RO-489

URS

February 24, 2003

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

Re: **Fourth Quarter 2002 Groundwater Monitoring Report**
Former BP Service Station #11107
18501 Hesperian Blvd
San Lorenzo, California
URS Project #38486234

Dear Mr. Gholami:

On behalf of BP (an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Fourth Quarter 2002 Groundwater Monitoring Report* for the Former BP Service Station #11107, located at 18501 Hesperian Boulevard, San Lorenzo, California.

If you have any questions regarding this submission, please call (510) 874-1720.

Sincerely,

URS CORPORATION

Leonard P. Niles

Leonard P. Niles, R.G./C.H.G.
Senior Geologist

CERTIFIED HYDROGEOLOGIST
LEONARD P. NILES
NO. HG357
EXP. 3/31/04
STATE OF CALIFORNIA

Attachment: Fourth Quarter 2002 Groundwater Monitoring Report

cc: Mr. Scott Hooton, BP Oil Company, Environmental Resources Management, 295 SW 41st Street, Building 13, Suite N, Renton, Washington 98055-4931
Ms. Liz Sewell, Risk Management and Remediation Group, Tosco, 76 Broadway Avenue, Sacramento, California 95212

URS Corporation
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510.893.3600
Fax: 510.874.3268

REPORT

FOURTH QUARTER 2002 GROUNDWATER MONITORING

FORMER BP SERVICE STATION #11107
18501 HESPERIAN BLVD
SAN LORENZO, CALIFORNIA

Prepared for
BP GEM

February 24, 2003

URS Corporation
500 12th Street, Suite 200
Oakland, California 94607

38486234

URS

Date: February 24, 2003
Quarter: 4Q 02

BP GEM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	11107	Address:	18501 Hesperian Blvd, San Lorenzo, CA
BP Environmental Engineer:			Scott Hooton
Consulting Co./Contact Person:			URS Corporation/ Leonard Niles
Consultant Project No.:			38486234
Primary Agency/Regulatory ID No.:			Alameda County Health Care Services

WORK PERFORMED THIS QUARTER (Fourth – 2002):

1. Performed fourth quarter 2002 groundwater monitoring event on October 16, 2002.
2. Prepared and submitted third quarter 2002 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (First – 2003):

1. Perform first quarter 2003 groundwater monitoring event.
2. Prepare and submit fourth quarter 2002 groundwater monitoring report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-4 through MW-6, quarterly
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None currently
Approximate Depth to Groundwater:	16.38 (MW-6) to 18.32 (MW-1) feet
Groundwater Gradient (direction):	West-northwest
Groundwater Gradient (magnitude):	0.003 feet per foot

DISCUSSION:

TPH-g and benzene were not detected in the three wells sampled this quarter. MTBE was detected in two of the three wells at concentrations of 16 µg/L (MW-4) and 52 µg/L (MW-5). Groundwater elevations across the site decreased by an average of approximately 0.25 feet this quarter, and the groundwater flow direction was to the west-northwest at a calculated hydraulic gradient of 0.003 feet per foot.

URS

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – October 16, 2002
- Attachment A – Concentration and Water Level Trends (MW-5)
- Attachment B – Field Procedures and Field Data Sheets
- Attachment C – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment D - EDCC Report and EDF/Geowell Submittal Confirmation

