R0066

bp

Scott T. Hooton
Portfolio Manager

BP Oil Company
Midwest Environmental Services
295 SW 41st Street
Bldg. 13, Suite N
Renton, WA 98055

Switchboard: 425/251-0667
Central Fax: 425/251-0736

February 7, 2001

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

Re: Former BP Oil Site No, 11126
1700 Powell Street (at Christie)
Emeryville, CA

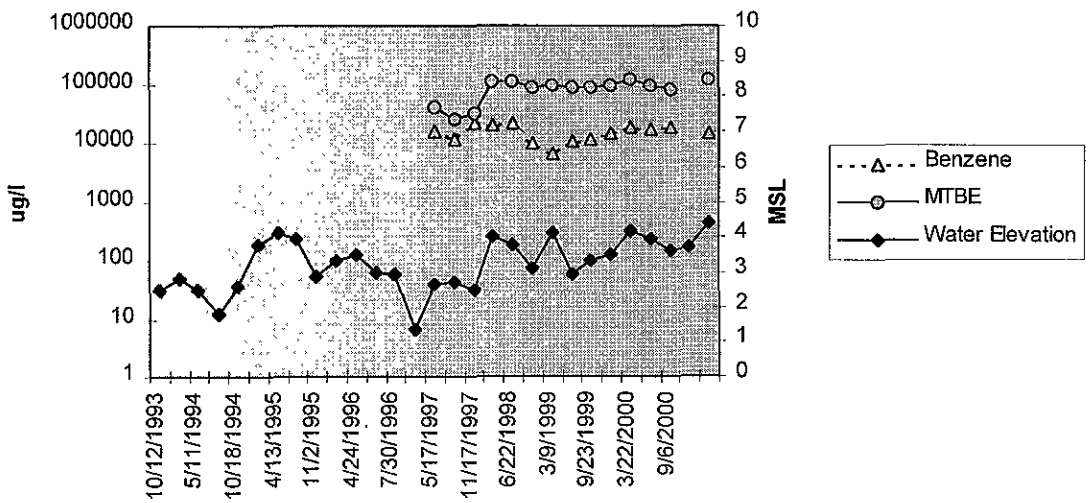
Direct: 425/251-0689
Cell: 206/919-5029
hootonst@bp.com
www bp com

Dear Ms. Hugo:

Enclosed find the 31 January 2001 *Fourth Quarter 2000 Groundwater Monitoring* report prepared on behalf of BP by Blaine Tech Services. The report summarizes chemical data obtained since 1992, including results associated with samples obtained on 11 December 2000.

The enclosed report shows that the liquid petroleum hydrocarbon previously documented in well MW-9 has not been found in measurable accumulations since 1996. On 11 December 2000, MTBE and other aromatic hydrocarbons were detected in samples obtained from wells MW-1 and MW-9, with the highest concentrations associated with well MW-9. Water elevation, benzene, and MTBE data for MW-9 shown below.

MW-9 Benzene, MTBE & Water Elevation



Please give me a call at (425) 251-0689 if you have any comments or questions regarding this matter.

Sincerely,

Scott Hooton

attachment

cc: site file
D. Camille - Tosco (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
www.blainetech.com

January 31, 2001

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

4th Quarter 2000 Monitoring at 11126

Fourth Quarter 2000 Groundwater Monitoring
BP Service Station Number 11126
1700 Powell St.
Emeryville, CA

Monitoring Performed on December 11, 2000

Groundwater Sampling Report **001211-S-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 **Professional Engineering Appendix** contains a **Groundwater Elevation Map** and a **Dissolved Petroleum Hydrocarbon Concentration Map.**

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.

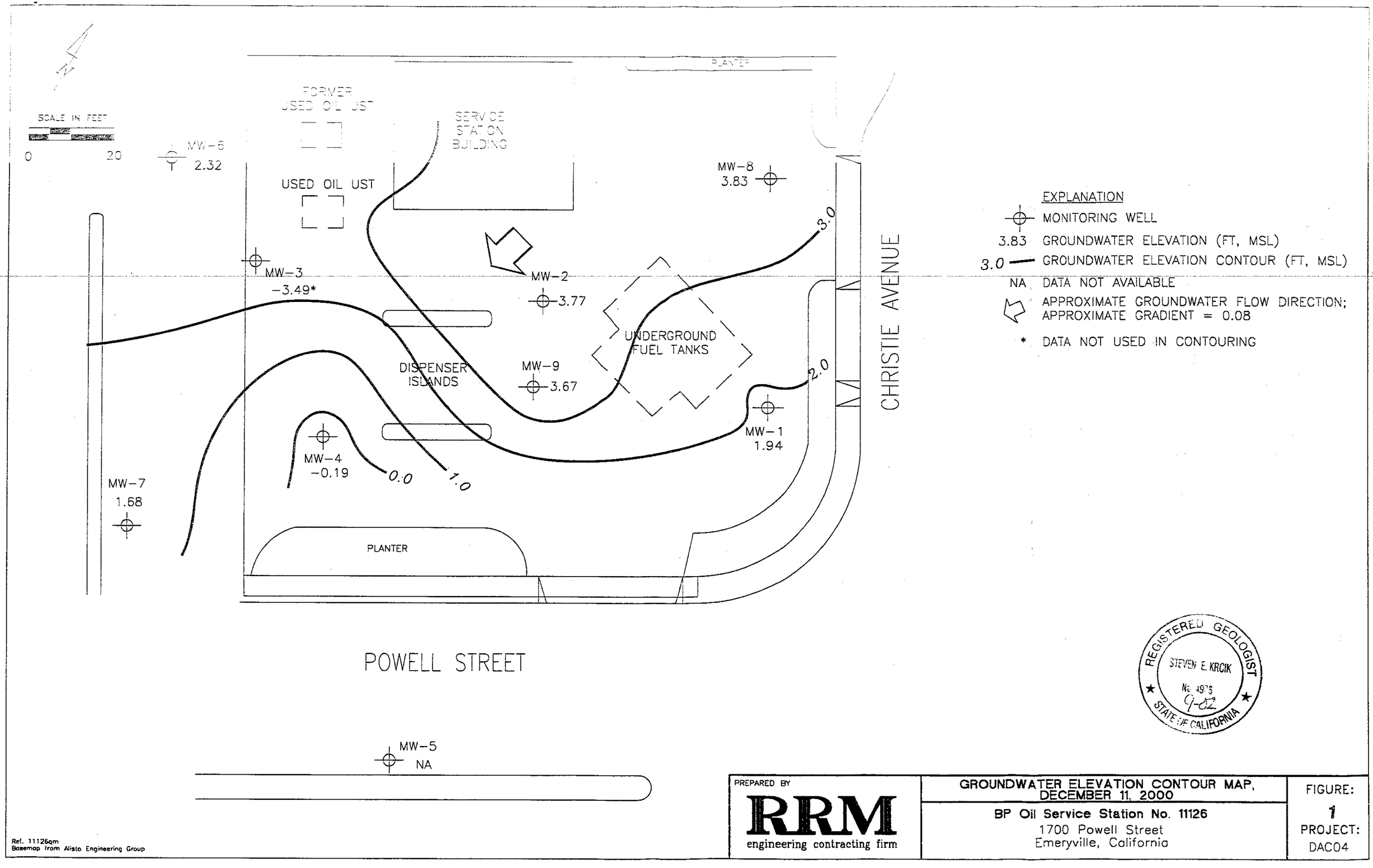
Yours truly,

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

- MONITORING WELL
- 3.83 GROUNDWATER ELEVATION (FT, MSL)
- 3.0 GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- NA DATA NOT AVAILABLE
- APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.08
- * DATA NOT USED IN CONTOURING

REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4975
9-02
STATE OF CALIFORNIA

