE Removal: Per Period Pounds	MTBE Removal: Cumulative Pounds	Benzene Removal: Per Period Pounds	Benzene Removal: Cumulative Pounds	Benzene Emission Rate lbs/day
02/16/98	System startup	---	0	---		—		—	---										
03/24/00	System shutdown pending evaluation																		
		12,001											< 60.8	< 60.8				---	---
04/01/00	Environmental Resolutions Inc., assumed operation of the system.																		
06/28/00	System upgrades completed, system restarted.																		
	A-INF	12,008	7	—		26	---	---	770.0										
	A-INT								18.1										
	A-EFF								13.3										
	System shutdown for carbon changeout, 2 x 500-pounds.																		
07/11/00	System down upon arrival, restart.																		
	A-INF	12,011	3	86		8	4,000	83	207.0	51		< 1.0	0.16	< 61.0			0.00	0.0	
	A-INT								9.1	< 10		< 1.0							
	A-EFF								0.0	< 10		< 1.0							< 0.01
07/20/00	System running upon arrival (VES only). System running on departure.																		
	A-INF	12,226	215	78		9	4,500	95	42.3										
	A-INT								2.4										
	A-EFF								0.0										
07/31/00	System down on departure for carbon changeout (2x500 lb).																		
	A-INF	12,493	267	87		9	4,500	93	266.0										
	A-INT								73.0										
	A-EFF								41.2										
08/10/00	System down upon arrival for carbon changeout. System running on departure.																		
	A-INF	12,733	0	80		30	800	16	53.5	43		< 1	6.27	< 67.2			< 0.13	< 0.14	
	A-INT								0.0	< 10		< 1							
	A-EFF								0.0	< 10		< 1							< 0.001
08/16/00	A-INF	12,874	141	84		31.5	250	5	164.1										
	A-INT								0.0										
	A-EFF								0.0										

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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

		FIELD MEASUREMENTS								Analytical Laboratory Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
Date	Sample ID	Hour Meter	Hours of Operation	Temp EFF F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
08/24/00	System down on departure for carbon changeout.																		
	A-INF	13,065	191	76		20	2,400	49	294.0										
	A-INT								23.7										
	A-EFF								2.4										
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										

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

		FIELD MEASUREMENTS								Analytical Laboratory Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
Date	Sample ID	Hour Meter	Hours of Operation	Temp EFF F	Pressure in H_2O	Vacuum in H_2O	Flow cfm	Flow scfm	PID ppmv	TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
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										
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

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Sample ID	FIELD MEASUREMENTS								Analytical Laboratory Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
		Hour Meter	Hours of Operation	Temp F	EFF Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^2	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
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
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										

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California
(Page 5 of 12)

Date	Sample ID	FIELD MEASUREMENTS								Analytical Laboratory Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
		Hour Meter	Hours of Operation	Temp EFF F	Pressure In H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
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
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 down 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

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Alameda, California

		FIELD MEASUREMENTS								Analytical Laboratory Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
Date	Sample ID	Hour Meter	Hours of Operation	Temp EFF F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
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
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										

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SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

		FIELD MEASUREMENTS								Analytical Laboratory Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
Date	Sample ID	Hour Meter	Hours of Operation	Temp EFF F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
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	< 7.16	
	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										
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										

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Sample ID	FIELD MEASUREMENTS: Hour Meter	Hours of Operation	Temp EFF F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	Analytical Laboratory Results: TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	TPHg Removal: Per Period Pounds	TPHg Removal: Cumulative Pounds	MTBE Removal: Per Period Pounds	MTBE Removal: Cumulative Pounds	Benzene Removal: Per Period Pounds	Benzene Removal: Cumulative Pounds	Benzene Emission Rate lbs/day
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

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Sample ID	FIELD MEASUREMENTS Hour Meter	Hours of Operation	Temp EFF F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	Analytical Laboratory Results TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	TPHg Removal Per Period Pounds	TPHg Removal Cumulative Pounds	MTBE Removal Per Period Pounds	MTBE Removal Cumulative Pounds	Benzene Removal Per Period Pounds	Benzene Removal Cumulative Pounds	Benzene Emission Rate lbs/day
03/26/03	System running upon arrival and departure.																		
03/26/03	A-INF	27,555	337	116	---	40	2,700	54	12.4										
	A-INT								2.5										
	A-EFF								0.1										
04/09/03	System running upon arrival and departure.																		
04/09/03	A-INF	27,889	334	120	---	40	2,800	56	36.0	57		0.36	7.83	< 889.7			0.08	< 9.62	
	A-INT								2.4	< 10		< 0.10							
	A-EFF								1.0	< 10		< 0.10							< 0.001
04/23/03	System running upon arrival and departure.																		
04/23/03	A-INF	28,227	338	113	---	39	2,400	48	54.7										
	A-INT								4.0										
	A-EFF								3.7										
05/07/03	System running upon arrival and departure.																		
05/07/03	A-INF	28,563	336	118	---	40	2,500	50	8.5	14		0.34	4.73	< 894.5			0.05	< 9.67	
	A-INT								1.8	< 10		< 0.10							
	A-EFF								2.2	< 10		< 0.10							< 0.000
05/21/03	System running upon arrival and departure.																		
05/21/03	A-INF	28,900	337	127	---	38	2,750	54	15.8										
	A-INT								2.4										
	A-EFF								1.3										
06/04/03	System running on arrival, down on departure for carbon c/o																		
	A-INF	29,234	334	121	---	39	2,900	58	81.2										
	A-INT								90.7										
	A-EFF								70.2										
06/18/03	System down on arrival for c/o, running on departure. Samples taken.																		
	A-INF	29,237	3	120	---	39	2,800	56	120.0	790		12	53.58	< 948.0			0.82	< 10.49	
	A-INT								0.1	< 10		0.13							
	A-EFF								0.1	< 10		< 0.10							< 0.001
07/02/03	System running on arrival and departure.																		
	A-INF	29,576	339	120	---	38	3,200	64	91.0	70		1.1	32.58	< 980.6			0.50	< 10.99	
	A-INT								0.0	< 10		< 0.10							
	A-EFF								0.1	< 10		< 0.10							< 0.001
07/16/03	System running on arrival and departure.																		
	A-INF	29,910	334	129	---	39	3,150	62	95.0										
	A-INT								6.6										
	A-EFF								2.5										