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-1	11/04/1992	41.07	20.78	20.29	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	ND<5000	2.8	ND	---	PACE
QC-1 (c)	11/04/1992	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	---	---	---	---	PACE
MW-1	02/24/1994	41.07	20.70	20.37	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	ND<5000	1.5	0.9	---	PACE
MW-1	05/12/1994	41.07	18.12	22.95	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	ND<5000	1.0	ND<0.5	7	PACE
MW-1	09/09/1994	41.07	21.74	19.33	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	ND<5000	ND<0.5	ND<0.5	2.3	PACE
MW-1	11/03/1994	41.07	20.01	21.06	ND<50	50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	ND<5000	ND<0.5	ND<0.5	4.3	PACE
MW-1	03/01/1995	41.07	17.44	23.63	ND<50	ND<500	ND<50	ND<0.50	ND<0.50	ND<1.0	---		420	0.54	0.3	2.3	ATI
MW-1	06/06/1995	41.07	17.55	23.52	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	09/01/1995	41.07	18.19	22.88	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		60	---	---	8.8	ATI
MW-1	11/29/1995	41.07	18.84	22.23	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	03/23/1996	41.07	16.97	24.10	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	9.6	SPL
MW-1	09/05/1996	41.07	17.74	23.33	110	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	3.6	SPL
MW-1	03/11/1997	41.07	17.62	23.45	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	5.2	SPL
MW-1	12/08/1997	41.07	16.30	24.77	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	---	---
MW-1	07/08/1998	41.07	16.66	24.41	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	12/07/1998	41.07	17.80	23.27	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	01/19/1999	41.07	17.18	23.89	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	04/23/1999	41.07	17.40	23.67	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	07/20/1999	41.07	17.76	23.31	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	02/29/2000	41.07	17.17	23.90	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	04/14/1900	41.07	17.22	23.85	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	07/24/2000	41.07	17.61	23.46	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	10/30/2000	41.07	17.76	23.31	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	01/11/2001	41.07	17.88	23.19	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	05/17/2001	41.07	17.82	23.25	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	07/02/2001	41.07	17.95	23.12	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	11/02/2001	41.07	18.25	22.82	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	8/6/2002*	41.07	17.93	23.14	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	**10/16/2002**	**41.07**	**18.32**	**22.75**	---	---	---	---	---	---	---		---	---	---	---	---

Table 1
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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-2	11/04/1992	40.56	20.16	20.40	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	---	---	---	---	PACE
MW-2	02/24/1994	40.56	20.12	20.44	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	---	PACE
MW-2	05/12/1994	40.56	17.49	23.07	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	7.4	PACE
MW-2	09/09/1994	40.56	21.12	19.44	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	2.1	PACE
MW-2	11/03/1994	40.56	19.36	21.20	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	4.2	PACE
MW-2	03/01/1995	40.56	16.83	23.73	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	2.2	ATI
MW-2	06/06/1995	40.56	16.96	23.60	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	09/01/1995	40.56	17.54	23.02	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	7.9	ATI
MW-2	11/29/1995	40.56	18.19	22.37	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	03/23/1996	40.56	16.35	24.21	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	---	8.5	SPL
MW-2	09/05/1996	40.56	17.55	23.01	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	3.2	SPL
MW-2	03/11/1997	40.56	16.95	23.61	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	2.9	SPL
MW-2	12/08/1997	40.56	16.01	24.55	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	3.0	SPL
MW-2	07/08/1998	40.56	16.41	24.15	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	12/07/1998	40.56	17.15	23.41	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	01/19/1999	40.56	17.15	23.41	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	04/23/1999	40.56	16.89	23.67	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	07/20/1999	40.56	17.25	23.31	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	12/30/1999	40.56	17.44	23.12	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	02/29/2000	40.56	16.13	24.43	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	04/14/1900	40.56	16.88	23.68	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	07/24/2000	40.56	17.11	23.45	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	10/30/2000	40.56	17.12	23.44	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	01/11/2001	40.56	17.28	23.28	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	05/17/2001	40.56	17.20	23.36	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	07/02/2001	40.56	17.45	23.11	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	11/02/2001	40.56	17.62	22.94	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	8/6/2002*	40.56	17.42	23.14	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	**10/16/2002**	**40.56**	**17.74**	**22.82**	---	---	---	---	---	---	---		---	---	---	---	---

