



Scott T. Hooton
Portfolio Manager

BP Exploration & Oil Inc.
295 SW 41st Street
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October 27, 2000

A BP Amoco Group Company

Alameda County Health Care Services Agency
Attention Mr. Scott Seery
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

RE: Former BP Oil Site No. 11105
3159 Castro Valley Boulevard (at Redwood)
Castro Valley, CA

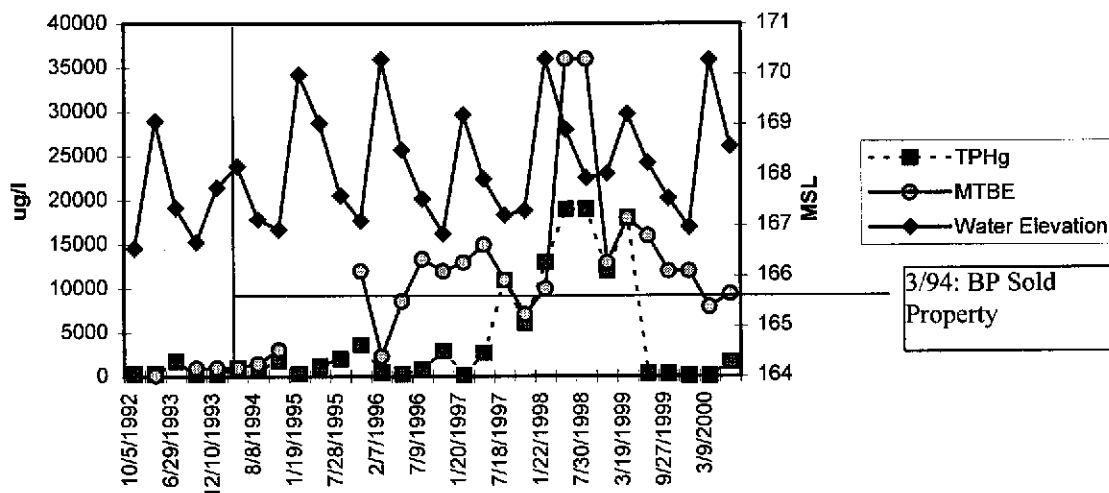
Dear Mr. Seery:

Enclosed find the 24 August 2000 *Third Quarter 2000 Groundwater Monitoring* report prepared by Blaine Tech Services on behalf of BP. The report summarizes groundwater monitoring data obtained since 1992, including the results for samples recently obtained on 18 September 2000.

It is noted that petroleum hydrocarbons were reported to be present in the soil and groundwater at this site at the time the property was sold during 1994. Concentrations detected since that time have increased and raise the concern that petroleum releases have occurred subsequent to BP's operation of the facility.

To illustrate the basis for BP's concern, water elevation data, together with MTBE and TPHg concentration data for well ESE-2 is depicted below.

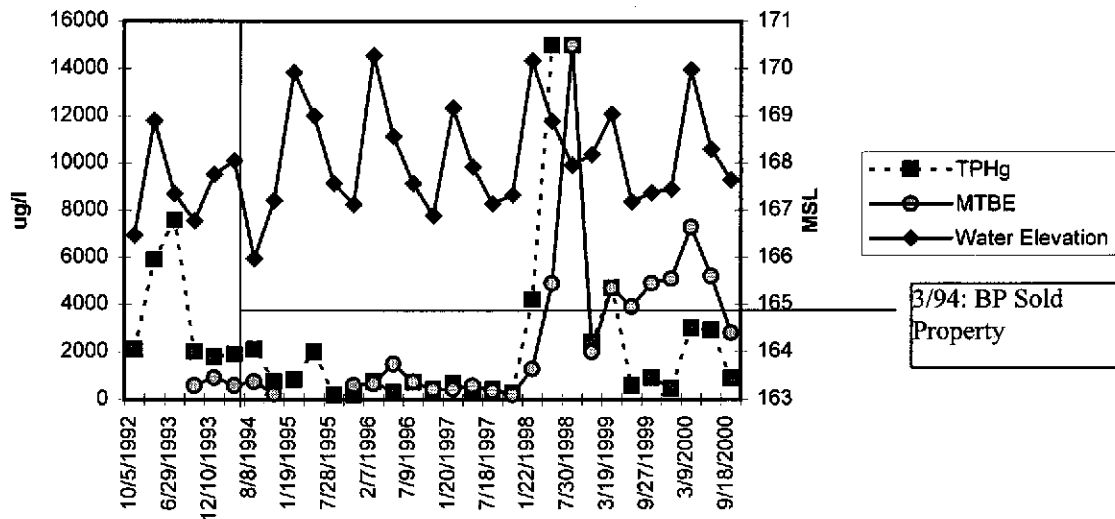
ESE-2 TPHg, MTBE & Water Elevation



DO NOT - 1 - NOV 00
ENVIRONMENTAL PROTECTION

ESE-2 was not sampled on 18 September 2000 as a car was parked over the well vault. MTBE was detected in samples obtained from the four wells sampled, with the highest concentrations associated with well ESE-1 (2800 ug/l). TPHg, MTBE, and water elevation data are shown below.

ESE-1 TPHg, MTBE & Water Elevation



In contrast to the ESE-1 and ESE-2 data, well ESE-5 shows decreasing TPHg concentrations. Well ESE-5 is located south of a former dispenser island, and west of Redwood Road and the XTRA retail gasoline outlet.

Please contact me at (425) 251-0689 if you have any questions or concerns regarding this submittal.

Sincerely,

Scott Hooton

attachment

cc: site file
A. Fagorala - RWQCB-SFBR
Mr. Azim Shakoori, Castro Valley Chevron, 3519 Castro Valley Boulevard, Castro Valley, CA 94546 (w/attachment)

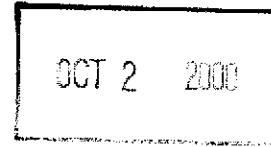
BLAINE
TECH SERVICES, INC.



1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
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October 24, 2000

Scott Hooton
BP Oil Company
295 SW 41st Street, Bldg. 13, Suite N
Renton, WA 98055-4931



BP OIL CO.
ENVIRONMENTAL DEPT.
TULSA REGION OFFICE

3rd Quarter 2000 Monitoring at 11105

Third Quarter 2000 Groundwater Monitoring at
BP Service Station Number 11105
3519 Castro Valley Blvd.
Castro Valley, CA

Monitoring Performed on **September 18, 2000**

Groundwater Sampling Report 000918-N-1

This report covers the routine monitoring of groundwater wells at this BP facility. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, the appropriate calculated purge volume, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to Seaport Petroleum Corporation for disposal.

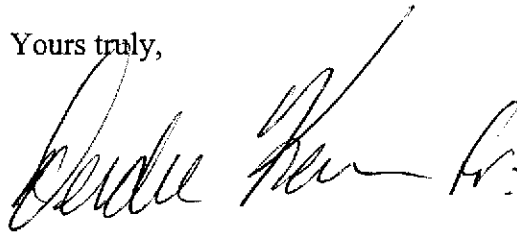
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater elevation calculations taken from the computer plotted gradient map, which is located in the **Professional Engineering Appendix**.