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

		FIELD MEASUREMENTS								Analytical Laboratory Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
Date	Sample ID	Hour Meter	Hours of Operation	Temp EFF F	Pressure In H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	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										

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Sample ID	FIELD MEASUREMENTS: Hour Meter	Hours of Operation	Temp EFF F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	Analytical Laboratory Results: TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	TPHg Removal: Per Period Pounds	TPHg Removal: Cumulative Pounds	MTBE Removal: Per Period Pounds	MTBE Removal: Cumulative Pounds	Benzene Removal: Per Period Pounds	Benzene Removal: Cumulative Pounds	Benzene Emission Rate lbs/day
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
12/15/03	System running on arrival and departure.																		
	A-INF	32,600	337	102	10	32	3,400	70	53.0										
	A-INT								7.0										
	A-EFF								2.7										
12/29/03	System running on arrival and departure.																		
	A-INF	32,932	332	94	9.5	34	3,400	71	46.9										
	A-INT								0.0										
	A-EFF								0.0										
01/12/04	System down on arrival, GRS transfer pump failure. System down for knockout drum replacement.																		
01/26/04	System down on arrival and departure, blower not starting (needs troubleshooting).																		
02/09/04	System down on arrival and departure, blower not starting (needs troubleshooting).																		
	System retrofit complete, commencing startup with new blower and new BAAQMD conditions.																		
06/27/05	Retrofitted system startup.																		
06/27/05	A-INF	33,268	336	72	1	136.1	3,900	85	185.6	124	8.63	11.30	19.97	< 1,042.3	0.00	0.0	1.58	< 13.39	
	A-INT								0.0	< 10.2	< 0.508	< 0.508							
	A-EFF								0.6	< 10.2	< 0.508	< 0.508							< 0.0039
06/28/05	A-INF	33,269	1	72	2	88.5	3,400	74	34.1										
	A-INT								0.0										
	A-EFF								0.0										
06/29/05	Shut down system on departure for bi-weekly visitation request with the BAAQMD.																		
06/29/05	A-INF	33,289	20	72	1	74.9	2,800	61	711.0										
	A-INT								0.0										
	A-EFF								0.0										
07/01/05	SVE system down awaiting AQMD permit modification.																		
07/08/05	Restart system with bi-weekly visitation frequency (BAAQMD)																		
07/08/05	A-INF	33,291	2	70	2	95.3	3,000	65	571.0										
	A-INT								0.0										
	A-EFF								4.7										
07/11/05	Shut down system on departure for vapor phase carbon changeout 3@500lbs.																		
07/11/05	A-INF	33,362	71	79	1	68.1	4,000	86	1683.0										
	A-INT								196.0										
	A-EFF								224.0										

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Sample ID	Hour Meter	Hours of Operation	Temp EFF F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	TPHg mg/m^3	MTBE mg/m^3	Benzene mg/m^3	TPHg Removal Per Period Pounds	TPHg Removal Cumulative Pounds	MTBE Removal Per Period Pounds	MTBE Removal Cumulative Pounds	Benzene Removal Per Period Pounds	Benzene Removal Cumulative Pounds	Benzene Emission Rate lbs/day
					FIELD MEASUREMENTS					Analytical Laboratory Results									
07/15/05	Restarted system post VPC changeout. Added one more 500lb vessel in series, three total before discharge to atmosphere.																		
07/15/05	A-INF	33,363	1	78	2	108.9	3,000	64	440.0										
	A-INT1								0.0										
	A-INT2								0.0										
	A-EFF								0.0										
07/22/05	A-INF	33,363	0	78	2	108.9	3,000	64	440.0	799	71.8	72.70	12.23	< 1,054.6	1.07	1.07	1.11	< 14.50	
	A-INT1								0.0	20.2	4.87	2.03							
	A-INT2								—	---	—	---							0.0035
	A-EFF								0.0	< 10.2	< 0.508	0.609							
07/24/05	Responding to auto dialer callout. Shut down SVE and GRS, arranging for LPC changeout (clogged) 3@ 500lbs.																		
07/24/05		33,462	99	80	2	108.9	2,600	56											

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 1st carbon vessel.
A-INT2 = 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^3 = Milligrams per cubic meter.
--- = Not sampled/Not measured.