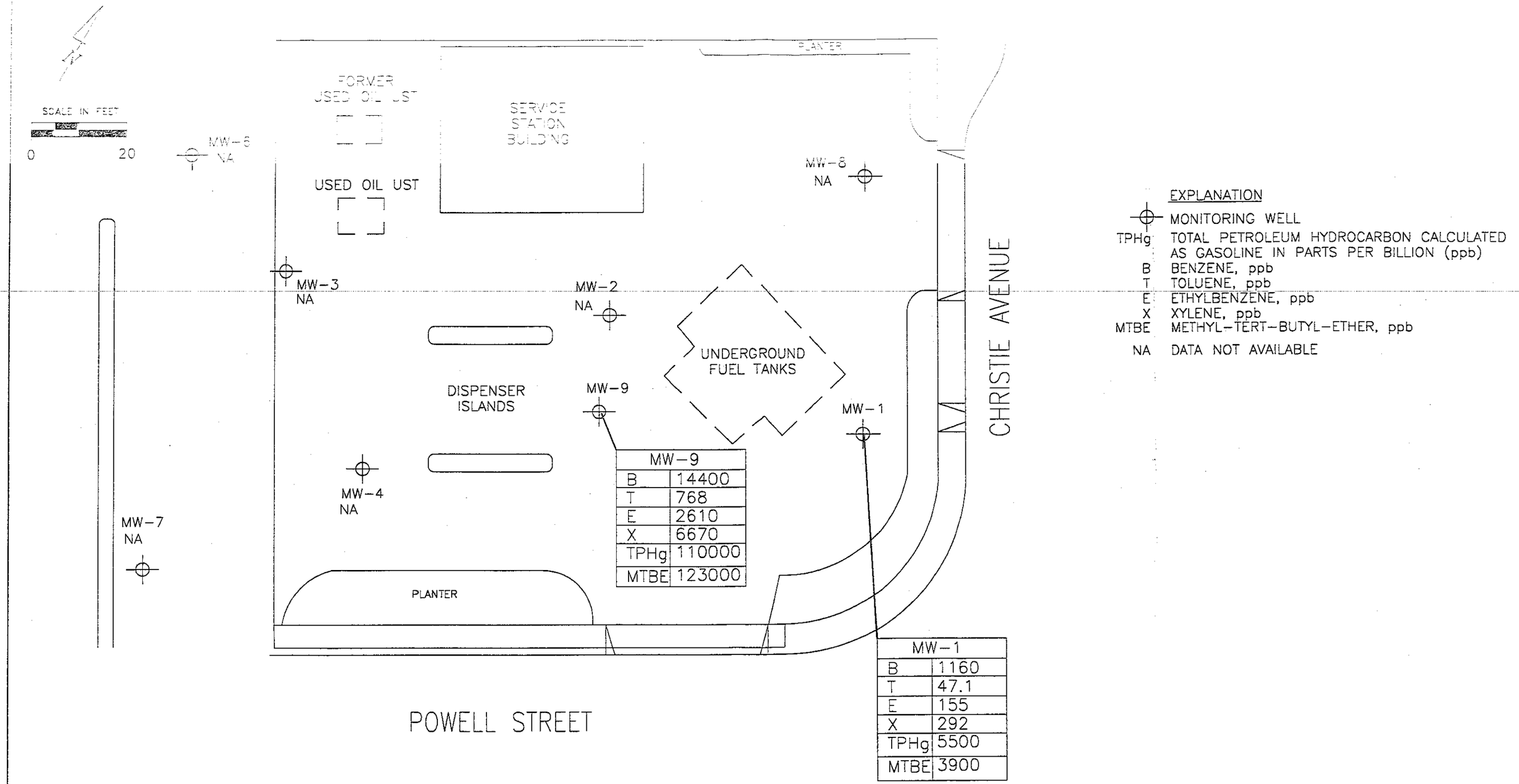
Ref. 11126qm
Basemap from Alisto Engineering Group

PREPARED BY
RRM
engineering contracting firm

GROUNDWATER ELEVATION CONTOUR MAP, DECEMBER 11, 2000

BP Oil Service Station No. 11126
1700 Powell Street
Emeryville, California

FIGURE: 1
PROJECT: DAC04



EXPLANATION

⊕	MONITORING 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. 11126gm
Basemap from Alisto Engineering Group