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

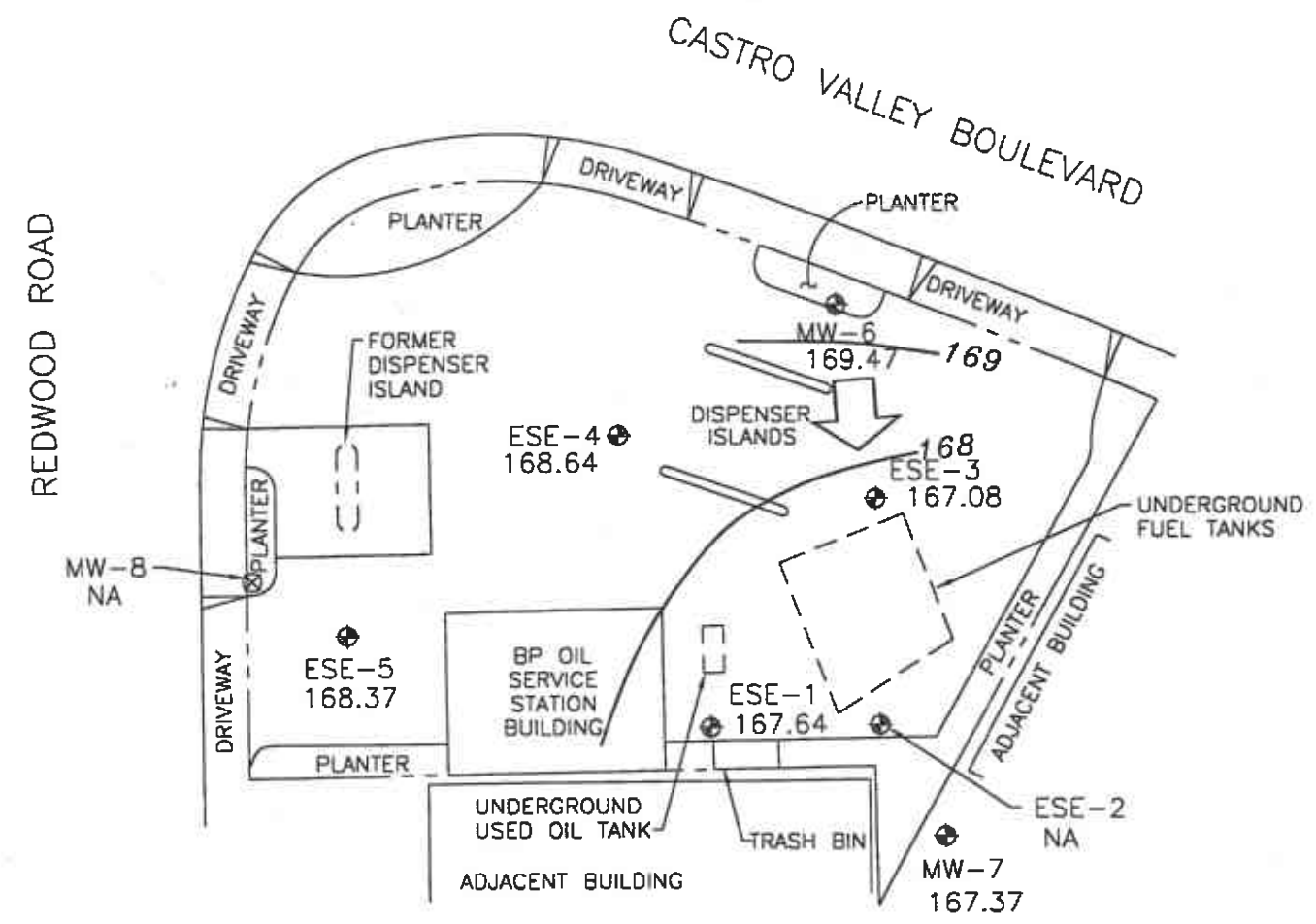
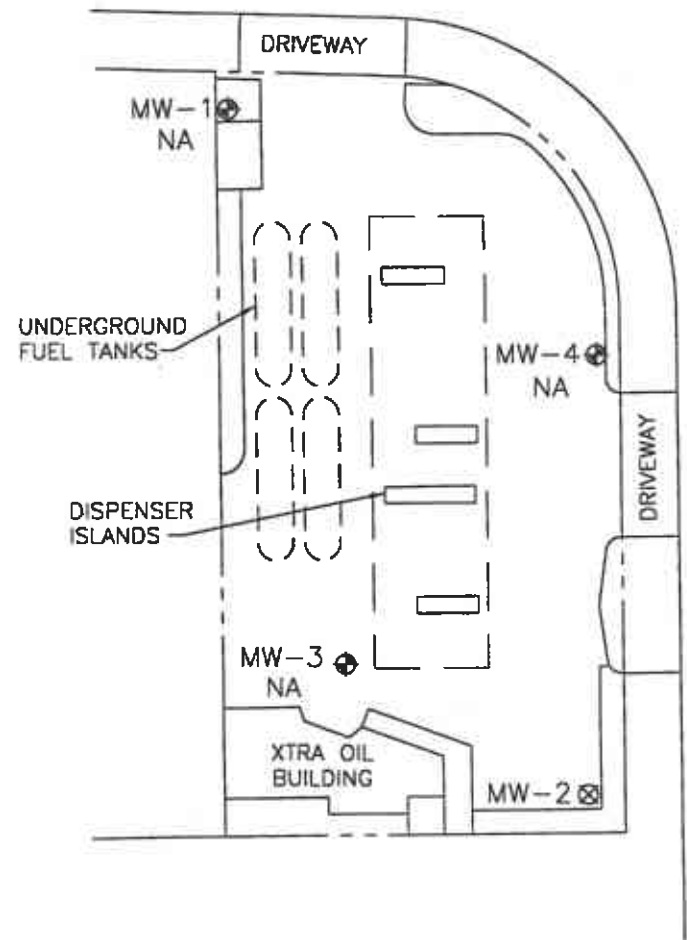
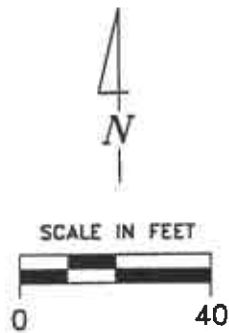
A handwritten signature in black ink, appearing to read "Francis Thie". The signature is fluid and cursive, with a large initial "F" and "T".

Francis Thie
Vice President

FPT/cm

attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Professional Engineering Appendix