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-3	11/04/1992	40.45	20.23	20.22	760	---	3.7	15	1.9	57	---	(j)	---	---	---	---	PACE
MW-3	02/24/1994	40.45	20.24	20.21	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	30.66	(j)	---	---	---	---	PACE
MW-3	05/12/1994	40.45	17.61	22.84	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.11	(j)	---	---	---	7.3	PACE
MW-3	09/09/1994	40.45	21.22	19.23	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	2	PACE
MW-3	11/03/1994	40.45	19.48	20.97	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10.98	(j)	---	---	---	3.6	PACE
MW-3	03/01/1995	40.45	17.08	23.37	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	1.9	ATI
MW-3	06/06/1995	40.45	17.21	23.24	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	09/01/1995	40.45	17.69	22.76	200	---	2.7	33	7.2	43	ND<5.0		---	---	---	7.8	ATI
MW-3	09/01/1995	40.45	18.29	22.16	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	03/23/1996	40.45	16.59	23.86	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	---	7.3	SPL
MW-3	09/05/1996	40.45	17.71	22.74	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	3.2	SPL
MW-3	03/11/1997	40.45	17.17	23.28	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	1.5	SPL
MW-3	12/08/1997	40.45	16.12	24.33	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	1.9	SPL
MW-3	07/08/1998	40.45	16.40	24.05	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	12/07/1998	40.45	17.32	23.13	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	01/19/1999	40.45	17.30	23.15	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	04/23/1999	40.45	17.07	23.38	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	07/20/1999	40.45	17.47	22.98	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	12/30/1999	40.45	17.60	22.85	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	02/29/2000	40.45	16.43	24.02	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	04/14/1900	40.45	17.09	23.36	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	07/24/2000	40.45	17.44	23.01	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	10/30/2000	40.45	17.29	23.16	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	01/11/2001	40.45	17.49	22.96	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	05/17/2001	40.45	17.45	23.00	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	07/02/2001	40.45	17.70	22.75	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	11/02/2001	40.45	17.82	22.63	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	8/6/2002*	40.45	17.62	22.83	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	**10/16/2002**	**40.45**	**17.82**	**22.63**	---	---	---	---	---	---	---		---	---	---	---	---

Table 1
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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-4	11/04/1992	39.24	19.18	20.06	900	---	150	4.1	0.8	53	— (j)	---	---	---	---	PACE
MW-4	02/24/1994	39.24	19.22	20.02	240	---	110	3.8	1.8	11	1433 (d)(j)	---	---	---	---	PACE
QC-1	(c) 02/24/1994	---	---	---	310	---	95	5.3	2.2	17	1479 (d)(j)	---	---	---	---	PACE
MW-4	05/12/1994	39.24	16.62	22.62	ND<50	---	2.2	1.0	ND<0.5	ND<0.5	862 (d)(j)	---	---	---	7.3	PACE