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

ATTACHMENT A

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY RECORD

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

4/20/05

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0104
Project Number: 2506 11X.
Laboratory Project Number: 412309.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
W-INF	05-A50803	4/ 8/05
W-INT 1	05-A50804	4/ 8/05
W-INT 2	05-A50805	4/ 8/05
W-PSP-1(EFF)	05-A50806	4/ 8/05

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Gail A Lage Report Date: 4/20/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manage
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A50803
Sample ID: W-INF
Sample Type: Water
Site ID: 7-0104

Project: 2506 11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Date Collected: 4/ 8/05
Time Collected: 14:30
Date Received: 4/12/05
Time Received: 8:30

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	4/13/05	19:07	F.Gundi	8021B	7968
**Ethylbenzene	ND	ug/l	0.5	1.0	4/13/05	19:07	F.Gundi	8021B	7968
**Toluene	ND	ug/l	0.5	1.0	4/13/05	19:07	F.Gundi	8021B	7968
**Xylenes (Total)	ND	ug/l	0.5	1.0	4/13/05	19:07	F.Gundi	8021B	7968
**Methyl-t-butylether	748.	ug/l	5.0	10.0	4/19/05	13:29	D. Otero	8021B	1983
**TPH (Gasoline Range)	600.	ug/l	50.0	1.0	4/13/05	19:07	F.Gundi	8015B	7968

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	88.	63. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2506 11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Lab Number: 05-A50804
Sample ID: W-INT 1
Sample Type: Water
Site ID: 7-0104

Date Collected: 4/ 8/05
Time Collected: 14:20
Date Received: 4/12/05
Time Received: 8:30

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	4/13/05	19:32	F.Gundi	8021B	7968
**Ethylbenzene	ND	ug/l	0.5	1.0	4/13/05	19:32	F.Gundi	8021B	7968
**Toluene	ND	ug/l	0.5	1.0	4/13/05	19:32	F.Gundi	8021B	7968
**Xylenes (Total)	ND	ug/l	0.5	1.0	4/13/05	19:32	F.Gundi	8021B	7968
**Methyl-t-butylether	2.9	ug/l	0.5	1.0	4/19/05	14:00	D. Otero	8021B	1983
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	4/13/05	19:32	F.Gundi	8015B	7968

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	86.	63. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2506 11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Lab Number: 05-A50805
Sample ID: W-INT 2
Sample Type: Water
Site ID: 7-0104

Date Collected: 4/ 8/05
Time Collected: 14:10
Date Received: 4/12/05
Time Received: 8:30

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	4/13/05	19:57	F.Gundi	8021B	7968
**Ethylbenzene	ND	ug/l	0.5	1.0	4/13/05	19:57	F.Gundi	8021B	7968
**Toluene	ND	ug/l	0.5	1.0	4/13/05	19:57	F.Gundi	8021B	7968
**Xylenes (Total)	ND	ug/l	0.5	1.0	4/13/05	19:57	F.Gundi	8021B	7968
**Methyl-t-butylether	ND	ug/l	0.5	1.0	4/13/05	19:57	F.Gundi	8021B	7968
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	4/13/05	19:57	F.Gundi	8015B	7968

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	89.	63. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2506 11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Lab Number: 05-A50806
Sample ID: W-PSP-1(EFF)
Sample Type: Water
Site ID: 7-0104

Date Collected: 4/ 8/05
Time Collected: 14:00
Date Received: 4/12/05
Time Received: 8:30

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	4/13/05	20:21	F.Gundi	8021B	7968
**Ethylbenzene	ND	ug/l	0.5	1.0	4/13/05	20:21	F.Gundi	8021B	7968
**Toluene	ND	ug/l	0.5	1.0	4/13/05	20:21	F.Gundi	8021B	7968
**Xylenes (Total)	ND	ug/l	0.5	1.0	4/13/05	20:21	F.Gundi	8021B	7968
**Methyl-t-butylether	ND	ug/l	0.5	1.0	4/13/05	20:21	F.Gundi	8021B	7968
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	4/13/05	20:21	F.Gundi	8015B	7968

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	91.	63. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: 2506 11X
Project Name: EXXONMOBIL 7-0104
Page: 1
Laboratory Receipt Date: 4/12/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.00050	0.0532	0.0500	106	50. - 160.	7968	05-A50803
Toluene	mg/l	< 0.0005	0.0514	0.0500	103	51. - 157.	7968	05-A50803
Ethylbenzene	mg/l	< 0.0005	0.0539	0.0500	108	47. - 159.	7968	05-A50803
Xylenes (Total)	mg/l	< 0.0005	0.103	0.100	103	51. - 152.	7968	05-A50803
TPH (Gasoline Range)	mg/l	0.600	1.04	1.00	44	43. - 150.	7968	05-A50803
BTEX/GRO Surr., a,a,a-TFT	% Recovery				96	63 - 134	7968	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0532	0.0537	0.94	30.	7968
Toluene	mg/l	0.0514	0.0515	0.19	37.	7968
Ethylbenzene	mg/l	0.0539	0.0540	0.19	38.	7968
Xylenes (Total)	mg/l	0.103	0.103	0.00	33.	7968
TPH (Gasoline Range)	mg/l	1.04	0.879	16.78	27.	7968
BTEX/GRO Surr., a,a,a-TFT	% Recovery		96.			7968

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.101	101	72 - 118	7968
Toluene	mg/l	0.100	0.0979	98	72 - 119	7968
Ethylbenzene	mg/l	0.100	0.103	103	71 - 119	7968

Project QC continued . . .