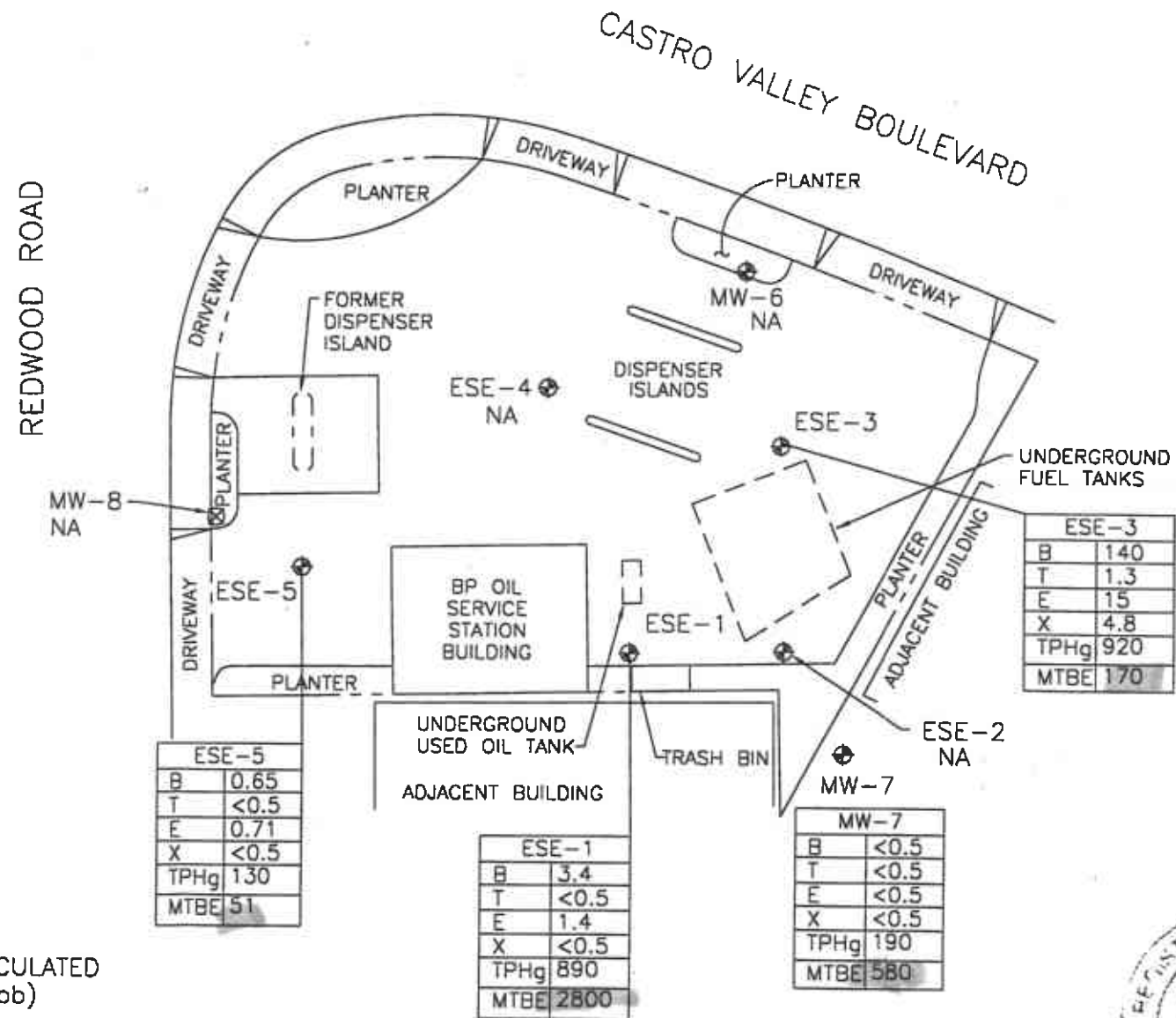
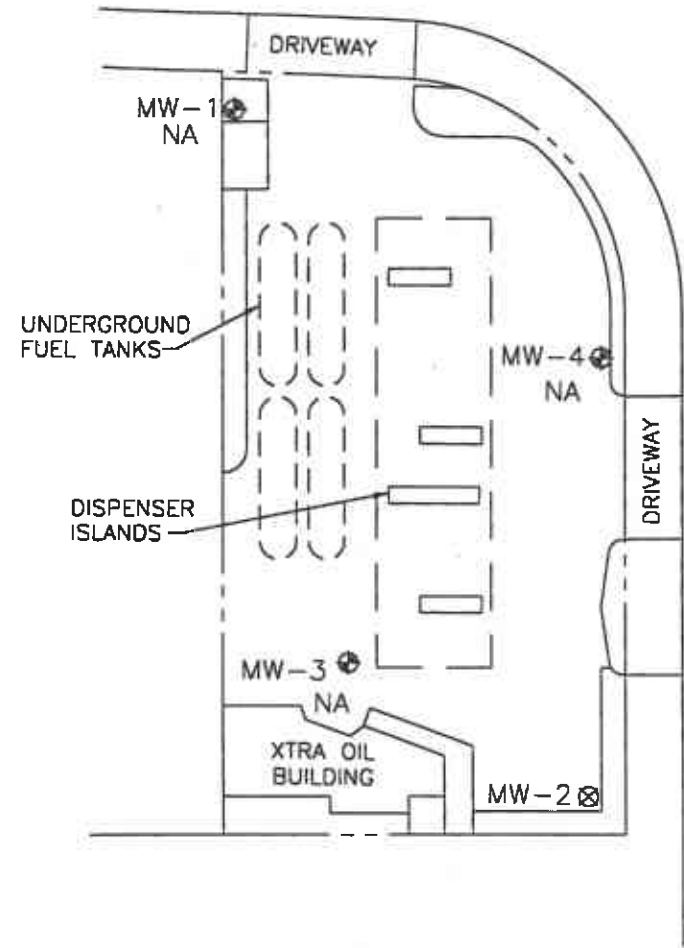
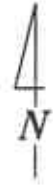


- EXPLANATION**
- ⊕ GROUNDWATER MONITORING WELL
 - ⊗ DESTROYED WELL
 - 167.37 GROUNDWATER ELEVATION (FT, MSL)
 - 169 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
 - NA DATA NOT AVAILABLE
 - ↘ APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.06



Ref. 11105sm1.dwg
Base map from Alisto Engineering Group

PREPARED BY RRM engineering contracting firm	GROUNDWATER ELEVATION CONTOUR MAP, SEPTEMBER 18, 2000	FIGURE: 1 PROJECT: DAC04
	BP Oil Service Station No. 11105 3519 Castro Valley Boulevard Castro Valley, California	



- EXPLANATION**
- ⊕ GROUNDWATER MONITORING WELL
 - ⊗ DESTROYED WELL
 - TPHg TOTAL PETROLEUM HYDROCARBON CALCULATED AS GASOLINE IN PARTS PER BILLION (ppb)
 - B BENZENE, ppb
 - T TOLUENE, ppb
 - E ETHYLBENZENE, ppb
 - X XYLENE, ppb
 - MTBE METHYL-TERT-BUTYL-ETHER, ppb
 - NA DATA NOT AVAILABLE



Ref. 11105btex.dwg
Base map from Alisto Engineering Group

PREPARED BY
RRM
engineering contracting firm

HYDROCARBON CONCENTRATION MAP,
SEPTEMBER 18, 2000
BP Oil Service Station No. 11105
3519 Castro Valley Boulevard
Castro Valley, California