QC-1	(c) 05/12/1994	---	---	---	430	---	2.6	1.3	ND<0.5	ND<0.5	912 (d)(j)	---	---	---	---	PACE
MW-4	09/09/1994	39.24	20.27	18.97	240	---	9.1	1.3	0.6	2.5	397 (j)	---	---	---	2.2	PACE
QC-1	(c) 09/09/1994	---	---	---	57	---	1.7	ND<0.5	ND<0.5	0.5	83 (j)	---	---	---	---	PACE
MW-4	11/03/1994	39.24	18.46	20.78	250	---	3.1	2.8	1.0	3.3	319 (j)	---	---	---	3.2	PACE
QC-1	(c) 11/03/1994	---	---	---	110	---	2.4	ND<0.5	ND<0.5	ND<0.5	642 (j)	---	---	---	---	PACE
MW-4	03/01/1995	39.24	16.15	23.09	8900	---	1800	26	450	400	---	---	---	---	2.0	ATI
QC-1	(c) 03/01/1995	---	---	---	7600	---	1700	25	410	370	---	---	---	---	---	ATI
MW-4	06/06/1995	39.24	16.28	22.96	3100	---	(e) 530	25	170	85	—	---	---	---	---	ATI
QC-1	(c) 06/06/1995	---	---	---	3000	---	530	27	170	92	---	---	---	---	---	ATI
MW-4	(f) 09/01/1995	39.24	---	---	---	---	---	—	—	—	---	---	---	---	---	---
MW-4	11/29/1995	39.24	17.31	21.93	ND<50	---	1.8	ND<0.50	ND<0.50	ND<1.0	440	---	---	---	3.2	ATI
QC-1	(c) 11/29/1995	---	---	—	ND<50	---	1.5	ND<0.50	ND<0.50	ND<1.0	490	---	---	---	---	ATI
MW-4	03/23/1996	39.24	15.74	23.50	2700	—	480	ND<25	180	176	13000	---	---	---	7.8	SPL
MW-4	09/05/1996	39.24	16.75	22.49	1100	---	ND<12	ND<25	ND<25	ND<25	3200	---	---	---	4.0	SPL
MW-4	03/11/1997	39.24	16.10	23.14	2400	---	46	ND<10	66	106	3400	---	---	---	4.0	SPL
MW-4	12/08/1997	39.24	15.96	23.28	590	—	11	ND<1.0	ND<1.0	ND<1.0	1200	---	---	---	4.4	SPL
QC-1	(c) 12/08/1997	---	---	---	620	---	11	ND<1.0	ND<1.0	ND<1.0	1100	---	---	---	---	SPL
MW-4	07/08/1998	39.24	16.28	22.96	1700	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1200	---	---	---	3.9	SPL
QC-1	(c) 07/08/1998	---	---	—	1600	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1100	---	---	---	---	SPL
MW-4	12/07/1998	39.24	16.47	22.77	530	---	ND<2.5	ND<5.0	ND<5.0	ND<5.0	680/910 (h)	---	---	---	---	SPL
MW-4	01/19/1999	39.24	16.40	22.84	570	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	660	---	---	---	---	SPL
MW-4	04/23/1999	39.24	16.17	23.07	ND<50	—	ND<1.0	ND<1.0	1.8	1.3	1100/810 (h)	---	---	---	---	SPL
MW-4	07/20/1999	39.24	16.39	22.85	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	480	---	---	---	---	SPL
MW-4	12/30/1999	39.24	16.56	22.68	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	410	---	---	---	---	PACE
MW-4	02/29/2000	39.24	15.69	23.55	78 (i)	---	2.0	ND<0.5	0.77	2.8	1200	---	---	---	---	PACE
MW-4	04/14/2000	39.24	16.21	23.03	300	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	800	---	---	---	---	PACE
MW-4	07/24/2000	39.24	16.50	22.74	130	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	270	---	---	---	---	PACE
MW-4	10/30/2000	39.24	16.35	22.89	73	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	210	---	---	---	---	PACE
MW-4	01/11/2001	39.24	16.46	22.78	120	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	176	---	---	---	---	PACE
MW-4	05/17/2001	39.24	16.40	22.84	99	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	119	---	---	---	---	PACE
MW-4	07/02/2001	39.24	16.75	22.49	63	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	87.6	---	---	---	---	PACE