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ANALYTICAL TESTING CORPORATION
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800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: 2506 11X
Project Name: EXXONMOBIL 7-0104

Laboratory Receipt Date: 4/12/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Xylenes (Total)	mg/l	0.300	0.285	95	70 - 117	7968
Methyl-t-butylether	mg/l	0.100	0.0952	95	57 - 127	7968
Methyl-t-butylether	mg/l	0.100	0.113	113	57 - 127	1983
TPH (Gasoline Range)	mg/l	1.00	1.04	104	64 - 130	7968
BTEX/GRO Surr., a,a,a-TFT	% Recovery			98	63 - 134	7968
BTEX/GRO Surr., a,a,a-TFT	% Recovery			91	63 - 134	1983

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00050	mg/l	7968	4/13/05	18:18
Toluene	< 0.0005	mg/l	7968	4/13/05	18:18
Ethylbenzene	< 0.0005	mg/l	7968	4/13/05	18:18
Xylenes (Total)	< 0.0005	mg/l	7968	4/13/05	18:18
Methyl-t-butylether	< 0.0005	mg/l	7968	4/13/05	18:18
Methyl-t-butylether	< 0.0002	mg/l	1983	4/19/05	12:54
TPH (Gasoline Range)	< 0.0500	mg/l	7968	4/13/05	18:18
BTEX/GRO Surr., a,a,a-TFT	89.	% Recovery	7968	4/13/05	18:18
BTEX/GRO Surr., a,a,a-TFT	84.	% Recovery	1983	4/19/05	12:54

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 412309

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville Division

412309

COOLER RECEIPT FORM BC#

Client Name : ERI, Inc.

Cooler Received/Opened On: 4/12/05 Accessioned By: Shawn Gracey

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 4.2 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many, and where:
3. Were custody seals on containers?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
    If not, record standard ID of preservative used here
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

8452

~~Fed-Ex~~ UPS Velocity DHL Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:

CHAIN OF CUSTODY RECORD

412309

Page 1 of 1

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 610 North McDowell
City/State/Zip: Petaluma, CA 94954
Project Manager James Chappell
Telephone Number: 707-766-2000
ERI Job Number: 2506 11X
Sampler Name: (Print) Jon Herrmann
Sampler Signature: Jon Herrmann

ExxonMobil Engineer Jennifer Sedlachek
Telephone Number 510-547-8196
Account #:
PO #: 4505890963
Facility ID # 7-0104
Global ID#
Site Address 1725 Park Street
City, State Zip Alameda, California

TAT
- ☐ 24 hour
- ☐ 72 hour
- ☐ 48 hour
- ☐ 96 hour
- ☑ 8 day

PROVIDE:
- EDF Report
- FAX Results

Special Instructions:

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHg 8015B	BTEX	MTBE 8020									
W-INF	4/8/05	1430		X	HCl	4 voa	X			X	X	X						5080	3		
W-INT 1	4/8/05	1420		X	HCl	4 voa	X			X	X	X							4		
W-INT 2	4/8/05	1410		X	HCl	4 voa	X			X	X	X							5		
W-PSP-1 (EFF)	4/8/05	1400		X	HCl	4 voa	X			X	X	X						5080	6		

Relinquished by: Jon Herrmann Date 4/11/05 Time 900 Received by: Time

Relinquished by: Date Time Received by TestAmerica: 4/12/05 Time 1030

Laboratory Comments:
Temperature Upon Receipt: 4.2
Sample Containers Intact? Y
VOAs Free of Headspace? Y

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0960 • 615-726-3404 Fax

6/30/05

ERI - NORTHERN CA 10228
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0104
Project Number: 2506-11X.
Laboratory Project Number: 421148.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
A-INF	05-A93656	6/27/05
A-INT	05-A93657	6/27/05
A-EFF	05-A93658	6/27/05

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Roxanne L Connor Report Date: 6/30/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manage
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A93656
Sample ID: A-INF
Sample Type: Air bag
Site ID: 7-0104

Project: 2506-11X
Project Name: EXXONMOBIL 7-0104
Sampler: COREY WEIAND

Date Collected: 6/27/05
Time Collected:
Date Received: 6/29/05
Time Received: 7:45

Analyte	Result mg/m3	Result PPMV	Dilution Factor	Analysis Date	Time	Analyst	Method
Toluene	4.37	1.14	1.	6/29/05	14:14	C.Johnson	EPA- 18M
Benzene	11.3	3.48	1.	6/29/05	14:14	C.Johnson	EPA- 18M
Ethyl benzene	2.03	0.460	1.	6/29/05	14:14	C.Johnson	EPA- 18M
Xylene	6.60	1.49	1.	6/29/05	14:14	C.Johnson	EPA- 18M
Methyl-t-butyl ether	8.63	2.35	1.	6/29/05	14:14	C.Johnson	EPA- 18M
TRPH Lo >C4-C10	124.	29.8	1.	6/29/05	14:14	C.Johnson	EPA-18M