FIGURE:
2
PROJECT:
DAC04

Table of Well Data and Analytical Results

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
ESE-1 (c)	10/05/92	177.69	11.22	166.47	2100	370	150	17	110	---	---	---
ESE-1D (d)	10/05/92	---	---	---	2300	370	160	16	110	---	---	---
ESE-1	04/01/93	177.69	8.79	168.90	5900	1500	410	110	390	---	---	PACE
ESE-1	06/29/93	177.69	10.34	167.35	7600	2900	390	130	460	---	---	PACE
ESE-1	09/23/93	177.69	10.91	166.78	2000	490	40	20	56	600	(e) ---	PACE
QC-1 (d)	09/23/93	---	---	---	1500	420	39	19	56	550	(e) ---	PACE
ESE-1	12/10/93	177.69	9.93	167.76	1800	480	42	19	66	921	(e) 3.2	PACE
QC-1 (d)	12/10/93	---	---	---	1500	380	38	17	55	770	(e) ---	PACE
ESE-1	02/17/94	177.69	9.64	168.05	1900	380	48	24	80	590	(e) ---	PACE
QC-1 (d)	02/17/94	---	---	---	2200	430	42	19	65	680	(e) ---	PACE
ESE-1	08/08/94	177.69	11.72	165.97	2100	450	46	16	50	760	(e) 5.1	PACE
ESE-1	10/12/94	177.69	10.48	167.21	760	240	16	51	39	230	(e) 3.5	PACE
ESE-1	01/19/95	177.69	7.77	169.92	840	600	120	22	58	---	8.0	ATI
ESE-1	05/02/95	177.69	8.69	169.00	2000	640	67	24	98	---	8.5	ATI
ESE-1	07/28/95	177.69	10.12	167.57	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	7.9	ATI
ESE-1	11/17/95	177.69	10.57	167.12	200	3.4	ND<1.0	1	ND<2.0	600	7.7	ATI
ESE-1	02/07/96	177.69	7.41	170.28	750	370	23	21	64	680	2.5	SPL
ESE-1	04/23/96	177.69	9.12	168.57	310	100	ND<1	ND<1	ND<1	1500	6.3	SPL
ESE-1	07/09/96	177.69	10.12	167.57	730	230	74	13	63	750	2.9	SPL
ESE-1	10/10/96	177.69	10.80	166.89	420	26	1.6	7.3	12	430	7.4	SPL
ESE-1	01/20/97	177.69	8.52	169.17	660	290	4.2	13	36	450	5.9	SPL
ESE-1	04/25/97	177.69	9.77	167.92	410	ND<0.5	ND<1.0	ND<1.0	ND<1.0	580	5.3	SPL
ESE-1	07/18/97	177.69	10.55	167.14	420	ND<0.5	ND<1.0	ND<1.0	ND<1.0	370	5.0	SPL
ESE-1	10/27/97	177.69	10.36	167.33	300	56	ND<1.0	6.5	ND<1.0	220	4.8	SPL
ESE-1	01/22/98	177.69	7.52	170.17	4200	440	9	15	17.7	1300	4.2	SPL
ESE-1	04/23/98	177.69	8.80	168.89	15000	3400	190	910	900	4900	4.2	SPL
QC-1	04/23/98	---	---	---	15000	2800	140	730	730	4400	---	SPL
ESE-1	07/29/98	177.69	9.73	167.96	---	---	---	---	---	---	---	---
ESE-1	07/30/98	---	---	---	15000	ND<2.5	ND<5.0	ND<5.0	ND<5.0	15000	4.0	SPL
ESE-1	12/17/98	177.69	9.51	168.18	2400	73	1.0	2.8	4.6	2000/2500*	---	SPL
ESE-1	03/19/99	177.69	8.65	169.04	4700	58	ND<1.0	ND>1.0	ND<1.0	4700	---	SPL
ESE-1	06/23/99	177.69	10.51	167.18	600	170	ND<1.0	7.2	5.0	3900	---	SPL
ESE-1	09/27/99	177.69	10.32	167.37	920	200	ND<25	ND<25	ND<25	4900	---	SPL
ESE-1	12/09/99	177.69	10.24	167.45	460	130	1.2	5.2	1.5	5100	---	PACE
ESE-1	03/09/00	177.69	7.72	169.97	3000	(j) 1300	120	80	140	7300	---	PACE
ESE-1	06/08/00	177.69	9.40	168.29	2900	540	9.7	20	17	5200	---	PACE
ESE-1	09/18/00	177.69	10.05	167.64	890	3.4	ND<0.5	1.4	ND<0.5	2800	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
ESE-2	10/05/92	178.23	11.68	166.55	300	5.4	16	3.9	45	---	---	---
ESE-2	04/01/93	178.23	9.17	169.06	240	27	ND<0.5	17	2.6	123	(e) ---	PACE
ESE-2	06/29/93	178.23	10.88	167.35	1700	260	24	110	23	---	---	PACE
QC-1 (d)	06/29/93	---	---	---	1300	240	17	110	25	---	---	PACE
ESE-2	09/23/93	178.23	11.56	166.67	240	3.1	0.5	0.6	2.5	900	(e) ---	PACE
ESE-2	12/10/93	178.23	10.48	167.75	250	2.4	2.4	1.5	11	940	(e) 2.6	PACE
ESE-2	02/17/94	178.23	10.06	168.17	900	ND<0.5	ND<0.5	ND<0.5	ND<0.5	930	(e) ---	PACE
ESE-2	08/08/94	178.23	11.11	167.12	750	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1400	(e) 5.1	PACE
ESE-2	10/12/94	178.23	11.31	166.92	1700	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3000	(e) 3.6	PACE
ESE-2	01/19/95	178.23	8.25	169.98	300	2	0.9	0.7	1	---	8.1	ATI
ESE-2	05/02/95	178.23	9.21	169.02	1200	4	ND<2.5	ND<2.5	ND<5.0	---	8.4	ATI
ESE-2	07/28/95	178.23	10.64	167.59	2000	ND<2.5	ND<2.5	ND<2.5	ND<5.0	---	7.7	ATI
ESE-2	11/17/95	178.23	11.13	167.10	3600	ND<25	ND<25	ND<25	ND<50	12000	7.4	ATI
QC-1 (d)	11/17/95	---	---	---	3400	ND<25	ND<25	ND<25	ND<50	12000	---	ATI
ESE-2	02/07/96	178.23	7.94	170.29	450	ND<0.5	ND<1	ND<1	ND<1	2300	1.8	SPL
ESE-2	04/23/96	178.23	9.73	168.50	260	0.9	ND<1	ND<1	ND<1	8600	7.2	SPL
ESE-2	07/09/96	178.23	10.70	167.53	780	ND<2.5	ND<5	ND<5	ND<5	13393	3.0	SPL
ESE-2	10/10/96	178.23	11.39	166.84	2900	ND<0.5	ND<1.0	ND<1.0	ND<1.0	12000	7.0	SPL
ESE-2	01/20/97	178.23	9.04	169.19	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	13000	6.2	SPL
ESE-2	04/25/97	178.23	10.31	167.92	2700	ND<0.5	ND<1.0	ND<1.0	ND<1.0	15000	5.9	SPL
ESE-2	07/18/97	178.23	11.02	167.21	11000	ND<5	ND<10	ND<10	ND<10	11000	5.0	SPL
ESE-2	10/27/97	178.23	10.93	167.30	6100	ND<2.5	ND<5.0	ND<5.0	ND<5.0	7100	4.8	SPL
QC-1 (d)	10/27/97	---	---	---	6600	ND<2.5	ND<5.0	ND<5.0	ND<5.0	7400	---	SPL
ESE-2	01/22/98	178.23	7.93	170.30	13000	ND<0.5	ND<1.0	ND<1.0	ND<1.0	10000	4.6	SPL
QC-1 (d)	01/22/98	---	---	---	13000	ND<0.5	ND<1.0	ND<1.0	ND<1.0	10000	---	SPL
ESE-2	04/23/98	178.23	9.34	168.89	19000	ND<5	ND<10	ND<10	ND<10	36000	4.2	SPL
ESE-2	07/29/98	178.23	10.29	167.94	---	---	---	---	---	---	---	---
ESE-2	07/30/98	---	---	---	19000	ND<5	ND<10	ND<10	ND<10	36000	4.2	SPL
ESE-2	12/17/98	178.23	10.20	168.03	12000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	13000/17000*	---	SPL
ESE-2	03/19/99	178.23	9.02	169.21	18000	160	ND<1.0	ND<1.0	ND<1.0	18000	---	SPL
ESE-2	06/23/99	178.23	9.99	168.24	280	ND<1.0	ND<1.0	ND<1.0	ND<1.0	16000	---	SPL
ESE-2	09/27/99	178.23	10.69	167.54	ND<500	ND<25	ND<25	ND<25	ND<25	12000	---	SPL
ESE-2	12/09/99	178.23	11.26	166.97	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	12000	---	PACE
ESE-2	03/09/00	178.23	7.95	170.28	ND<50	1.6	ND<0.5	ND<0.5	ND<0.5	7900	---	PACE
ESE-2	06/08/00	178.23	9.66	168.57	1600	ND<0.5	0.73	ND<0.5	2.2	9400	---	PACE
ESE-2 (k)	09/18/00	178.23	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
ESE-3	10/05/92	178.20	10.58	167.62	430	57	31	3.6	34	---	---	---
ESE-3	04/01/93	178.20	8.14	170.06	2400	460	220	74	210	---	---	PACE
ESE-3	06/29/93	178.20	9.72	168.48	280	56	14	15	13	---	---	PACE
ESE-3	09/23/93	178.20	10.46	167.74	72	13	3.5	1.7	4.1	---	---	PACE
ESE-3	12/10/93	178.20	9.30	168.90	270	71	32	6.1	33	---	2.7	PACE
ESE-3	02/17/94	178.20	8.97	169.23	520	140	10	20	33	---	---	PACE
ESE-3	08/08/94	178.20	10.02	168.18	ND<50	8.8	1.6	1.6	2.3	---	6.2	PACE
ESE-3	10/12/94	178.20	10.32	167.88	470	190	6.4	15	18	---	3.5	PACE
ESE-3	01/19/95	178.20	7.40	170.80	330	260	27	21	20	---	6.7	ATI
ESE-3	05/02/95	178.20	8.26	169.94	530	180	30	23	44	---	8.6	ATI
ESE-3	07/28/95	178.20	9.54	168.66	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	8.8	ATI
ESE-3	11/17/95	178.20	10.04	168.16	ND<50	1.7	ND<0.50	ND<0.50	ND<1.0	ND<5.0	7.3	ATI
ESE-3	02/07/96	178.20	7.08	171.12	ND<50	8.6	ND<1	ND<1	ND<1	ND<10	3.9	SPL
ESE-3	04/23/96	178.20	8.79	169.41	ND<50	7.6	ND<1	ND<1	ND<1	65	6.9	SPL