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11107
18501 Hesperian Boulevard
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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-4	11/02/2001	39.24	16.80	22.44	56	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	49.6	---	---	---	---	PACE
MW-4	8/6/2002*	39.24	16.60	22.64	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	14.4	---	---	---	---	PACE
MW-4	**10/16/2002**	**39.24**	**16.86**	**22.38**	**ND<50**	---	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**16**	---	---	---	---	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-5	06/06/1995	39.07	16.16	22.91	1100	---	(e) 42	ND<2.5	15	4.0	---	---	---	---	---	ATI
MW-5	09/01/1995	39.07	16.63	22.44	1600	---	55	ND<2.5	15	8.0	1200	---	---	---	7.4	ATI
QC-1	(c) 09/01/1995	---	---	---	1200	---	64	ND<2.5	14	3.1	---	---	---	---	---	ATI
MW-5	11/29/1995	39.07	17.19	21.88	2300	---	140	4.0	36	11	1500	---	---	---	4.1	ATI
MW-5	03/23/1996	39.07	15.54	23.53	90	---	2.8	ND<1	ND<1	ND<1	1500	---	---	---	7.5	SPL
MW-5	09/05/1996	39.07	16.72	22.35	2300	---	5.1	ND<1.0	ND<1.0	ND<1.0	3300	---	---	---	3.2	SPL
QC-1	(c) 09/05/1996	---	---	---	2000	---	4.9	ND<1.0	ND<1.0	ND<1.0	2900	---	---	---	---	SPL
MW-5	03/11/1997	39.07	16.12	22.95	470	---	ND<5.0	ND<5.0	ND<5.0	ND<5.0	580	---	---	---	3.0	SPL
QC-1	(c) 03/11/1997	---	---	---	460	---	ND<5.0	ND<5.0	ND<5.0	ND<5.0	540	---	---	---	---	SPL
MW-5	12/08/1997	39.07	15.85	23.22	370	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	840	---	---	---	3.0	SPL
MW-5	07/08/1998	39.07	16.11	22.96	430	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	330	---	---	---	2.5	SPL
MW-5	12/07/1998	39.07	16.27	22.80	220	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	290/410 (h)	---	---	---	---	SPL
MW-5	01/19/1999	39.07	16.31	22.76	490	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	490/440 (h)	---	---	---	---	SPL
MW-5	04/23/1999	39.07	16.00	23.07	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	310/210 (h)	---	---	---	---	SPL
MW-5	07/20/1999	39.07	16.36	22.71	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	470	---	---	---	---	SPL
MW-5	12/30/1999	39.07	16.53	22.54	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	550	---	---	---	---	PACE
MW-5	02/29/2000	39.07	15.45	23.62	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	280	---	---	---	---	PACE
MW-5	04/14/1900	39.07	16.10	22.97	81	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	240	---	---	---	---	PACE
MW-5	07/24/2000	39.07	16.50	22.57	250	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	570	---	---	---	---	PACE
MW-5	10/30/2000	39.07	16.23	22.84	140	---	ND<0.5	0.7	ND<0.5	1.1	360	---	---	---	---	PACE
MW-5	01/11/2001	39.07	16.41	22.66	420	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	585	---	---	---	---	PACE
MW-5	05/17/2001	39.07	16.45	22.62	360	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	419	---	---	---	---	PACE
MW-5	07/02/2001	39.07	16.65	22.42	210	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	264	---	---	---	---	PACE
MW-5	11/02/2001	39.07	16.73	22.34	130	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	134	---	---	---	---	PACE
MW-5	8/6/2002*	39.07	16.57	22.50	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	57.6	---	---	---	---	PACE
MW-5	**10/16/2002**	**39.07**	**16.73**	**22.34**	**ND<50**	**---**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**52**	**---**	**---**	**---**	**---**	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-6	03/01/1995	38.46	15.66	22.80	270	---	11	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	1.6	ATI
MW-6	06/06/1995	38.46	15.82	22.64	220	---	(e) 2.3	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	---	ATI
MW-6	09/01/1995	38.46	16.25	22.21	780	---	ND<2.5	ND<2.5	ND<2.5	ND<5.0	2800	---	---	---	7.5	ATI
MW-6	11/29/1995	38.46	16.80	21.66	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1100	---	---	---	3.9	ATI
MW-6	03/23/1996	38.46	15.27	23.19	50	---	ND<0.5	ND<1	ND<1	ND<1	910	---	---	---	8.0	SPL
MW-6	09/05/1996	38.46	16.30	22.16	4400	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	7400	---	---	---	3.0	SPL
MW-6	03/11/1997	38.46	15.75	22.71	1100	---	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2000	---	---	---	3.1	SPL
MW-6	12/08/1997	38.46	15.51	22.95	150	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	140	---	---	---	3.4	SPL
MW-6	07/08/1998	38.46	15.78	22.68	370	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	250	---	---	---	3.6	SPL