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A93657
Sample ID: A-INT
Sample Type: Air bag
Site ID: 7-0104

Project: 2506-11X
Project Name: EXXONMOBIL 7-0104
Sampler: COREY WEIAND

Date Collected: 6/27/05
Time Collected:
Date Received: 6/29/05
Time Received: 7:45

Analyte	Result mg/m3	Result PPMV	Dilution Factor	Analysis Date	Time	Analyst	Method
Toluene	< 0.508	< 0.133	1.	6/29/05	14:44	C.Johnson	EPA- 18M
Benzene	< 0.508	< 0.156	1.	6/29/05	14:44	C.Johnson	EPA- 18M
Ethyl benzene	< 0.508	< 0.115	1.	6/29/05	14:44	C.Johnson	EPA- 18M
Xylene	< 1.52	< 0.344	1.	6/29/05	14:44	C.Johnson	EPA- 18M
Methyl-t-butyl ether	< 0.508	< 0.139	1.	6/29/05	14:44	C.Johnson	EPA- 18M
TRPH Lo >C4-C10	< 10.2	< 2.45	1.	6/29/05	14:44	C.Johnson	EPA-18M

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION
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800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A93658
Sample ID: A-EFF
Sample Type: Air bag
Site ID: 7-0104

Project: 2506-11X
Project Name: EXXONMOBIL 7-0104
Sampler: COREY WEIAND

Date Collected: 6/27/05
Time Collected:
Date Received: 6/29/05
Time Received: 7:45

Analyte	Result mg/m3	Result PPMV	Dilution Factor	Analysis Date	Time	Analyst	Method
Toluene	< 0.508	< 0.133	1.	6/29/05	15:13	C.Johnson	EPA- 18M
Benzene	< 0.508	< 0.156	1.	6/29/05	15:13	C.Johnson	EPA- 18M
Ethyl benzene	< 0.508	< 0.115	1.	6/29/05	15:13	C.Johnson	EPA- 18M
Xylene	< 1.52	< 0.344	1.	6/29/05	15:13	C.Johnson	EPA- 18M
Methyl-t-butyl ether	< 0.508	< 0.139	1.	6/29/05	15:13	C.Johnson	EPA- 18M
TRPH Lo >C4-C10	< 10.2	< 2.45	1.	6/29/05	15:13	C.Johnson	EPA-18M

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 2506-11X
Project Name: EXXONMOBIL 7-0104

Laboratory Receipt Date: 6/29/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
MISC PARAMETERS								
Toluene	mg/m3	65.1	81.6	19.0	87	70. - 130.	1179	05-A93121
Benzene	mg/m3	35.2	59.7	32.3	76	70. - 130.	1179	05-A93121
Xylene	mg/m3	120.	187.	132.	51#	70. - 130.	1179	05-A93121
Ethyl benzene	mg/m3	15.2	49.3	43.9	78	70. - 130.	1179	05-A93121
Methyl-t-butyl ether	mg/m3	46.9	73.3	36.4	73	70. - 130.	1179	05-A93121
TRPH Lo >C4-C10	mg/m3	730.	888.	417.	38#	70. - 130.	1179	05-A93121

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
MISC PARAMETERS						
Toluene	mg/m3	19.0	20.7	109	70 - 130	1179
Benzene	mg/m3	16.1	17.7	110	70 - 130	1179
Xylene	mg/m3	65.8	69.8	106	70 - 130	1179
Ethyl benzene	mg/m3	21.9	23.4	107	70 - 130	1179
Methyl-t-butyl ether	mg/m3	18.2	20.3	112	70 - 130	1179
TRPH Lo >C4-C10	mg/m3	209.	218.	104	70 - 130	1179

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 2506-11X
Project Name: EXXONMOBIL 7-0104
Page: 2
Laboratory Receipt Date: 6/29/05

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Toluene	mg/m3	65.1	64.1	1.55	15.	1179	05-A93121
Benzene	mg/m3	35.2	36.0	2.25	15.	1179	05-A93121
Xylene	mg/m3	120.	116.	3.39	15.	1179	05-A93121
Ethyl benzene	mg/m3	15.2	14.8	2.67	15.	1179	05-A93121
Methyl-t-butyl ether	mg/m3	46.9	47.5	1.27	15.	1179	05-A93121
TRPH Lo >C4-C10	mg/m3	730.	720.	1.38	15.	1179	05-A93121

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
MISC PARAMETERS					
Toluene	< 0.508	mg/m3	1179	6/29/05	12:18
Benzene	< 0.508	mg/m3	1179	6/29/05	12:18
Xylene	< 1.52	mg/m3	1179	6/29/05	12:18
Ethyl benzene	< 0.508	mg/m3	1179	6/29/05	12:18
Methyl-t-butyl ether	< 0.508	mg/m3	1179	6/29/05	12:18
TRPH Lo >C4-C10	< 10.2	mg/m3	1179	6/29/05	12:18