ESE-3	07/09/96	178.20	10.09	168.11	ND<50	12	2.6	2	3.9	26	3.4	SPL
ESE-3	10/10/96	178.20	10.48	167.72	---	---	---	---	---	---	---	---
ESE-3	10/11/96	178.20	---	---	260	140	ND<1.0	ND<1.0	2.6	ND<10	7.2	SPL
ESE-3	01/20/97	178.20	8.65	169.55	ND<50	1.5	1.7	ND<1.0	ND<1.0	14	5.7	SPL
ESE-3	04/25/97	178.20	10.02	168.18	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	14	5.4	SPL
ESE-3	07/18/97	178.20	10.66	167.54	10000	1400	1400	300	1280	ND<250	5.2	SPL
ESE-3	10/27/97	178.20	9.83	168.37	ND<250	ND<2.5	ND<5.0	ND<5.0	36	ND<50	5.0	SPL
ESE-3	01/22/98	178.20	7.06	171.14	130	ND<0.5	ND<1.0	ND<1.0	ND<1.0	120	4.3	SPL
ESE-3	04/23/98	178.20	8.44	169.76	4800	560	ND<10	15	ND<10	4000	3.9	SPL
ESE-3	07/29/98	178.20	9.27	168.93	---	---	---	---	---	---	---	---
ESE-3	07/30/98	---	---	---	1800	6.2	ND<5.0	ND<5.0	ND<5.0	1700	4.1	SPL
ESE-3	12/17/98	178.20	9.15	169.05	600	54	ND<1.0	2.1	4.9	340/480*	---	SPL
ESE-3	03/19/99	178.20	8.14	170.06	2000	260	4.4	13	28	870	---	SPL
ESE-3	06/23/99	178.20	9.44	168.76	290	91	ND<1.0	8.3	16	240	---	SPL
ESE-3	09/27/99	178.20	9.69	168.51	130	35	ND<1.0	2.7	3.8	100	---	SPL
ESE-3	12/09/99	178.20	10.99	167.21	380	84	1.7	8.7	6.3	160	---	PACE
ESE-3	03/09/00	178.20	7.12	171.08	950	190	4.6	39	62	350	---	PACE
ESE-3	06/08/00	178.20	10.92	167.28	300	37	ND<0.5	2.3	1.3	400	---	PACE
ESE-3	09/18/00	178.20	11.12	167.08	920	140	1.3	15	4.8	170	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
ESE-4	10/05/92	177.73	10.33	167.40	98	7.2	1.3	1.1	6.1	---	---	---
ESE-4	04/01/93	177.73	7.88	169.85	550	93	20	23	33	---	---	PACE
ESE-4	06/29/93	177.66	(f) 8.33	169.33	150	23	0.6	5.4	0.5	54	(e) ---	PACE
ESE-4	09/23/93	177.66	10.05	167.61	110	14	1.7	3.2	4.6	---	---	PACE
ESE-4	12/10/93	177.66	8.95	168.71	110	21	7.2	4.2	10	---	2.8	PACE
ESE-4	02/17/94	177.66	8.65	169.01	210	26	1.2	4.7	11	110	(e) ---	PACE
ESE-4	08/08/94	177.66	9.76	167.90	76	9.6	ND<0.5	2	ND<0.5	62	(e) 7.0	PACE
ESE-4	10/12/94	177.66	9.62	168.04	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	44	(e) 3.2	PACE
ESE-4	01/19/95	177.66	6.97	170.69	140	56	14	24	23	---	6.9	ATI
ESE-4	05/02/95	177.66	7.85	169.81	130	21	2.8	8.6	8.2	---	9.1	ATI
ESE-4	07/28/95	177.66	9.20	168.46	ND<50	ND<0.5	ND<0.50	ND<0.50	ND<1.0	---	8.1	ATI
ESE-4	11/17/95	177.66	9.68	167.98	ND<50	ND<0.5	0.6	ND<0.50	ND<1.0	18	5.7	ATI
ESE-4	02/07/96	177.66	6.59	171.07	100	2.6	ND<1	1.6	4.1	42	2.0	SPL
ESE-4	04/23/96	177.66	8.30	169.36	160	37	15	16	31	43	5.4	SPL
ESE-4	07/09/96	177.66	9.21	168.45	60	17	1.5	6.8	11.6	27	3.9	SPL
ESE-4	10/10/96	177.66	9.97	167.69	---	---	---	---	---	---	---	---
ESE-4	10/11/96	177.66	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	18	5.5	SPL
ESE-4	01/20/97	177.66	7.68	169.98	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	130	4.9	SPL
ESE-4	04/25/97	177.66	9.15	168.51	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	4.3	SPL
ESE-4	07/18/97	177.66	9.71	167.95	ND<50	15	ND<10	ND<10	ND<10	ND<100	4.5	SPL
ESE-4	10/27/97	177.66	9.38	168.28	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	4.9	SPL
ESE-4	01/22/97	177.66	6.59	171.07	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.3	SPL
ESE-4	04/23/98	177.66	7.90	169.76	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	4.0	SPL
ESE-4	07/29/98	177.66	8.96	168.70	---	---	---	---	---	---	---	---
ESE-4	07/30/98	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.2	SPL
ESE-4	12/17/98	177.66	8.32	169.34	---	---	---	---	---	---	---	---
ESE-4	03/19/99	177.66	7.71	169.95	---	---	---	---	---	---	---	---
ESE-4	06/23/99	177.66	8.78	168.88	---	---	---	---	---	---	---	---
ESE-4	09/27/99	177.66	9.27	168.39	---	---	---	---	---	---	---	---
ESE-4	12/09/99	177.66	9.21	168.45	---	---	---	---	---	---	---	---
ESE-4	03/09/00	177.66	6.82	170.84	---	---	---	---	---	---	---	---
ESE-4	06/08/00	177.66	8.72	168.94	---	---	---	---	---	---	---	---
ESE-4	09/18/00	177.66	9.02	168.64	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB	
ESE-5	10/05/92	176.08	9.22	166.86	1300	200	3.8	1.2	18	---	---	---	
ESE-5	04/01/93	176.08	7.02	169.06	13000	2200	26	730	1000	---	---	PACE	
QC-1 (d)	04/01/93	---	---	---	13000	2500	25	740	1100	---	---	PACE	
ESE-5	06/29/93	176.08	10.21	165.87	7600	1500	9.3	170	100	---	---	PACE	
ESE-5	09/23/93	176.08	10.64	165.44	560	19	1.2	0.9	1.8	---	---	PACE	
ESE-5	12/10/93	176.08	9.42	166.66	1700	300	3	76	110	---	2.5	PACE	
ESE-5	02/07/94	176.08	9.35	166.73	3500	640	7.8	90	130	---	---	PACE	
ESE-5	08/08/94	176.08	8.76	167.32	2600	210	4.6	9.4	4.4	33	(e)	5.8 PACE	
QC-1 (d)	08/08/94	---	---	---	2500	230	4.6	13	4.8	32	(e)	---	PACE
ESE-5	10/12/94	176.08	8.95	167.13	5600	560	9.5	75	21	---	3.6	PACE	
QC-1 (d)	10/12/94	---	---	---	6000	550	10	78	22	77	(e)	---	PACE
ESE-5	01/19/95	176.08	5.40	170.68	1900	620	ND<5	95	15	---	7.6	ATI	
QC-1 (d)	01/19/95	---	---	---	1600	620	ND<5	93	17	---	---	ATI	
ESE-5	05/02/95	176.08	6.48	169.60	5700	1100	ND<10	180	58	---	8.2	ATI	
QC-1 (d)	05/02/95	---	---	---	5300	1100	ND<10	180	58	---	---	ATI	
ESE-5	07/28/95	176.08	7.97	168.11	520	15	ND<0.50	1.7	1.3	---	8.2	ATI	
QC-1 (d)	07/28/95	---	---	---	460	7.2	ND<0.50	1.9	1.5	---	---	ATI	
ESE-5	11/17/95	176.08	8.39	167.69	850	39	1.8	7.6	2.7	24	6.3	ATI	
ESE-5	02/07/96	176.08	4.71	171.37	4100	670	6	190	140	ND<50	1.5	SPL	
ESE-5	04/23/96	176.08	7.35	168.73	3000	570	ND<5	79	100	84	6.5	SPL	
ESE-5	07/09/96	176.08	9.40	166.68	620	150	1.7	9.3	6.4	25	3.7	SPL	
ESE-5	10/10/96	176.08	9.04	167.04	1100	29	ND<5.0	ND<5.0	ND<5.0	ND<50	6.3	SPL	
QC-1 (d)	10/10/96	---	---	---	1100	31	ND<5.0	ND<5.0	ND<5.0	ND<50	---	SPL	
ESE-5	01/20/97	176.08	5.82	170.26	2100	980	ND<25	280	80	ND<250	5.4	SPL	
QC-1 (d)	01/20/97	---	---	---	2700	910	8.8	280	84	180	---	SPL	
ESE-5	04/25/97	176.08	7.24	168.84	---	---	---	---	---	---	---	---	
ESE-5	04/28/97	176.08	---	---	ND<250	7.9	ND<5.0	ND<5.0	ND<5.0	ND<50	4.9	SPL	
ESE-5	07/18/97	176.08	7.86	168.22	1200	ND<5	ND<10	ND<10	ND<10	ND<100	5.0	SPL	
QC-1 (d)	07/18/97	---	---	---	630	31	ND<5.0	ND<5.0	ND<5.0	130	---	SPL	
ESE-5	10/27/97	176.08	7.91	168.17	ND<250	5.4	ND<5.0	ND<5.0	ND<5.0	ND<50	5.2	SPL	
ESE-5	01/22/98	176.08	4.64	171.44	170	7.7	ND<1.0	ND<1.0	ND<1.0	130	4.6	SPL	
ESE-5	04/23/98	176.08	6.31	169.77	720	79	ND<5.0	9.0	ND<5.0	180	4.6	SPL	
ESE-5	07/29/98	176.08	7.43	168.65	---	---	---	---	---	---	---	---	
ESE-5	07/30/98	---	---	---	840	9.8	ND<1.0	4.0	ND<1.0	710	4.3	SPL	
ESE-5	12/17/98	176.08	7.05	169.03	---	---	---	---	---	---	---	---	
ESE-5	03/19/99	176.08	5.00	171.08	ND<250	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	---	SPL	
ESE-5	06/23/99	176.08	7.77	168.31	---	---	---	---	---	---	---	SPL	
ESE-5	09/27/99	176.08	8.11	167.97	450	10	ND<5.0	6.3	ND<5.0	220	---	SPL	
ESE-5	12/09/99	176.08	7.66	168.42	---	---	---	---	---	---	---	---	