MW-6	12/07/1998	38.46	15.95	22.51	440	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	630/820 (h)	---	---	---	---	---
MW-6	01/19/1999	38.46	15.97	22.49	950	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	950/810 (h)	---	---	---	---	SPL
MW-6	04/23/1999	38.46	15.74	22.72	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	310/220 (h)	---	---	---	---	SPL
MW-6	07/20/1999	38.46	16.12	22.34	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1300	---	---	---	---	SPL
MW-6	12/30/1999	38.46	16.16	22.30	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	360	---	---	---	---	PACE
MW-6	02/29/2000	38.46	15.08	23.38	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	340	---	---	---	---	PACE
MW-6	04/14/1900	38.46	15.82	22.64	90	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	220	---	---	---	---	PACE
MW-6	07/24/2000	38.46	16.03	22.43	240	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	540	---	---	---	---	PACE
MW-6	10/30/2000	38.46	15.83	22.63	120	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	380	---	---	---	---	PACE
MW-6	01/11/2001	38.46	16.00	22.46	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.69	---	---	---	---	PACE
MW-6	05/17/2001	38.46	16.05	22.41	140	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	169	---	---	---	---	PACE
MW-6	07/02/2001	38.46	16.27	22.19	70	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	91.4	---	---	---	---	PACE
MW-6	11/02/2001	38.46	16.31	22.15	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	32.3	---	---	---	---	PACE
MW-6	8/6/2002*	38.46	16.14	22.32	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	6.73	---	---	---	---	PACE
MW-6	**10/16/2002**	**38.46**	**16.38**	**22.08**	**ND<50**	**---**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<2.5**	**---**	**---**	**---**	**---**	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-7	03/01/1995	39.50	16.21	23.29	1400	---	14	ND<1.0	14	27	---	---	---	---	1.8	ATI
MW-7	06/06/1995	39.50	16.34	23.16	540	---	(e) 5.5	ND<0.50	15	1.1	---	---	---	---	---	ATI
MW-7	09/01/1995	39.50	16.74	22.76	190	---	2.8	ND<0.50	5.0	ND<1.0	10	---	---	---	7.5	ATI
MW-7	11/29/1995	39.50	17.33	22.17	230	---	31	ND<0.50	3.8	1.9	ND<5.0	---	---	---	4.6	ATI
MW-7	03/23/1996	39.50	15.86	23.64	ND<50	---	5.0	ND<1	ND<1	ND<1	330	---	---	---	7.2	SPL
QC-1	(c) 03/23/1996	---	---	---	60	---	7.6	ND<1	ND<1	ND<1	360	---	---	---	---	SPL
MW-7	09/05/1996	39.50	16.80	22.70	200	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	430	---	---	---	3.1	SPL
MW-7	03/11/1997	39.50	18.32	21.18	120	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	140	---	---	---	4.7	SPL
MW-7	12/08/1997	39.50	16.02	23.48	240	---	0.8	ND<1.0	ND<1.0	ND<1.0	200	---	---	---	5.2	SPL
MW-7	07/08/1998	39.50	16.32	23.18	270	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	170	---	---	---	4.8	SPL
MW-7	12/07/1998	39.50	16.43	23.07	100	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	120	---	---	---	---	SPL
MW-7	01/19/1999	39.50	16.41	23.09	80	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	80	---	---	---	---	SPL
MW-7	04/23/1999	39.50	16.21	23.29	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	---	---	---	---	SPL
MW-7	07/20/1999	39.50	16.54	22.96	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	24	---	---	---	---	SPL
MW-7	12/30/1999	39.50	16.65	22.85	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	---	---	---	---	PACE
MW-7	02/29/2000	39.50	15.71	23.79	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.0	---	---	---	---	PACE
MW-7	04/14/2000	39.50	16.25	23.25	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.0	---	---	---	---	PACE
MW-7	07/24/2000	39.50	16.63	22.87	ND<50	---	1.1	0.5	ND<0.5	ND<0.5	3.1	---	---	---	---	PACE
MW-7	10/30/2000	39.50	16.35	23.15	ND<50	---	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	---	---	---	---	PACE
MW-7	01/11/2001	39.50	16.52	22.98	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
MW-7	05/17/2001	39.50	16.58	22.92	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	---	---	---	---	PACE
MW-7	07/02/2001	39.50	16.75	22.75	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.581	---	---	---	---	PACE
MW-7	11/02/2001	39.50	16.89	22.61	---	---	---	---	---	---	---	---	---	---	---	PACE
MW-7	8/6/2002*	39.50	16.65	22.85	---	---	---	---	---	---	---	---	---	---	---	PACE
MW-7	**10/16/2002**	**39.50**	**16.86**	**22.64**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