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 421148

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** 421148

Client Name : ERI

Cooler Received/Opened On: 6/29/05 **Accessioned By:** James D. Jacobs

Log-in Personnel Signature

1. Temperature of Cooler when triaged: N/A **Degrees Celsius**
2. Were custody seals on outside of cooler?..... YES...(NO)...NA
   a. If yes, how many and where:_____
3. Were custody seals on containers?..... (NO)...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES....NO...(NA)
5. Were custody papers inside cooler?..... (YES)....NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... (YES)....NO...NA
7. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert Ziplock baggies Paper Other (None)
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other (None)
10. Did all containers arrive in good condition (unbroken)?..... (YES)...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... (YES)...NO...NA
12. Did all container labels and tags agree with custody papers?..... (YES)...NO...NA
13. Were correct containers used for the analysis requested?..... (YES)...NO...NA
14. a. Were VOA vials received?..... YES...(NO)...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...(NA)
15. Was sufficient amount of sample sent in each container?..... (YES)...NO...NA
16. Were correct preservatives used?..... YES...NO...(NA)
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...(NA)
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

    1561

    (Fed-Ex) UPS Velocity DHL Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:

BIS = Broken in shipment
Cooler Receipt Form

CHAIN OF CUSTODY RECORD

Page ____ of ____

TestAmerica INCORPORATED
(615) 726-0177
421148
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell
City/State/Zip: Petaluma, CA 94954
Project Manager Paula Sime
Telephone Number: 707-766-2000
ERI Job Number: **2506-11X**
Sampler Name: (Print) Corey Weiland
Sampler Signature:

ExxonMobil Engineer Jennifer Sedlachek
Telephone Number 510-547-8196
Account #: 10228
PO #: 4505890963
Facility ID # 7-0104
Global ID#
Site Address 1725 Park Street
City, State Zip Alameda, California

TAT:
☒ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☐ 8 day

PROVIDE:
EDF Report
FAX Results

Special Instructions:
* Include MTBE
24 hr TAT

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: EPA 18*									
A-INF	6/21/05			X	NONE	1-1L			X		X			93656					
A-INT	6/27/05			X	NONE	1-1L			X		X			93657					
A-EFF	6/27/05			X	NONE	1-1L			X		X			93658					

Relinquished by: [signature] Date 6/28/05 Time 0730 Received by: Time

Relinquished by: Date Time Received by TestAmerica 6/29/05 Time 945

Laboratory Comments:
Temperature Upon Receipt: N/A
Sample Containers Intact? Yes
VOAs Free of Headspace?

GENERALIZED SITE PLAN

SCALE: 1/64" = 1'-0"

N

SHEET NOTES:

1. EW1 AND EW2 HAVE AN EXISTING 8" PVC CONDUIT CONNECTING TO AN EXISTING 10" PVC CONDUIT FROM THE COMPOUND.

SYMBOL LIST

- Existing Piping
- MW8 — Groundwater Monitoring Well
- EW4 — Recovery Well
- MW10 — Destroyed Groundwater Monitoring Well
- MW1 — Groundwater Monitoring Well By Others
- VW2 — Vapor Extraction Well
- AS1 — Air Sparge/Soil Vapor Well

CRITICAL SAFETY DEVICES

CSD6	HIGH LEVEL FLOAT: WELL BOX EW1 (SHUTS DOWN GRS)
CSD7	HIGH LEVEL FLOAT: WELL BOX EW2 (SHUTS DOWN GRS)
CSD8	HIGH LEVEL FLOAT: WELL BOX EW3 (SHUTS DOWN GRS)
CSD9	HIGH LEVEL FLOAT: WELL BOX EW4 (SHUTS DOWN GRS)
CSD10	HIGH LEVEL FLOAT: WELL BOX EW5 (SHUTS DOWN GRS)