PREPARED BY
RRM
engineering contracting firm

HYDROCARBON CONCENTRATION MAP, DECEMBER 11, 2000

BP Oil Service Station No. 11126
1700 Powell Street
Emeryville, 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)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-1	11/04/92	7.76	4.96	---	2.80	5300	---	1100	480	ND<0.5	1500	---	---	---	---	PACE
MW-1	10/12/93	7.76	5.26	---	2.50	3600	---	970	71	100	550	---	---	---	---	PACE
MW-1	02/15/94	7.76	4.98	---	2.78	17000	---	4200	510	360	1600	---	---	---	3.9	PACE
MW-1	05/11/94	7.76	4.55	---	3.21	5500	---	2900	37	56	64	---	---	---	8.0	PACE
MW-1	08/01/94	7.76	5.51	---	2.25	15000	---	3600	740	510	2800	9700 (d)	---	---	2.9	PACE
QC-1 (e)	08/01/94	---	---	---	---	16000	---	3600	750	510	2800	9800 (d)	---	---	---	PACE
MW-1	10/18/94	7.76	5.11	---	2.65	16000	---	1800	61	160	890	---	---	---	2.9	PACE
QC-1 (e)	10/18/94	---	---	---	---	16000	---	1900	64	170	950	---	---	---	---	PACE
MW-1	01/13/95	7.76	3.05	---	4.71	220	---	7	ND<0.5	1	23	---	---	---	6.6	ATI
QC-1 (e)	01/13/95	---	---	---	---	590	---	88	0.7	ND<0.5	55	---	---	---	---	ATI
MW-1	04/13/95	7.76	3.84	---	3.92	9300	---	4000	300	200	950	---	---	---	7.7	ATI
MW-1	07/11/95	7.76	3.60	---	4.16	15000	---	2200	84	ND<25	2500	---	---	---	8.8	ATI
MW-1	11/02/95	7.76	4.58	---	3.18	19000	---	920	ND<100	ND<100	430	52000	---	---	7.3	ATI
MW-1	02/05/96	7.76	4.43	---	3.33	4600	---	1400	330	54	247	8700	---	---	3.2	SPL
MW-1	04/24/96	7.76	4.00	---	3.76	2000	---	510	33	61	228	4500	---	---	7.5	SPL
MW-1	07/15/96	7.76	4.30	---	3.46	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/16/96	7.76	---	---	---	12000	---	2800	170	390	1630	64000	---	---	7.9	SPL
QC-1 (e)	07/16/96	---	---	---	---	12000	---	2800	160	390	1610	63000	---	---	---	SPL
MW-1	07/30/96	7.76	4.64	---	3.12	---	---	---	---	---	---	---	---	---	---	---
MW-1	08/12/96	7.76	---	---	---	11000	---	2500	160	ND<10	1740	440000	---	---	7.0	SPL
MW-1	11/04/96	7.76	5.98	---	1.78	---	---	---	---	---	---	---	---	---	---	---
MW-1	11/05/96	7.76	---	---	---	53000	---	1300	43	100	349	42000/19000 (f)	---	---	6.6	SPL
MW-1	05/17/97	7.76	4.65	---	3.11	52000	---	1958	55	305	1216	140198	---	---	5.7	SPL
MW-1	08/11/97	7.76	4.90	---	2.86	25000	---	540	6.7	ND<5.0	57	360000	---	---	7.9	SPL
MW-1	11/17/97	7.76	6.12	---	1.64	93000	---	1200	31	180	40	400000	---	---	7.6	SPL
MW-1	01/29/98	7.76	4.90	---	2.86	4800	---	320	24	52	19.9	ND<50	---	---	6.6	SPL
MW-1	06/22/98	7.76	4.62	---	3.14	63000	---	180	ND<5.0	15	69	57000	---	---	6.0	
MW-1	12/30/98	7.76	5.41	---	2.35	22000	---	2500	24	120	400	15000/13000 (f)	---	---	---	SPL
MW-1	03/09/99	7.76	3.40	---	4.36	16000	---	2000	84	290	510	13000	---	---	---	SPL
MW-1	06/23/99	7.76	4.60	---	3.16	9600	---	4500	21	160	260	24000	---	---	---	SPL
MW-1	09/23/99	7.76	4.21	---	3.55	3800	---	1600	32	150	240	7100	---	---	---	SPL
MW-1	12/28/99	7.76	4.10	---	3.66	3400	---	ND<2200	17	53	130	5500	---	---	---	PACE
MW-1	03/22/00	7.76	5.51	---	2.25	6400	---	1100	45	190	330	4900	---	---	---	PACE
MW-1	05/26/00	7.76	4.79	---	2.97	110000	---	700	44	140	250	320000	---	---	---	PACE
MW-1	09/06/00	7.76	5.19	---	2.57	5600	---	1000	13	57	90	19000	---	---	---	PACE
MW-1	09/15/00	7.76	5.73	---	2.03	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/11/00	7.76	5.82	---	1.94	5500	---	1160	47.1	155	292	3900	---	---	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-2	11/04/92	8.56	5.88	---	2.68	12000	---	3900	1300	ND<0.5	2300	---	---	---	---	PACE
QC-1 (e)	11/04/92	---	---	---		12000	---	3200	980	ND<0.5	1900	---	---	---	---	PACE
MW-2	10/12/93	8.56	6.29	---	2.27	4500	---	3400	180	230	940	---	---	---	---	PACE
MW-2	02/15/94	8.56	5.56	---	3.00	2000	---	430	270	28	390	---	---	---	4 0	PACE
QC-1 (e)	02/15/94	---	---	---		1800	---	290	160	14	250	---	---	---	---	PACE
MW-2	05/11/94	8.56	5.17	---	3.39	14000	---	3900	1200	440	1900	---	---	---	8.9	PACE
QC-1 (e)	05/11/94	---	---	---	---	15000	---	5600	1500	470	2000	740 (d)	---	---	---	PACE
MW-2	08/01/94	8.56	5.43	---	3.13	8200	---	3000	420	230	680	---	---	---	2.6	PACE
MW-2	10/18/94	8.56	5.71	---	2.85	9000	---	2000	140	150	420	---	---	---	7 2	PACE
MW-2	01/13/95	8.56	4.67	---	3.89	7900	---	2200	42	ND<5	770	---	---	---	6.8	ATI
MW-2	04/13/95	8.56	4.37	---	4.19	33000	---	8000	2500	1100	6600	---	---	---	7.5	ATI
QC-1 (e)	04/13/95	---	---	---	---	25000	---	6500	1500	110	5300	---	---	---	---	ATI
MW-2	07/11/95	8.56	4.51	---	4.05	19000	---	3300	99	7.5	4600	---	---	---	7.8	ATI
QC-1 (e)	07/11/95	---	---	---	---	28000	---	6800	1000	900	4900	---	---	---	---	ATI
MW-2	11/02/95	8.56	5.55	---	3.01	20000	---	3800	1200	570	2700	15000	---	---	7.3	ATI
QC-1 (e)	11/02/95	---	---	---	---	22000	---	4000	1200	600	2700	19000	---	---	---	ATI
MW-2	02/05/96	8.56	5.10	---	3.46	1200	---	320	220	26	187	99	---	---	2.2	SPL
QC-1 (e)	02/05/96	---	---	---	---	910	---	290	180	19	137	93	---	---	---	SPL
MW-2	04/24/96	8.56	4.95	---	3.61	ND<500	---	70	22	ND<10	61	ND<50	---	---	7.0	SPL
QC-1 (e)	04/24/96	---	---	---	---	ND<500	---	100	30	ND<10	71	ND<100	---	---	---	SPL
MW-2	07/15/96	8.56	5.40	---	3.16	---	---	---	---	---	---	---	---	---	---	---
MW-2	07/16/96	8.56	---	---	---	12000	---	3300	1400	250	2610	1400	---	---	7.8	SPL
MW-2	07/30/96	8.56	5.44	---	3.12	---	---	---	---	---	---	---	---	---	---	---
MW-2	11/04/96	8.56	7.06	---	1.50	---	---	---	---	---	---	---	---	---	---	---
MW-2	11/05/96	8.56	---	---	---	7200	---	1400	230	38	2110	1100	---	---	7.4	SPL
QC-1 (e)	11/05/96	---	---	---	---	9200	---	1300	170	ND<25	2240	1100	---	---	---	SPL
MW-2	05/17/97	8.56	5.77	---	2.79	570	---	42	ND<5.0	5.0	60	210	---	---	6.9	SPL
MW-2	08/11/97	8.56	5.71	---	2.85	6300	---	1800	130	86	397	2400	---	---	8 5	SPL
MW-2	11/17/97	8.56	6.91	---	1.65	2400	---	220	30	33	259	130	---	---	7.9	SPL
MW-2	01/29/98	8.56	4.61	---	3.95	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	6.2	SPL
MW-2	06/22/98	8.56	4.80	---	3.76	4200	---	640	150	120	650	560	---	---	5.4	SPL
MW-2	12/30/98	8.56	5.21	---	3.35	---	---	---	---	---	---	---	---	---	---	---
MW-2	06/23/99	8.56	5.30	---	3.26	---	---	---	---	---	---	---	---	---	---	---
MW-2	09/23/99	8.56	4.75	---	3.81	3800	---	760	19	210	960	910	---	---	---	SPL
MW-2	12/28/99	8 56	4.51	---	4.05	---	---	---	---	---	---	---	---	---	---	---
MW-2	03/22/00	8.56	4.21	---	4.35	2500	---	780	17	44	270	2800	---	---	---	PACE
MW-2	05/26/00	8.56	4.66	---	3.90	---	---	---	---	---	---	---	---	---	---	---
MW-2	09/06/00	8.56	4.71	---	3.85	3700	---	1200	5 5	12	170	12000	---	---	---	PACE