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
ESE-5	03/09/00	176.08	5.08	171.00	1700	170	2.5	45	6.4	140	---	PACE
ESE-5	06/08/00	176.08	7.36	168.72	---	---	---	---	---	---	---	---
ESE-5	09/18/00	176.08	7.71	168.37	130	0.65	ND<0.5	0.71	ND<0.5	51	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-6	07/28/95	179.24	10.00	169.24	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	8.1	ATI
MW-6	11/17/95	179.24	10.44	168.80	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	6.8	ATI
MW-6	02/07/96	179.24	7.68	171.56	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	2.4	SPL
MW-6	04/23/96	179.24	9.33	169.91	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	6.6	SPL
MW-6	07/09/96	179.24	10.10	169.14	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	2.7	SPL
MW-6	10/10/96	179.24	11.00	168.24	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.9	SPL
MW-6	01/20/97	179.24	8.70	170.54	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.5	SPL
MW-6	04/25/97	179.24	10.16	169.08	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.1	SPL
MW-6	07/18/97	179.24	10.66	168.58	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.8	SPL
MW-6	10/27/97	179.24	10.25	168.99	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.8	SPL
MW-6	01/22/98	179.24	7.76	171.48	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.0	SPL
MW-6	04/23/98	179.24	9.10	170.14	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.2	SPL
MW-6	07/29/98	179.24	10.40	168.84	---	---	---	---	---	---	---	---
MW-6	07/30/98	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	3.8	SPL
MW-6	12/17/98	179.24	9.40	169.84	---	---	---	---	---	---	---	---
MW-6	03/19/99	179.24	9.10	170.14	---	---	---	---	---	---	---	---
MW-6	06/23/99	179.24	9.79	169.45	---	---	---	---	---	---	---	---
MW-6	09/27/99	179.24	10.10	169.14	---	---	---	---	---	---	---	---
MW-6	12/09/99	179.24	9.97	169.27	---	---	---	---	---	---	---	---
MW-6	03/09/00	179.24	8.56	170.68	---	---	---	---	---	---	---	---
MW-6	06/08/00	179.24	9.11	170.13	---	---	---	---	---	---	---	---
MW-6	09/18/00	179.24	9.77	169.47	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-7	07/28/95	176.55	9.25	167.30	ND<50	0.54 (g)	0.54	ND<0.50	ND<1.0	---	7.1	ATI
MW-7	11/17/95	176.55	9.73	166.82	1100	ND<10	ND<10	ND<10	ND<20	4000	6.3	ATI
MW-7	02/07/96	176.55	6.48	170.07	610	ND<0.5	ND<1	ND<1	ND<1	2500	4.1	SPL
QC-1 (d)	02/07/96	---	---	---	280	ND<0.5	ND<1	ND<1	ND<1	2600	---	SPL
MW-7	04/23/96	176.55	8.37	168.18	110	ND<0.5	ND<1	ND<1	ND<1	3500	6.4	SPL
QC-1 (d)	04/23/96	---	---	---	230	ND<0.5	ND<1	ND<1	ND<1	3500	---	SPL
MW-7	07/09/96	176.55	9.24	167.31	230	ND<0.5	ND<1	ND<1	ND<1	4296	3.1	SPL
QC-1 (d)	07/09/96	---	---	---	220	ND<0.5	ND<1	ND<1	ND<1	4400	---	SPL
MW-7	10/10/96	176.55	10.05	166.50	---	---	---	---	---	---	---	---
MW-7	10/11/96	176.55	---	---	1600	ND<0.5	ND<1.0	ND<1.0	ND<1.0	3000	6.9	SPL
MW-7	01/20/97	176.55	7.51	169.04	ND<50	0.63	1	ND<1.0	ND<1.0	2600	5.7	SPL
MW-7	04/25/97	176.55	8.79	167.76	---	---	---	---	---	---	---	---
MW-7	04/28/97	176.55	---	---	1500	ND<0.5	ND<1.0	ND<1.0	ND<1.0	3600	5.1	SPL
QC-1 (d)	04/28/97	---	---	---	7700	3500	ND<25	74	37	ND<250	---	SPL
MW-7	07/18/97	176.55	9.50	167.05	1400	ND<0.5	ND<1.0	ND<1.0	ND<1.0	2600	5.2	SPL
MW-7	10/27/97	176.55	9.19	167.36	420	ND<0.5	ND<1.0	ND<1.0	ND<1.0	560	4.9	SPL
MW-7	01/22/98	176.55	6.45	170.10	3100	ND<0.5	ND<1.0	ND<1.0	1.4	2300	4.2	SPL
MW-7	04/23/98	176.55	8.02	168.53	3800	ND<0.5	ND<1.0	ND<1.0	ND<1.0	3800	3.9	SPL
MW-7	07/29/98	176.55	8.88	167.67	---	---	---	---	---	---	---	---
MW-7	07/30/98	---	---	---	500	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	4.1	SPL
QC-1 (d)	07/30/98	---	---	---	4700	ND<12	ND<25	ND<25	ND<25	4700	---	SPL
MW-7	12/17/98	176.55	8.62	167.93	---	---	---	---	---	---	---	---
MW-7	03/19/99	176.55	7.52	169.03	3800	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3800	---	SPL
MW-7	06/23/99	176.55	9.63	166.92	---	---	---	---	---	---	---	---
MW-7	09/27/99	176.55	9.39	167.16	140	ND<10	ND<10	ND<10	ND<10	3800	---	SPL
MW-7	12/09/99	176.55	9.94	166.61	---	---	---	---	---	---	---	---
MW-7	03/09/00	176.55	6.72	169.83	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1400	---	PACE
MW-7	06/08/00	176.55	7.38	169.17	---	---	---	---	---	---	---	---
MW-7	09/18/00	176.55	9.18	167.37	190	ND<0.5	ND<0.5	ND<0.5	ND<0.5	580	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-8	07/28/95	176.34	7.80	168.54	1100	ND<2.5	ND<2.5	ND<2.5	ND<5.0	---	7.2	ATI
MW-8	11/17/95	176.34	8.29	168.05	8300	75	5.3	670	240	140	7.0	ATI
MW-8	02/07/96	176.34	4.99	171.35	2300	33	ND<10	190	216	ND<100	1.7	SPL
MW-8	04/23/96	176.34	6.09	170.25	2000	390	ND<20	150	26	ND<250	5.1	SPL
MW-8 (h)	07/09/96	---	---	---	---	---	---	---	---	---	---	---
QC-2 (i)	04/01/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (i)	06/29/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (i)	09/23/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (i)	12/10/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (i)	02/17/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (i)	08/08/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (i)	10/12/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (i)	01/19/95	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	ATI
QC-2 (i)	05/02/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	ATI
QC-2 (i)	07/28/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	ATI
QC-2 (i)	11/17/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	ATI
QC-2 (i)	02/07/96	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	SPL
QC-2 (i)	04/23/96	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	SPL
QC-2 (i)	07/09/96	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
---	Not applicable/available/measured/analyzed
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories