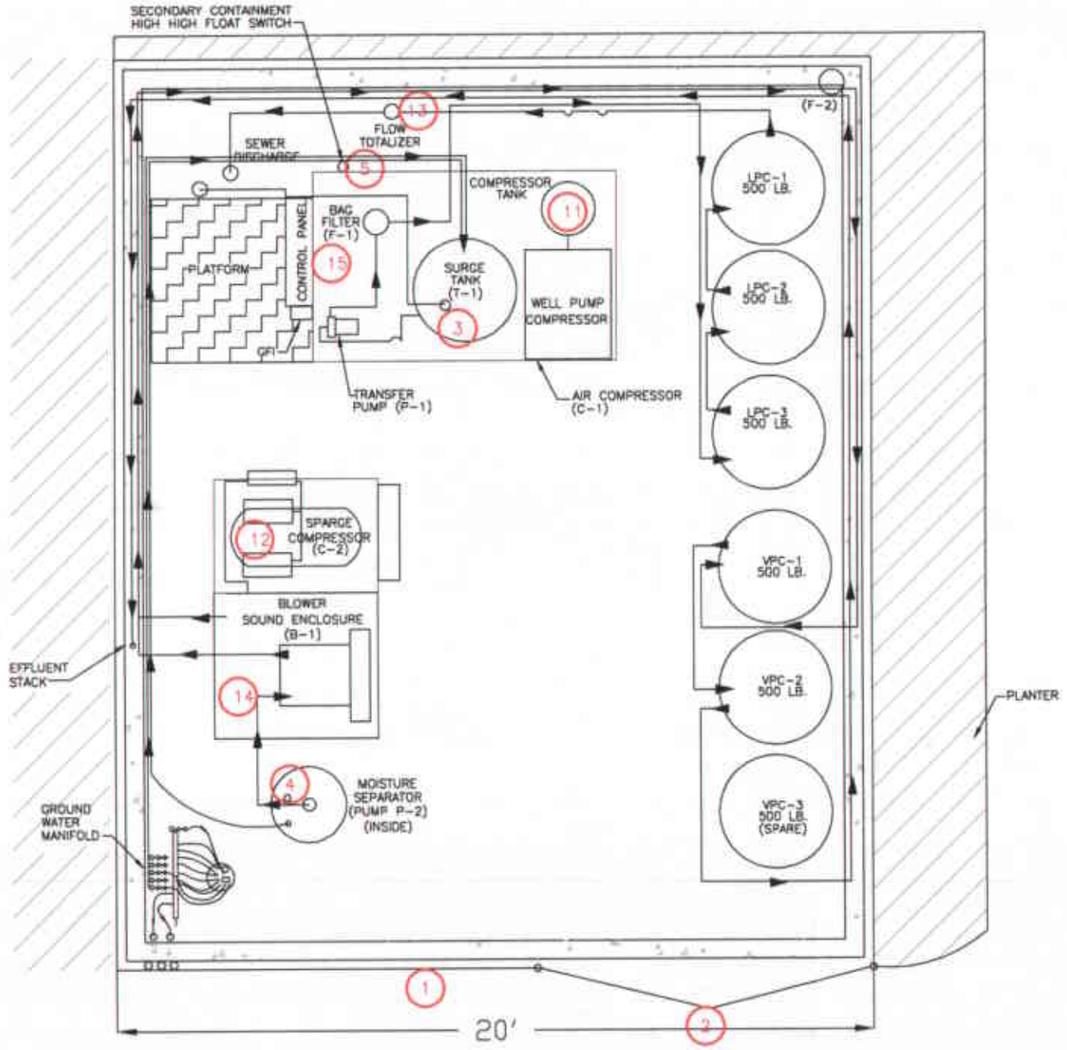
Plate No.	1
Project No.	2506
Date	4/1/05
Last Rev. Date	12/19/02
Plot Scale	AS NOTES
Drawn/Approved	MKB/DAK
DWG. #	2506 AS-BUILT

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

Drawing
GENERALIZED SITE PLAN

Diagram
GSP-1

ERI ENVIRONMENTAL RESOLUTIONS INC.



EQUIPMENT LAYOUT

SCALE: 1/4" = 1'-0"

SHEET NOTES:

CRITICAL SAFETY DEVICES

- CSD1 SIGNS (ERI, NO SMOKING, PROP 65)
- CSD2 LOCKS (GATE, ELECTRICAL PANEL)
- CSD3 HIGH LEVEL FLOAT: HOLDING TANK (SHUTS DOWN GRS)
- CSD4 HIGH LEVEL FLOAT: MOISTURE SEPARATOR (SHUTS DOWN AS/SVE SYSTEM)
- CSD5 HIGH LEVEL FLOAT: SECONDARY CONTAINMENT (SHUTS DOWN BOTH GRS & AS/SVE SYSTEMS)
- CSD6 HIGH LEVEL FLOAT: WELL BOX EW1 (NOT SHOWN) (SHUTS DOWN GRS)
- CSD7 HIGH LEVEL FLOAT: WELL BOX EW2 (NOT SHOWN) (SHUTS DOWN GRS)
- CSD8 HIGH LEVEL FLOAT: WELL BOX EW3 (NOT SHOWN) (SHUTS DOWN GRS)
- CSD9 HIGH LEVEL FLOAT: WELL BOX EW4 (NOT SHOWN) (SHUTS DOWN GRS)
- CSD10 HIGH LEVEL FLOAT: WELL BOX EW5 (NOT SHOWN) (SHUTS DOWN GRS)
- CSD11 PRESSURE RELIEF VALVE (WELL PUMPS) (OPENS UPON HIGH PRESSURE)
- CSD12 PRESSURE RELIEF VALVE (SPARGE) (OPENS UPON HIGH PRESSURE)
- CSD13 TOTALIZER (MONITORS EFFLUENT FLOW RATE/ TOTAL VOLUME TREATED)
- CSD14 VACUUM RELIEF VALVE (SVE BLOWER) (OPENS UPON HIGH VACUUM)
- CSD15 ELECTRICAL GROUND (GROUNDING ROD ON ELECTRIC PANEL, TERMINALS INSIDE PANEL)