MW-2	09/15/00	8.56	4.74	---	3.82	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-2	12/11/00	8.56	4.79	---	3.77	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-3	11/04/92	8.25	6 38	---	1.87	200	690	1.6	ND<0.5	ND<0.5	1.1	---	ND<5000	ND	---	PACE
MW-3	10/12/93	8.25	5.84	---	2.41	270	2100	5.0	0.7	ND<0.5	2.6	---	ND<5000	ND	---	PACE
QC-1 (e)	10/12/93	---	---	---		150	---	5.6	0.6	ND<0.5	1.6	---	---	---	---	PACE
MW-3	02/15/94	8.25	6.60	---	1.65	140	2.3	5.7	ND<0.5	ND<0.5	ND<0.5	---	90	ND	3.9	PACE
MW-3	05/11/94	8.25	5.86	---	2.39	190	2500	2.7	1.9	ND<0.5	1.9	51	(d) ND<5000	ND	9 2	PACE
MW-3	08/01/94	8.25	6.13	---	2.12	120	1300	1.3	ND<0.5	0.5	1.1	---	ND<5000	ND	2.9	PACE
MW-3	10/18/94	8.25	6.39	---	1.86	100	2200	2.3	ND<0.5	ND<0 5	ND<0.5	---	ND<5000	ND	3.6	PACE
MW-3	01/13/95	8.25	5.47	---	2.78	ND<50	970	0.8	ND<0.5	ND<0.5	ND<1	---	---	ND	7.7	ATI
MW-3	04/13/95	8.25	5.17	---	3.08	530	ND<500	8.7	1.9	ND<0.5	3.9	---	2100	ND	8.4	ATI
MW-3	07/11/95	8.25	5.37	---	2.88	78	2100	0.57	ND<0.50	ND<0.50	ND<1.0	---	1900	ND	8.3	ATI
MW-3	11/02/95	8.25	6.29	---	1.96	250	2000	0.73	ND<0.50	ND<0.50	1.8	270	1400	ND	8.3	ATI
MW-3	02/05/96	8.25	5.80	---	2.45	ND<50	1600	ND<0.5	ND<1	ND<1	2.7	11	9000	ND	3.5	SPL
MW-3	04/24/96	8.25	5.69	---	2.56	ND<50	2800	ND<5	ND<10	ND<10	ND<10	150	6000	ND	8.6	SPL
MW-3	07/15/96	8.25	6.18	---	2.07	ND<250	3700	ND<2.5	ND<5	ND<5	ND<5	ND<50	1000	ND	7.7	SPL
MW-3	07/30/96	8.25	6.04	---	2 21	---	---	---	---	---	---	---	---	---	---	---
MW-3	11/04/96	8.25	7.84	---	0.41	---	---	---	---	---	---	---	---	---	---	---
MW-3	11/05/96	8.25	---	---	---	90	890	ND<0.5	ND<1.0	ND<1.0	ND<1.0	30	2000	ND	6.8	SPL
MW-3	05/17/97	8 25	6.49	---	1.76	ND<50	2100	ND<0.5	ND<1.0	ND<1 0	ND<1.0	52	700	ND	6.3	SPL
MW-3	08/11/97	8.25	6.15	---	2.10	490	1900	ND<2.5	ND<5.0	ND<5 0	ND<5.0	170	ND<5000	ND	7.4	SPL
MW-3	11/17/97	8.25	7.15	---	1.10	120	2500	ND<0.5	ND<1.0	ND<1.0	ND<1.0	46	ND<5000	ND	7.0	SPL
MW-3	01/29/98	8.25	5.10	---	3.15	270	1700	0.53	ND<1.0	ND<1.0	ND<1.0	330	2000	ND	6.4	SPL
MW-3	06/22/98	8.25	5.50	---	2.75	200	2200	ND<0.5	ND<1.0	ND<1.0	ND<1.0	130	ND<5	ND	5.5	SPL
MW-3	12/30/98	8 25	6 68	---	1.57	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/09/99	8.25	5.53	---	2.72	60	840	ND<1.0	ND<1.0	ND<1.0	ND<1.0	19	7600	---	---	SPL
MW-3	06/23/99	8.25	6.60	---	1.65	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/23/99	8.25	6.17	---	2.08	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/28/99	8.25	6.00	---	2.25	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/22/00	8.25	4.77	---	3.48	690	ND<58	4.2	3.1	0.81	2.7	2900	13000	---	---	PACE
MW-3	05/26/00	8.25	5.28	---	2.97	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/15/00	8.25	5.58	---	2 67	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/11/00	8.25	(i) 11.74	---	-3 49	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-4	11/04/92	8.12	6.66	---	1.46	340	---	4.5	ND<0.5	4.3	ND<0.5	---		---	---	---	PACE
MW-4	10/12/93	8.12	6.87	---	1.25	160	---	5.8	1.4	0.8	2.7	---		---	---	---	PACE
MW-4	02/15/94	8 12	6.61	---	1.51	110	---	4.4	0.7	ND<0.5	2.5	120	(d)	---	---	4.3	PACE
MW-4	05/11/94	8.12	5.89	---	2.23	120	---	0.5	0.8	ND<0.5	ND<0.5	140	(d)	---	---	9.3	PACE
MW-4	08/01/94	8.12	6.87	---	1.25	140	---	0.7	2.0	5.2	15	---		---	---	3.3	PACE
MW-4	10/18/94	8.12	6.62	---	1.50	140	---	3.5	ND<0.5	0.5	ND<0.5	---		---	---	3.0	PACE
MW-4	01/13/95	8.12	7.27	---	0.85	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	7.9	ATI
MW-4	04/13/95	8.12	6.51	---	1.61	73	---	1.2	ND<0.5	ND<0.5	ND<1	---		---	---	9.9	ATI
MW-4	07/11/95	8.12	6.21	---	1.91	82	---	0.57	ND<0.50	ND<0.50	ND<1.0	---		---	---	7.2	ATI
MW-4	11/02/95	8.12	6.78	---	1.34	71	---	1.4	0.96	0.99	2.8	140		---	---	8 6	ATI
MW-4	02/05/96	8.12	6.41	---	1.71	ND<50	---	ND<5	ND<10	ND<10	ND<10	200		---	---	4.4	SPL
MW-4	04/24/96	8.12	6.18	---	1.94	ND<250	---	ND<2 5	ND<5	ND<5	ND<5	510		---	---	8.3	SPL
MW-4	07/15/96	8.12	6.63	---	1.49	ND<50	---	5.7	ND<1	ND<1	ND<1	550		---	---	7.4	SPL
MW-4	07/30/96	8.12	6.34	---	1.78	---	---	---	---	---	---	---		---	---	---	---
MW-4	11/04/96	8.12	8.27	---	-0.15	---	---	---	---	---	---	---		---	---	---	---
MW-4	11/05/96	8.12	---	---	---	460	---	ND<2.5	11	ND<5.0	ND<5.0	620/610	(f)	---	---	7.3	SPL
MW-4	05/17/97	8.12	7.00	---	1.12	---	---	---	---	---	---	---		---	---	---	---
MW-4	08/11/97	8.12	6.81	---	1.31	---	---	---	---	---	---	---		---	---	---	---
MW-4	11/17/97	8.12	9.19	---	-1.07	840	---	ND<0.5	ND<1.0	ND<1 0	ND<1.0	880		---	---	7.3	SPL
MW-4	01/29/98	8.12	7.94	---	0.18	---	---	---	---	---	---	---		---	---	---	---
MW-4	06/22/98	8.12	7.49	---	0.63	---	---	---	---	---	---	---		---	---	---	---
MW-4	12/30/98	8.12	8.21	---	-0.09	---	---	---	---	---	---	---		---	---	---	---
MW-4	03/09/99	8.12	7.70	---	0.42	1200	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2000		---	---	---	SPL
MW-4	06/23/99	8.12	8.81	---	-0.69	---	---	---	---	---	---	---		---	---	---	---
MW-4	09/23/99	8.12	8.32	---	-0.20	---	---	---	---	---	---	---		---	---	---	---
MW-4	12/28/99	8 12	8.21	---	-0.09	---	---	---	---	---	---	---		---	---	---	---
MW-4	03/22/00	8.12	6.74	---	1.38	910	---	ND<0.5	ND<0.5	0.54	1.7	3800		---	---	---	PACE
MW-4	05/26/00	8.12	5.13	---	2.99	---	---	---	---	---	---	---		---	---	---	---
MW-4	09/15/00	8.12	8.20	---	-0.08	---	---	---	---	---	---	---		---	---	---	---
MW-4	12/11/00	8.12	8.31	---	-0.19	---	---	---	---	---	---	---		---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-5	10/12/93	7.69	6.01	—	1.68	---	---	—	---	—	—	—		---	---	---	---
MW-5	10/13/93	7.69	---	---	---	2300	—	160	10	ND<0.5	26	—		---	---	---	PACE
MW-5	02/15/94	7.69	5.74	---	1.95	5100	---	710	16	33	35	100	(d)	---	---	4.0	PACE
MW-5	05/11/94	7.69	5.28	---	2.41	11000	—	1100	39	110	57	160	(d)	---	---	8.0	PACE
MW-5	08/01/94	7.69	5.84	---	1.85	9000	—	730	35	61	41	200	(d)	---	---	2.6	PACE
MW-5	10/18/94	7.69	6.01	---	1.68	7800	---	330	30	27	27	---		---	---	5.6	PACE
MW-5	01/13/95	7.69	4.74	---	2.95	ND<500	---	290	6	ND<5	18	---		---	---	6 8	ATI
MW-5	04/13/95	7.69	5.50	—	2.19	9100	---	400	15	52	27	—		---	---	7.4	ATI
MW-5	07/11/95	7.69	5.75	—	1.94	7300	---	390	13	28	23	---		---	—	7.2	ATI
MW-5	11/03/95	7.69	6.65	---	1.04	7200	---	270	15	38	23	200		---	---	8.4	ATI
MW-5	02/05/96	7.69	4.83	—	2.86	4600	—	370	15	53	28	ND<50		---	—	1 9	SPL
MW-5	04/24/96	7.69	6.09	---	1.60	3000	—	180	ND<10	32	14	ND<100		---	---	8.1	SPL
MW-5	07/15/96	7.69	6.57	---	1.12	---	---	---	---	---	---	---		---	---	---	---
MW-5	07/16/96	7.69	---	---	---	ND<50	---	190	ND<10	31	16	ND<100		---	---	8.3	SPL
MW-5	07/30/96	7.69	5.61	---	2.08	---	---	---	---	---	---	---		---	---	---	---
MW-5	08/12/96	7.69	---	---	---	2000	—	150	12	25	18.2	ND<50		---	---	7.6	SPL