NOTES:

- (a) Top of casing elevations surveyed relative to mean sea level.
- (b) Groundwater elevations in feet relative to mean sea level.
- (c) Additional analysis of the sample collected from ESE-1 on 10/5/92 detected 96 ug/l total petroleum hydrocarbons as diesel and 1.8 ug/l 1,2-dichloroethane.
- (d) Blind duplicate.
- (e) A copy of the documentation for this data is included in Appendix C of Alisto report 10-138-09-004.
- (f) Top of casing lowered by 0.07 foot after the monitoring event on 4/01/93.
- (g) Sample result may be falsely elevated due to matrix interference.
- (h) Well destroyed.
- (i) Travel blank.
- (j) Gasoline does not include MTBE.
- (k) Well Inaccessible
- (*) MTBE by EPA 8020/8260

Analytical Appendix



Pace Analytical Services, Inc.
3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax: 562.597.0786

September 26, 2000

Mr. MORGAN HARGRAVE
BLAINE TECH SERVICES, INC.
1680 ROGERS AVE.
SAN JOSE, CA 95112

RE: Pace Project Number: 6044926
Client Project ID: BP 11105

Dear Mr. HARGRAVE:

Enclosed are the analytical results for sample(s) received by the laboratory on September 19, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lily Bayati
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
 3970 Gilman Street
 Long Beach, CA 90815
 Phone: 562.498.9515
 Fax: 562.597.0786

DATE: 09/26/00
 PAGE: 1

BLAINE TECH SERVICES, INC.
 1680 ROGERS AVE.
 SAN JOSE, CA 95112

Pace Project Number: 6044926
 Client Project ID: BP 11105

Attn: Mr. MORGAN HARGRAVE
 Phone: (408)573-0555 x218

Solid results are reported on a wet weight basis

Pace Sample No:	603828377	Date Collected:	09/18/00	Matrix:	Water
Client Sample ID:	A	Date Received:	09/19/00		

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
------------	---------	-------	-----	----------	---------	------	-----------

Long Beach Laboratory

GAS BTEX by 8015, Water	Method: EPA 8015/8020 Modif	Prep Method: EPA 8015/8020 Modif
Gasoline	190 ug/l 50	09/21/00 VN
Benzene	ND ug/l 0.5	09/21/00 VN 71-43-2
Toluene	ND ug/l 0.5	09/21/00 VN 108-88-3
Ethylbenzene	ND ug/l 0.5	09/21/00 VN 100-41-4
Methyl-tert-butyl Ether	580 ug/l 38	09/21/00 VN 1634-04-4
Xylene (Total)	ND ug/l 0.5	09/21/00 VN 1330-20-7
a,a,a Trifluorotoluene (S)	103 %	09/21/00 VN 2164-17-2

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
 3970 Gilman Street
 Long Beach, CA 90815
 Phone: 562.498.9515
 Fax: 562.597.0786

DATE: 09/26/00

PAGE: 2

Pace Project Number: 6044926
 Client Project ID: BP 11105

Pace Sample No: 603828393 Date Collected: 09/18/00 Matrix: Water
 Client Sample ID: B Date Received: 09/19/00

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
------------	---------	-------	-----	----------	---------	------	-----------

Long Beach Laboratory

GAS BTEX by 8015, Water	Method: EPA 8015/8020 Modif			Prep Method: EPA 8015/8020 Modif		
Gasoline	920	ug/l	50	09/21/00	VN	
Benzene	140	ug/l	0.5	09/21/00	VN	71-43-2
Toluene	1.3	ug/l	0.5	09/21/00	VN	108-88-3
Ethylbenzene	15	ug/l	0.5	09/21/00	VN	100-41-4
Methyl-tert-butyl Ether	170	ug/l	0.5	09/21/00	VN	1634-04-4
Xylene (Total)	4.8	ug/l	0.5	09/21/00	VN	1330-20-7
a,a,a-Trifluorotoluene (S)	135	%		09/21/00	VN	2164-17-2

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Pace Analytical Services, Inc.