EMERGENCY SHUT OFF

1. LOCATE THE BREAKER PANEL INSIDE THE SERVICE STATION. THE BREAKER PANEL IS LOCATED ALONG THE NORTHEASTERN CORNER OF THE STATION BUILDING, NEXT TO THE REAR DOOR LEADING TO THE REMEDIATION COMPOUND FENCE.
2. LOCATE THE MAIN DISCONNECT BREAKER FOR THE REMEDIATION COMPOUND INSIDE THE BREAKER PANEL AND TURN THE MAIN DISCONNECT TO THE "OFF" POSITION.
3. NOTIFY ERI @ (800)382-9105

Plate No.	2
Project No.	2506
Date	8/06/01
Last Rev. Date	8/08/01
Plot Scale	AS NOTED
Drawn/Approved	FV/DAK
DWG. #	2506 AS-BUILT

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

Drawing
EQUIPMENT LAYOUT DIAGRAM

Diagram
EQPT

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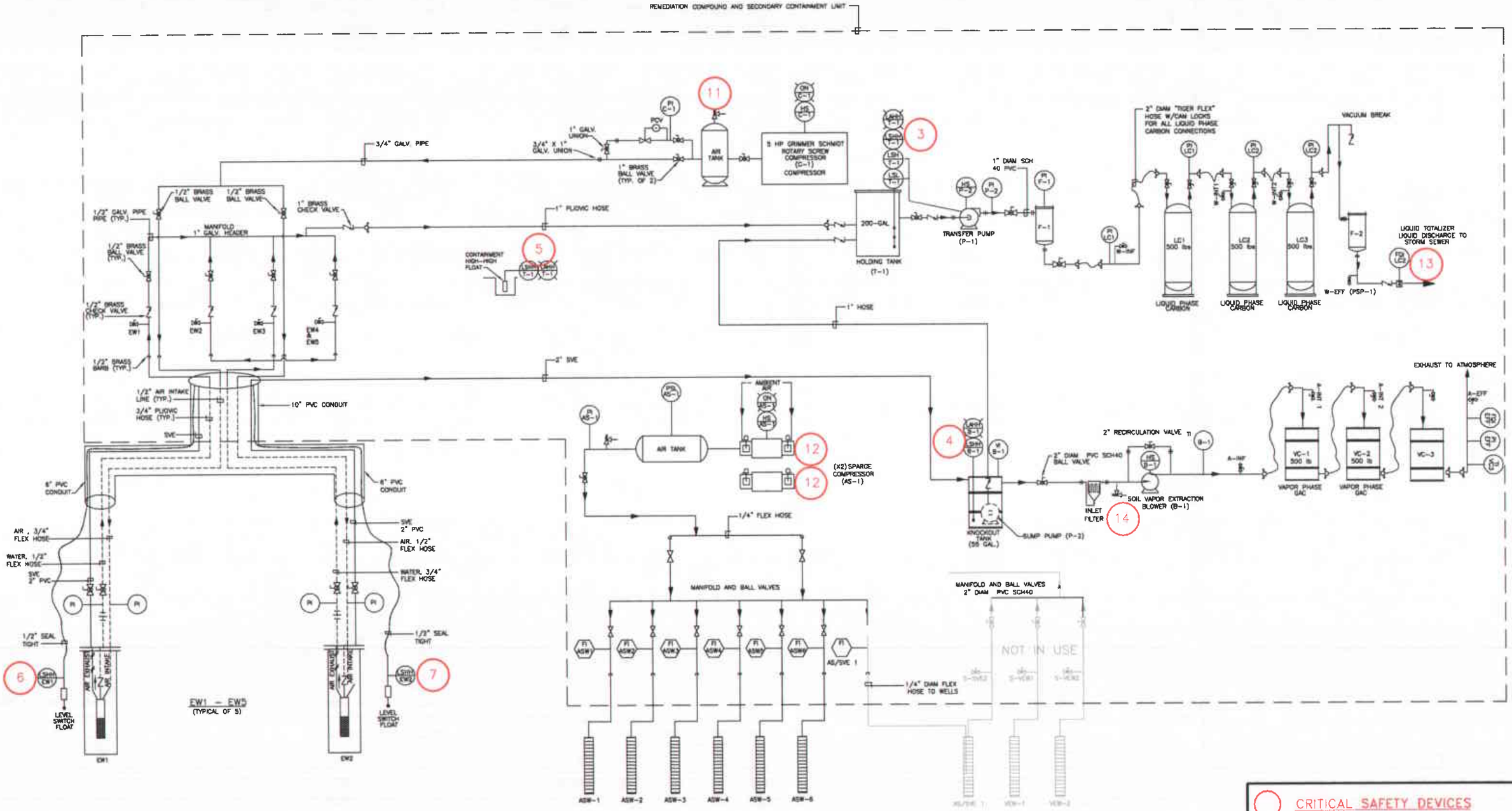

CRITICAL SAFETY DEVICES

REFER TO EQUIPMENT LAYOUT AND GENERAL SITE PLAN FOR CSD EXPLAINATIONS.

Plate No.	3
Project No.	2506
Date	8/07/01
Last Rev. Date	4/5/05
Plot Scale	NOT TO SCALE
Drawn/Approved	FV/DAK
DWG. #	2506 AS-BUILT

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

Drawing
AS-BUILT PROCESS AND INSTRUMENTATION DIAGRAM

Diagram
P&ID

ERI ENVIRONMENTAL RESOLUTIONS INC.