MW-5	11/04/96	7.69	8.25	---	-0.56	---	---	---	---	---	---	---		---	---	---	---
MW-5	11/05/96	7.69	---	---	---	5200	—	42	5.5	13	ND<5.0	1700		---	---	7.4	SPL
MW-5	05/17/97	7.69	6.95	---	0.74	80	—	0.56	ND<1.0	ND<1.0	ND<1 0	46		---	---	6.7	SPL
MW-5	08/11/97	7.69	6.72	---	0.97	2700	—	20	12	6.7	9.7	1900		---	---	8.5	SPL
MW-5	11/17/97	7.69	9.49	—	-1.80	8400	—	25	12	8 7	5.4	13000		---	---	7.9	SPL
MW-5	*01/29/98*	*7 69*	*7.88*	---	*-0.19*	*110000*	—	*2500*	*110*	*180*	*589*	*180000*		---	---	*6.8*	SPL
MW-5	06/22/98	7.69	7.40	---	0.29	4400	—	47	10	29	20.5	47		---	---	6.6	SPL
MW-5	12/30/98	7.69	6.13	---	1.56	6000	---	18	9.1	22	16	63/44	(f)	---	---	---	SPL
MW-5	03/09/99	7.69	4.79	---	2.90	4600	—	8.8	5.5	12	11	24		---	---	---	SPL
MW-5	06/23/99	7.69	5.95	---	1.74	3400	—	1500	8.9	54	87	7500		---	---	---	SPL
MW-5	09/23/99	7.69	5.43	---	2.26	2600	---	510	14	140	650	580		---	---	---	SPL
MW-5	12/28/99	7.69	5.30	---	2.39	3500	—	900	18	57	140	4800		---	---	---	PACE
MW-5 (h)	03/22/00	7.69	---	---	---	---	---	---	---	---	---	---		---	---	---	---
MW-5 (h)	05/26/00	7.69	---	---	---	---	---	---	---	---	---	---		---	---	---	---
MW-5 (h)	09/06/00	7.69	---	---	---	---	---	---	---	---	---	---		---	---	---	---
MW-5 (h)	09/15/00	7.69	---	---	---	---	---	---	---	---	---	---		---	---	---	---
MW-5 (h)	12/11/00	7.69	---	---	---	---	---	---	---	---	---	---		---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-6	10/12/93	8.52	6.59	—	1.93	63	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	PACE
MW-6	02/15/94	8.52	6.31	---	2.21	68	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	38	(d)	---	---	3.1	PACE
MW-6	05/11/94	8.52	6 15	—	2.37	68	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	48	(d)	---	—	8.7	PACE
MW-6	08/01/94	8.52	6.46	—	2.06	91	—	ND<0.5	ND<0.5	ND<0.5	0.6	---		---	---	2.4	PACE
MW-6	10/18/94	8.52	6.72	---	1.80	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	6.0	PACE
MW-6	01/13/95	8.52	5.95	---	2.57	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	7.0	ATI
MW-6	04/13/95	8.52	5.44	---	3.08	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	8.5	ATI
MW-6	07/11/95	8.52	5.68	---	2.84	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	8.4	ATI
MW-6	11/02/95	8.52	6.57	---	1.95	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	35		---	---	8.3	ATI
MW-6	02/05/96	8.52	6.27	—	2.25	ND<50	—	ND<5	ND<10	ND<10	ND<10	ND<100		---	—	2.2	SPL
MW-6	04/24/96	8.52	5.95	---	2.57	ND<250	—	ND<2.5	ND<5	ND<5	ND<5	62		---	—	8.0	SPL
MW-6	07/15/96	8.52	6.39	---	2.13	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	ND<50		—	---	8.0	SPL
MW-6	07/30/96	8.52	6.44	---	2.08	---	---	---	---	---	---	---		---	---	---	---
MW-6	11/04/96	8.52	8.05	—	0.47	---	—	---	---	---	---	---		---	---	---	---
MW-6	11/05/96	8.52	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		—	—	7.3	SPL
MW-6	05/17/97	8.52	6.75	---	1.77	---	—	---	---	---	---	---		---	---	---	---
MW-6	08/11/97	8.52	6.48	---	2.04	---	---	---	---	---	---	---		---	---	---	---
MW-6	11/17/97	8.52	9.27	---	-0.75	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		—	—	7.7	SPL
MW-6	01/29/98	8.52	7.98	---	0.54	---	—	---	---	---	---	---		---	---	---	---
MW-6	06/22/98	8 52	7.68	—	0.84	---	—	---	---	---	---	---		---	---	---	---
MW-6	12/30/98	8.52	6.98	---	1.54	---	—	---	---	---	---	---		---	---	---	---
MW-6	03/09/99	8.52	5.90	---	2.62	---	---	---	---	---	---	---		---	---	---	---
MW-6	06/23/99	8.52	6 93	---	1.59	---	---	---	---	---	---	---		---	---	---	---
MW-6	09/23/99	8.52	6.45	—	2.07	---	---	---	---	---	---	---		---	---	---	---
MW-6	12/28/99	8.52	6.33	---	2.19	---	---	---	---	---	---	---		---	---	---	---
MW-6	03/22/00	8.52	5.15	—	3.37	---	---	---	---	---	---	---		---	---	---	---
MW-6	05/26/00	8.52	5.72	---	2.80	---	---	---	---	---	---	---		---	---	---	---
MW-6	09/15/00	8.52	6.02	---	2.50	---	---	---	---	---	---	---		---	---	---	---
MW-6	12/11/00	8.52	6.20	—	2.32	---	---	---	---	---	---	---		---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-7	10/12/93	7.61	6.14	---	1.47	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.7	---	---	---	---	PACE
MW-7	02/15/94	7.61	5.88	---	1.73	78	---	ND<0.5	ND<0.5	ND<0.5	0.6	---	---	---	4.0	PACE
MW-7	05/11/94	7.61	5.76	---	1.85	70	---	ND<0.5	ND<0.5	ND<0.5	0.9	---	---	---	9.1	PACE
MW-7	08/01/94	7.61	5.97	---	1.64	77	---	ND<0.5	ND<0.5	ND<0.5	0 5	---	---	---	2.5	PACE
MW-7	10/18/94	7.61	6.24	---	1.37	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	6.3	PACE
MW-7	01/13/95	7.61	5.39	---	2.22	ND<50	---	ND<0.5	ND<0.5	ND<0 5	ND<1	---	---	---	8.2	ATI
MW-7	04/13/95	7.61	5.17	---	2.44	63	---	ND<0.5	ND<0.5	ND<0.5	1.4	---	---	---	8.4	ATI
MW-7	07/11/95	7.61	5.25	---	2.36	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	7 9	ATI
MW-7	11/02/95	7.61	6.19	---	1.42	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1 0	55	---	---	8.0	ATI
MW-7	02/05/96	7.61	5.69	---	1.92	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	40	---	---	1.9	SPL
MW-7	04/24/96	7 61	5.59	---	2.02	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	53	---	---	8.2	SPL
MW-7	07/15/96	7.61	6.07	---	1.54	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	ND<50	---	---	7 8	SPL
MW-7	07/30/96	7.61	6.04	---	1.57	---	---	---	---	---	---	---	---	---	---	---
MW-7	11/04/96	7.61	7.76	---	-0.15	---	---	---	---	---	---	---	---	---	---	---
MW-7	11/05/96	7.61	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.8	SPL
MW-7	05/17/97	7.61	6.42	---	1.19	---	---	---	---	---	---	---	---	---	---	---
MW-7	08/11/97	7.61	6.06	---	1 55	---	---	---	---	---	---	---	---	---	---	---
MW-7	11/17/97	7.61	9.07	---	-1.46	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.1	SPL
MW-7	01/29/98	7.61	7.44	---	0.17	---	---	---	---	---	---	---	---	---	---	---
MW-7	06/22/98	7.61	7.39	---	0.22	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/30/98	7.61	5.51	---	2.10	---	---	---	---	---	---	---	---	---	---	---
MW-7	03/09/99	7.61	5.57	---	2.04	---	---	---	---	---	---	---	---	---	---	---
MW-7	06/23/99	7.61	6.69	---	0.92	---	---	---	---	---	---	---	---	---	---	---
MW-7	09/23/99	7.61	6 23	---	1.38	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/28/99	7.61	6.08	---	1.53	---	---	---	---	---	---	---	---	---	---	---
MW-7	03/22/00	7.61	4.88	---	2.73	---	---	---	---	---	---	---	---	---	---	---
MW-7	05/26/00	7.61	5.42	---	2.19	---	---	---	---	---	---	---	---	---	---	---
MW-7	09/15/00	7.61	5.79	---	1.82	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/11/00	7.61	5.93	---	1.68	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-8	10/12/93	8.60	5.86	---	2.74	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