3970 Gilman Street
Long Beach, CA 90815

Phone: 562.498.9515
Fax: 562.597.0786

DATE: 09/26/00

PAGE: 5

Pace Project Number: 6044926
Client Project ID: BP 11105

PARAMETER FOOTNOTES

ND Not Detected
NC Not Calculable
PRL Pace Reporting Limit
(S) Surrogate
[1] Matrix Effect

REPORT OF LABORATORY ANALYSIS

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3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax: 562.597.0786

DATE: 09/26/00
PAGE: 7

Pace Project Number: 6044926
Client Project ID: BP 11105

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

ND Not Detected
NC Not Calculable
PRL Pace Reporting Limit
RPD Relative Percent Difference
(S) Surrogate

REPORT OF LABORATORY ANALYSIS

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17058A 6044926

CHAIN OF CUSTODY

Page 1 of 1

CONSULTANT'S NAME Blaine Tech Services, Inc.		CONSULTANT'S ADDRESS 1680 Rogers Ave., San Jose CA 95112	
BP SITE NUMBER 11105	BP SITE / FACILITY ADDRESS 3519 Castro Valley Blvd., Castro Valley		CONSULTANT PROJECT NUMBER 009180-1
CONSULTANT PROJECT MANAGER Morgan Hargrave		PHONE NUMBER (408) 573-0555 x 218	FAX NUMBER (408) 573-7771
BP CONTACT Scott Hooton		BP ADDRESS 295 SW 41st Street, Suite N, Renton WA	PHONE NUMBER (425) 251-0689
LAB CONTACT Pace - Lily Bayati		LABORATORY ADDRESS 3970 Gilman Street, Long Beach, CA	PHONE NUMBER (562) 498-9515
BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)		RUSH REQUESTED OF (Print Consultant Contact Name)	DATE/TIME
			SHIPMENT DATE
			SHIPMENT METHOD Airborne

24 HOURS
 48 HOURS
 72 HOURS
 Standard 7 or 14 Days

ANALYSIS REQUIRED

AIRBILL NUMBER: 3361331956

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS		PRESERVATIVE	TPH-G + BTEX / MTBE (8015M) (8220)	TPH-D (8015M)	FUEL OXYGENATES (8260)	1,2 DCA + EDB (8010)									COMMENTS	
				NO.	TYPE (VOL)	LAB SAMPLE #														
A	9/18/00	615	W	3	40ml	Hel	X													
B		641					X													
C		702					X													
E		725					X													

SAMPLED BY (Please Print Name) Garrett Haeffel			SAMPLED BY (Signature) <i>[Signature]</i>				ADDITIONAL COMMENTS 2-9			
RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION Name / Signature	(Print)	DATE	TIME				
<i>[Signature]</i>	9/18/00	14:00	<i>[Signature]</i>		9/19/00	10:00				

Field Data Sheets

WELL GAUGING DATA

Project # 000918N-1 Date 9/18/00 Client BP 11105

Site 3519 Castro Valley B1, Castro Valley

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or FOC		
ESE-1	2	E				10.05	27.27		7	
ESE-2	2	Well Inaccessible (car parked over)								6
ESE-3	2	B				11.12	29.61		4	
GO ESE-4	2					9.02	22.76		1	
ESE-5	2	C				7.71	23.67		5	
GO MW-6	2					9.77	28.97		2	
MW-7	2	A				9.13	28.61		3	

BP WELL MONITORING DATA SHEET

Project #: <u>000918N-1</u>	Station # <u>11105</u>
Sampler: <u>GT</u>	Date: <u>9/18/00</u>
Well I.D.: <u>ESE-1</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>29.27</u>	Depth to Water: <u>10.05</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVOTOL</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	<u>0.16</u>	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: Bailer
Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump

Sampling Method: Bailer
Disposable Bailer
 Extraction Port
 Other: _____

Other: _____

<u>3.1</u>	<u>X</u>	<u>3</u>	<u>=</u>	<u>9.3</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>714</u>	<u>67.8</u>	<u>6.83</u>	<u>937</u>	<u>3.5</u>	
<u>718</u>	<u>67.8</u>	<u>6.81</u>	<u>940</u>	<u>7.0</u>	
<u>721</u>	<u>67.8</u>	<u>6.82</u>	<u>941</u>	<u>10.0</u>	

Did well dewater? Yes No Gallons actually evacuated: 10

Sampling Time: 725 Sampling Date: 9/18/00

Sample I.D. (Blind): DE Laboratory: Pace Other: _____

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

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

BP WELL MONITORING DATA SHEET

Project #: <u>000918N-1</u>	Station # <u>11105</u>
Sampler: <u>GT</u>	Date: <u>9/18/00</u>
Well I.D.: <u>ESE-2</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVDOL</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	<u>0.16</u>	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible
 Extraction Pump
 Other: _____

_____	X	<u>3</u>	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
					<u>Well Inaccessible, Car parked over well</u>
					<u>guys inside shop unable to determine whether car</u>
					<u>was there for work or what. No keys available to move</u>
					<u>station would be held liable for any damage.</u>

Did well dewater? Yes No Gallons actually evacuated: 0

Sampling Time: _____ Sampling Date: 9/18/00

Sample I.D. (Blind): D Laboratory: Pace Other: _____

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

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

BP WELL MONITORING DATA SHEET

Project #: <u>000918N-1</u>	Station # <u>11105</u>
Sampler: <u>GT</u>	Date: <u>9/18/00</u>
Well I.D.: <u>ESE-3</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>29.61</u>	Depth to Water: <u>11.12</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVTOL</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	<u>0.16</u>	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: Bailer
Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump

Sampling Method: Bailer
Disposable Bailer
 Extraction Port
 Other: _____

Other: _____

<u>3.0</u>	<u>X</u>	<u>3</u>	<u>=</u>	<u>9.0</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>628</u>	<u>71.8</u>	<u>6.73</u>	<u>951</u>	<u>3</u>	
<u>634</u>	<u>72.1</u>	<u>6.81</u>	<u>955</u>	<u>4</u>	
<u>637</u>	<u>72.2</u>	<u>6.83</u>	<u>958</u>	<u>9</u>	

Did well dewater? Yes No Gallons actually evacuated: 9

Sampling Time: 641 Sampling Date: 9/18/00

Sample I.D. (Blind): B Laboratory: Pace Other: _____

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

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

BP WELL MONITORING DATA SHEET

Project #: <u>000918N-1</u>	Station # <u>11105</u>
Sampler: <u>GT</u>	Date: <u>9/18/00</u>
Well I.D.: <u>ESE-5</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>23.67</u>	Depth to Water: <u>7.71</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>CPD/OL</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	<u>0.16</u>	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer
Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible Other: _____
 Extraction Pump

Other: _____

<u>2.5</u>	X	<u>3</u>	=	<u>7.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>651</u>	<u>71.4</u>	<u>7.01</u>	<u>363</u>	<u>2.5</u>	
<u>654</u>	<u>71.5</u>	<u>7.02</u>	<u>762</u>	<u>5.0</u>	
<u>658</u>	<u>71.5</u>	<u>7.01</u>	<u>841</u>	<u>7.5</u>	

Did well dewater? Yes No Gallons actually evacuated: 7.5

Sampling Time: 702 Sampling Date: 9/18/00

Sample I.D. (Blind): L Laboratory: Pace Other: _____

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

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

BP WELL MONITORING DATA SHEET

Project #: 000918N-1	Station # 11105
Sampler: GT	Date: 9/18/00
Well I.D.: 2.00 MW-7	Well Diameter: (2) 3 4 6 8
Total Well Depth: 28.61	Depth to Water: 9.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PYDOL</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Sampling Method: Bailer
Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible
 Extraction Pump
 Other: _____

3.1	x	3	=	9.3	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
602	69.3	6.83	743	3.5	
607	69.5	6.91	822	7.0	
612	69.6	6.94	831	10.0	

Did well dewater? Yes No Gallons actually evacuated: 10

Sampling Time: 615 Sampling Date: 9/18/00

Sample I.D. (Blind): A Laboratory: Pace Other: _____

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

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