MW-8	02/15/94	8.60	5.50	---	3.10	380	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	3.3	PACE
MW-8	05/11/94	8.60	5.09	---	3.51	330	---	ND<0.5	1.2	ND<0 5	1.9	---	---	---	8.5	PACE
MW-8	08/01/94	8.60	5.20	---	3.40	260	---	ND<0.5	1.2	2.9	5.8	---	---	---	2.3	PACE
MW-8	10/18/94	8.60	5.70	---	2.90	82	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	6.4	PACE
MW-8	*01/13/95*	*8.60*	*4.96*	---	*3.64*	*ND<50*	---	*ND<0.5*	*ND<0.5*	*ND<0.5*	*ND<1*	---	---	---	*6.9*	*ATI*
MW-8	04/13/95	8.60	5.40	---	3.20	270	---	ND<0.5	ND<0.5	ND<0.5	4.4	---	---	---	8.4	ATI
MW-8	07/11/95	8.60	6.01	---	2.59	320	---	ND<0.50	ND<0.50	ND<0.50	3.5	---	---	---	8.0	ATI
MW-8	11/02/95	8.60	6.81	---	1.79	100	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	8 7	ATI
MW-8	02/05/96	8.60	6.12	---	2.48	ND<50	---	ND<5	ND<10	ND<10	ND<10	ND<100	---	---	1.5	SPL
MW-8	04/24/96	8.60	6.23	---	2.37	ND<50	---	ND<5	ND<10	ND<10	ND<10	ND<100	---	---	8 7	SPL
MW-8	07/15/96	8.60	6.70	---	1.90	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	ND<50	---	---	8.4	SPL
MW-8	07/30/96	8 60	6.64	---	1.96	---	---	---	---	---	---	---	---	---	---	---
MW-8	11/04/96	8.60	8 36	---	0.24	---	---	---	---	---	---	---	---	---	---	---
MW-8	11/05/96	8.60	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.2	SPL
MW-8	05/17/97	8.60	7.03	---	1.57	---	---	---	---	---	---	---	---	---	---	---
MW-8	08/11/97	8.60	6.05	---	2.55	---	---	---	---	---	---	---	---	---	---	---
MW-8	11/17/97	8.60	9.14	---	-0.54	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.7	SPL
MW-8	01/29/98	8.60	7.90	---	0.70	---	---	---	---	---	---	---	---	---	---	---
MW-8	06/22/98	8.60	7.72	---	0.88	---	---	---	---	---	---	---	---	---	---	---
MW-8 (h)	12/30/98	8.60	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8 (h)	03/09/99	8.60	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	06/23/99	8.60	4.70	---	3.90	---	---	---	---	---	---	---	---	---	---	---
MW-8	09/23/99	8.60	4.22	---	4.38	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/28/99	8.60	4.12	---	4.48	---	---	---	---	---	---	---	---	---	---	---
MW-8	*03/22/00*	*8.60*	*4.71*	---	*3.89*	---	---	---	---	---	---	---	---	---	---	---
MW-8	05/26/00	8.60	4.98	---	3.62	---	---	---	---	---	---	---	---	---	---	---
MW-8	09/15/00	8.60	4.62	---	3.98	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/11/00	8.60	4.77	---	3.83	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-9	10/12/93	8.08	5.66	0.08	2.48	---	---	---	---	---	---	---	---	---	---	---
MW-9	02/15/94	8.08	5.32	0.05	2.80	---	---	---	---	---	---	---	---	---	---	---
MW-9	05/11/94	8.08	5.57	---	2.51	---	---	---	---	---	---	---	---	---	---	---
MW-9	08/01/94	8.08	6.25	---	1.83	---	---	---	---	---	---	---	---	---	---	---
MW-9	10/18/94	8.08	5.59	0.13	2.59	---	---	---	---	---	---	---	---	---	---	---
MW-9	01/13/95	8.08	4.42	0.14	3.77	---	---	---	---	---	---	---	---	---	---	---
MW-9	04/13/95	8.08	4.06	0.11	4.10	---	---	---	---	---	---	---	---	---	---	---
MW-9	07/11/95	8.08	4.21	0.08	3.93	---	---	---	---	---	---	---	---	---	---	---
MW-9	11/02/95	8.08	5.22	0.05	2.90	---	---	---	---	---	---	---	---	---	---	---
MW-9	02/05/96	8.08	4.76	0.01	3.33	---	---	---	---	---	---	---	---	---	---	---
MW-9	04/24/96	8.08	4.62	0.09	3.53	---	---	---	---	---	---	---	---	---	---	---
MW-9	07/15/96	8.08	5.11	0.04	3.00	---	---	---	---	---	---	---	---	---	---	---
MW-9	07/30/96	8.08	5.15	---	2.93	---	---	---	---	---	---	---	---	---	---	---
MW-9	11/04/96	8.08	6.75	0.01	1.34	---	---	---	---	---	---	---	---	---	---	---
MW-9	05/17/97	8.08	5.42	---	2.66	97000	---	16000	7700	2300	18400	40000	---	---	7.0	SPL
QC-1 (e)	05/17/97	---	---	---	---	97000	---	16000	8200	2300	17300	39000	---	---	---	SPL
MW-9	08/11/97	8.08	5.37	---	2.71	71000	---	12000	340	2100	4300	26000	---	---	9.1	SPL
QC-1 (e)	08/11/97	---	---	---	---	100000	---	14000	360	3200	5790	27000	---	---	---	SPL
MW-9	11/17/97	8.08	5.62	Sheen	2.46	100000	---	22000	4800	3100	17900	32000	---	---	8.3	SPL
QC-1 (e)	11/17/97	---	---	---	---	100000	---	24000	5300	3500	19300	35000	---	---	---	SPL
MW-9	01/29/98	8.08	4.07	Sheen	4.01	250000	---	20000	21000	3100	18500	110000	---	---	6.6	SPL
QC-1 (e)	01/29/98	---	---	---	---	250000	---	20000	20000	3100	18400	110000	---	---	---	SPL
MW-9	06/22/98	8.08	4.28	---	3.80	280000	---	21000	18000	3800	21200	110000	---	---	5.8	SPL
QC-1 (e)	06/22/98	---	---	---	---	290000	---	20000	17000	3800	21200	110000	---	---	---	SPL
MW-9	12/30/98	8.08	4.95	---	3.13	150000	---	10000	3800	2000	9600	86000/89000 (f)	---	---	---	SPL
MW-9	03/09/99	8.08	3.95	---	4.13	82000	---	6800	570	1400	4700	100000	---	---	---	SPL
MW-9	06/23/99	8.08	5.12	---	2.96	41000	---	11000	820	2300	5200	92000	---	---	---	SPL
MW-9	09/23/99	8.08	4.74	---	3.34	57000	---	12000	5400	1900	9500	89000	---	---	---	SPL
MW-9	12/28/99	8.08	4.58	---	3.50	46000	---	15000	490	2500	3500	100000	---	---	---	PACE
MW-9	03/22/00	8.08	3.90	---	4.18	86000	---	18000	1800	2300	6800	120000	---	---	---	PACE
MW-9	05/26/00	8.08	4.15	---	3.93	82000	---	17000	680	1800	3800	100000	---	---	---	PACE
MW-9	09/06/00	8.08	4.47	---	3.61	100000	---	19000	280	2400	6400	84000	---	---	---	PACE
MW-9	09/15/00	8.08	4.34	---	3.74	---	---	---	---	---	---	---	---	---	---	---
MW-9	12/11/00	8.08	4.41	---	3.67	110000	---	14400	768	2610	6670	123000	---	---	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
QC-2 (g)	11/05/92	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	10/12/93	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	02/15/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	05/11/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	08/01/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	10/18/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	01/13/95	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	---	ATI
QC-2 (g)	04/13/95	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	---	ATI
QC-2 (g)	07/11/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
QC-2 (g)	11/02/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	---	ATI
QC-2 (g)	02/05/96	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL
QC-2 (g)	04/24/96	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL
QC-2 (g)	07/16/96	---	---	---	---	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
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
TOG	Total oil and grease
HVOC	Halogenated volatile organic compounds
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
---	Not analyzed/applicable/measurable
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories

NOTES:

(a) Top of casing elevations surveyed relative to an established benchmark with an elevation of 8.11 feet above mean sea level.

(b) Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.

(c) Detection limits vary; see laboratory report.

(d) A copy of the documentation for this data is included in Appendix C of Alisto report 10-061-07-004.

(e) Blind duplicate.

(f) EPA Methods 8020/8260 used.

(g) Travel blank.

(h) Inaccessible

(i) Depth to water anomalous, not used in contouring.

Analytical Appendix

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
900 Gemini Avenue
Houston, TX 77058
Phone. 281.488.1810
Fax. 281.488.4661

December 26, 2000

Mr. Scott Boor
Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112

RE: Lab Project Number: 8518974
Client Project ID: BP 11126

Dear Mr. Boor:

Enclosed are the analytical results for sample(s) received by the laboratory on December 18, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paula Kirtley
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Houston, TX 77058
Phone. 281.488 1810
Fax: 281 488.4661

Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112

Lab Project Number: 8518974
Client Project ID: BP 11126

Attn: Mr. Scott Boor
Phone:

Lab Sample No: 851668549 Project Sample Number: 8518974-001 Date Collected: 12/11/00
Client Sample ID: A Matrix: Water Date Received: 12/18/00

Parameters	Results	Units	PRL	Dilution	Analyzed	Analyst	CAS#	Ftnote	Limit
GC Volatiles									
GAS by Mod 8015, Water		Method: EPA 8015 Modified			Prep Method: EPA 8015 Modified				
Gasoline Range Organics	5500	ug/l	500	10.0	12/19/00 14:09	WRIC			
1,4-Difluorobenzene (S)	103	%		1.0	12/19/00 14:09	WRIC			
4-Bromofluorobenzene (S)	73	%		1.0	12/19/00 14:09	WRIC	460-00-4		
SW8021 Aromatics, Water		Method: EPA 8021			Prep Method: See analytical meth				
Benzene	1160	ug/l	2.50	5.0	12/18/00 21:34	WRIC	71-43-2		
Ethylbenzene	155.	ug/l	2.50	5.0	12/18/00 21:34	WRIC	100-41-4		
Toluene	47.1	ug/l	2.50	5.0	12/18/00 21:34	WRIC	108-88-3		
Xylene (Total)	292.	ug/l	2.50	5.0	12/18/00 21:34	WRIC	1330-20-7		
Methyl-tert-butyl ether	3900	ug/l	50.0	100	12/18/00 21:34	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	127	%		1.0	12/18/00 21:34	WRIC			
4-Bromofluorobenzene (S)	102	%		1.0	12/18/00 21:34	WRIC	460-00-4		

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900 Gemini Avenue
Houston, TX 77058
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Fax. 281.488.4661

Lab Project Number: 8518974
Client Project ID: BP 11126

Lab Sample No: 851668550 Project Sample Number: 8518974-002 Date Collected: 12/11/00
Client Sample ID: B Matrix: Water Date Received: 12/18/00

Parameters	Results	Units	PRL	Dilution	Analyzed	Analyst	CAS#	Ftnote	Limit
GC Volatiles									
GAS by Mod 8015, Water		Method: EPA 8015 Modified			Prep Method: EPA 8015 Modified				
Gasoline Range Organics	110000	ug/l	12000	250	12/19/00 14:27	WRIC			
1,4-Difluorobenzene (S)	106	%		1.0	12/19/00 14:27	WRIC			
4-Bromofluorobenzene (S)	77	%		1.0	12/19/00 14:27	WRIC	460-00-4		
SW8021 Aromatics, Water		Method: EPA 8021			Prep Method: See analytical meth				
Benzene	14400	ug/l	125.	250	12/19/00 14:27	WRIC	71-43-2		
Ethylbenzene	2610	ug/l	125.	250	12/19/00 14:27	WRIC	100-41-4		
Toluene	768.	ug/l	125.	250	12/19/00 14:27	WRIC	108-88-3		
Xylene (Total)	6670	ug/l	125.	250	12/19/00 14:27	WRIC	1330-20-7		
Methyl-tert-butyl ether	123000	ug/l	125.	250	12/19/00 14:27	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	105	%		1.0	12/19/00 14:27	WRIC			
4-Bromofluorobenzene (S)	95	%		1.0	12/19/00 14:27	WRIC	460-00-4		

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900 Gemini Avenue
Houston, TX 77058
Phone. 281.488.1810
Fax: 281.488 4661

Lab Project Number: 8518974
Client Project ID: BP 11126

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
(S)	Surrogate

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 8518974
Client Project ID: BP 11126

QC Batch: 46692
QC Batch Method: See analytical meth
Analysis Method: EPA 8021
Analysis Description: SW8021 Aromatics, Water
Associated Lab Samples: 851668549 851668550

METHOD BLANK: 851668572
Associated Lab Samples: 851668549 851668550

Parameter	Units	Method Blank Result	PRL	Footnotes
Benzene	ug/l	ND	0.5	
Ethylbenzene	ug/l	ND	0.5	
Toluene	ug/l	ND	0.5	
Xylene (Total)	ug/l	ND	0.5	
Methyl-tert-butyl ether	ug/l	ND	0.5	
1,4-Difluorobenzene (S)	%	93		
4-Bromofluorobenzene (S)	%	95		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851668574 851668575

Parameter	Units	851668504	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/l	0.1500	50.00	43.56	87	41.63	83	5	
Ethylbenzene	ug/l	0.1590	50.00	46.88	93	44.79	89	5	
Toluene	ug/l	0.4000	50.00	44.44	88	42.43	84	5	
Xylene (Total)	ug/l	0.8207	150.00	142.2	94	136.2	90	4	
Methyl-tert-butyl ether	ug/l	0	50.00	46.24	92	45.61	91	1	
1,4-Difluorobenzene (S)					94		94		
4-Bromofluorobenzene (S)					96		96		

LABORATORY CONTROL SAMPLE: 851668573

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Benzene	ug/l	50	55.03	110	
Ethylbenzene	ug/l	50	57.07	114	
Toluene	ug/l	50	56.14	112	
Xylene (Total)	ug/l	100	115.4	115	

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900 Gemini Avenue
Houston, TX 77058
Phone: 281 488.1810
Fax. 281 488 4661

QUALITY CONTROL DATA

Lab Project Number: 8518974
Client Project ID: BP 11126

LABORATORY CONTROL SAMPLE: 851668573

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Methyl-tert-butyl ether	ug/l	50	54.13	108	
1,4-Difluorobenzene (S)				95	
4-Bromofluorobenzene (S)				96	

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Fax: 281.488 4661

QUALITY CONTROL DATA

Lab Project Number: 8518974
Client Project ID: BP 11126

QC Batch: 46693
QC Batch Method: EPA 8015 Modified
Analysis Method: EPA 8015 Modified
Analysis Description: GAS by Mod 8015, Water
Associated Lab Samples: 851668549 851668550

METHOD BLANK: 851668576
Associated Lab Samples:
851668549 851668550

Parameter	Units	Method Blank Result	PRL	Footnotes
Gasoline Range Organics	ug/l	ND	50	
1,4-Difluorobenzene (S)	%	96		
4-Bromofluorobenzene (S)	%	72		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851668645 851668646

Parameter	Units	851668560	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Gasoline Range Organics	ug/l	65.66	900.00	825.3	84	956.6	99	15	
1,4-Difluorobenzene (S)					99		99		
4-Bromofluorobenzene (S)					83		85		

LABORATORY CONTROL SAMPLE: 851668577

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Gasoline Range Organics	ug/l	1000	914.0	91	
1,4-Difluorobenzene (S)				103	
4-Bromofluorobenzene (S)				88	

REPORT OF LABORATORY ANALYSIS

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www.pacelabs.com

Pace Analytical Services, Inc.
900 Gemini Avenue
Houston, TX 77058
Phone 281.488.1810
Fax: 281.488.4661

Lab Project Number: 8518974
Client Project ID: BP 11126

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

CHAIN OF CUSTODY

Page ___ of ___

CONSULTANT'S NAME	CONSULTANT'S ADDRESS
Blaine Tech Services, Inc.	1680 Rogers Ave., San Jose CA 95112

BP SITE NUMBER	BP SITE / FACILITY ADDRESS	CONSULTANT PROJECT NUMBER
11126	1700 Powell St., Emeryville	0012.11-SC

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
Scott Boor	(408) 573-0555 x 223	(408) 573-7771	J264134

BP CONTACT	BP ADDRESS	PHONE NUMBER	FAX NO.
Scott Hooton	295 SW 41st Street, Suite N, Renton WA	(425) 251-0689	(425) 251-0736

LAB CONTACT	LABORATORY ADDRESS	PHONE NUMBER	FAX NO.
Pace - Paula Kirtley	900 Gemini Ave., Houston, TX 77058	(281) 488-1810	(281) 488-4661

BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)	RUSH REQUESTED OF (Print Consultant Contact Name)	DATE/TIME	SHIPMENT DATE	SHIPMENT METHOD

TAT: ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ Standard 7 or 14 Days

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL)	PRESERVATIVE LAB SAMPLE #	TPH-G + BTEX / MTBE (8015M) (8020)	TPH-D (8015M)	FUEL OXYGENATES (8260)	1,2 DCA + EDB (8010)							COMMENTS
A	12/11/00	1100	water	3	40ML	HCL	X										8516485719
B		1125					X										50
C							X										

SAMPLED BY (Please Print Name): Stephen Whisenhunt

SAMPLED BY (Signature): [signature]

ADDITIONAL COMMENTS: 5.8°C

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME
Stephen Whisenhunt / [signature]					
			Christina Mathes/PACE	12/18/00	1245

Field
Data
Sheets

WELL GAUGING DATA

Project # [illegible] Date 12/11/00 Client BP [illegible]

Site 1730 Powell St. Emeryville, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2	P				5.82	11.31	TOC	
MW-2	2					4.79	10.56		
MW-3	2					11.94	11.98		
MW-4	2					8.31	10.92		
MW-5			"Inaccessible well	paved over"					
MW-6	2					6.20	13.44		
MW-7	2					5.93	13.94		
MW-8	2					4.77	13.79		
MW-9	4	P				4.41	13.90		

BP WELL MONITORING DATA SHEET

Project #: 603411-51	Station # MW-6
Sampler: Stephen	Date: 12/11/00
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8
Total Well Depth: 16.31	Depth to Water: 5.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC 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	radius² * 0.163

Purge Method: Bailer / ~~Disposable Bailer~~ / Middleburg / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Other: _____

1.58 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.64 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1051	64.3	6.1	1121	1	Turbid
1053	62.5	6.5	1192	2	"
1055	63.1	6.6	1246	3	"

Did well dewater? Yes ~~No~~ Gallons actually evacuated: 3

Sampling Time: 1100 Sampling Date: 12/11/00

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

BP WELL MONITORING DATA SHEET

Project #: [illegible]	Job # 6126
Sampler: Stephen	Date: 10/21/00
Well I.D.: MW-5	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Extraction Pump, Other: ____

Sampling Method: Bailer, ~~Disposable Bailer~~, Extraction Port, Other: ____

____ (1 Case Volume (Gals.)) X 3 (Specified Volumes) = ____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
			" Inaccessible	well "		
			" paved	over "		

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date: 10/21/00	
Sample I.D.:		Laboratory: SPL	Other Place
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 #: [illegible]	Job # 1126
Sampler: [illegible]	Date: 12/12/00
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.50	Depth to Water: 4.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- ~~Electric Submersible~~
- Extraction Pump
- Other: ____

Sampling Method:
- Bailer
- ~~Disposable Bailer~~
- Extraction Port
- Other: ____

6.10	X	3	=	18.30 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1119	63.7	6.8	2300	[illegible]	6.10	clear, odor
1119	66.3	6.9	2053	—	12.20	"
1125	66.5	6.9	2107	—	18.30	"

Did well dewater? Yes (No)		Gallons actually evacuated: 18	
Sampling Time: 1125		Sampling Date: 12/12/00	
Sample I.D.: [illegible]		Laboratory: SPL	Other [illegible]
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