Table 1
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Former BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
QC-2	(g) 11/04/1992	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	---	---	---	---	PACE
QC-2	(g) 11/04/1992	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	---	---	---	---	PACE
QC-2	(g) 02/24/1994	---	---	---	---	---	---	---	---	---	ND<5.0	(j)	---	---	---	---	PACE
QC-2	(g) 03/01/1995	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	---		---	---	---	---	PACE
QC-2	(g) 05/12/1994	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	---	PACE
QC-2	(g) 09/09/1994	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	---	PACE
QC-2	(g) 11/03/1994	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	---	PACE
QC-2	(g) 06/06/1995	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	---	ATI
QC-2	(g) 09/01/1995	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	---	ATI
QC-2	(g) 11/29/1995	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	---	ATI
QC-2	(g) 03/23/1996	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	---	---	SPL

Table 1
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Former BP Service Station #11107
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ADDITIONAL ANALYSES

WELL ID	DATE OF SAMPLING/ MONITORING	1,2-DCA by 8010 (ug/L)	EDB by 8010 (ug/L)	1,2-DCA by 8260 (ug/L)	EDB by 8260 (ug/L)	MTBE by 8260 (ug/L)	DIPE by 8260 (ug/L)	ETBE by 8260 (ug/L)	TBA by 8260 (ug/L)	TAME by 8260 (ug/L)	LAB
MW-4	07/20/1999	ND<1.0	ND<1.0	ND<1.0	ND<1.0	590	ND<10	ND<5.0	ND<500	ND<5.0	SPL
MW-4	12/30/1999	---	---	ND<5.0	ND<5.0	280	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-4	02/29/2000	---	---	ND<20	ND<20	870	ND<20	ND<20	---	ND<20	PACE
MW-4	04/14/1900	---	---	ND<10	ND<10	730	ND<10	ND<10	---	ND<10	PACE
MW-4	07/24/2000	---	---	ND<1.0	ND<1.0	390	ND<5.0	ND<5.0	ND<50	ND<5.0	PACE
MW-4	10/30/2000	---	---	ND<5.0	ND<5.0	160	ND<5.0	ND<5.0	ND<50	ND<5.0	PACE
MW-4	01/11/2001	---	---	ND<1.0	ND<1.0	170	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-4	05/17/2001	---	---	ND<1.0	ND<1.0	91	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-4	07/02/2001	---	---	ND<1.0	ND<1.0	66	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-5	07/20/1999	---	---	---	---	490	ND<10	ND<10	ND<500	ND<10	SPL
MW-5	12/30/1999	---	---	---	---	470	ND<10	ND<10	---	ND<10	PACE
MW-5	02/29/2000	---	---	ND<5.0	ND<5.0	190	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-5	04/14/1900	---	---	---	---	200	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-5	07/24/2000	---	---	---	---	630	ND<5.0	ND<5.0	ND<50	ND<5.0	PACE
MW-5	10/30/2000	---	---	---	---	260	ND<10	ND<10	ND<100	ND<10	PACE
MW-5	01/11/2001	---	---	ND<1.0	ND<1.0	540	ND<1.0	ND<1.0	110	ND<1.0	PACE
MW-5	05/17/2001	---	---	---	---	320	ND<1.0	ND<1.0	31	ND<1.0	PACE
MW-5	07/02/2001	---	---	---	---	290	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-6	07/20/1999	---	---	---	---	1400	ND<10	ND<10	ND<500	ND<10	SPL
MW-6	12/30/1999	---	---	---	---	300	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-6	02/29/2000	---	---	ND<5.0	ND<5.0	240	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-6	04/14/1900	---	---	---	---	200	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-6	07/24/2000	---	---	---	---	600	ND<5.0	ND<5.0	62	ND<5.0	PACE
MW-6	10/30/2000	---	---	---	---	260	ND<10	ND<10	ND<100	ND<10	PACE
MW-6	01/11/2001	---	---	---	---	2.4	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-6	05/17/2001	---	---	---	---	130	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-6	07/02/2001	---	---	---	---	80	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

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
1,1,1-TCA	1,1,1-Trichloroethane
PCE	Tetrachloroethene
1,2-DCA	1,2-Dichloroethane
EDB	1,2-Bibromoethane
DIPE	Di-isopropyl Ether
ETBE	tert-Butyl Ethyl Ether
TBA	t-Butyl Alcohol
TAME	tert-Amyl Methyl Ether
DO	Dissolved oxygen
ug/L	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
---	Not measured/analyzed/applicable
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories
TOC	Top of Casing
DTW	Depth to Water
GWE	Groundwater Elevation

NOTES:

(a) Top of casing elevations surveyed relative to an established benchmark with an elevation of 39.95 feet above mean sea level.

(b) Groundwater elevations in feet above mean sea level.

(c) Blind duplicate.

(d) A copy of the documentation for this data is included in Appendix C of Alisto report 10-060-07-001.

(e) MTBE peak present. See documentation in Appendix C of Alisto report 10-060-07-001.

(f) Well inaccessible.

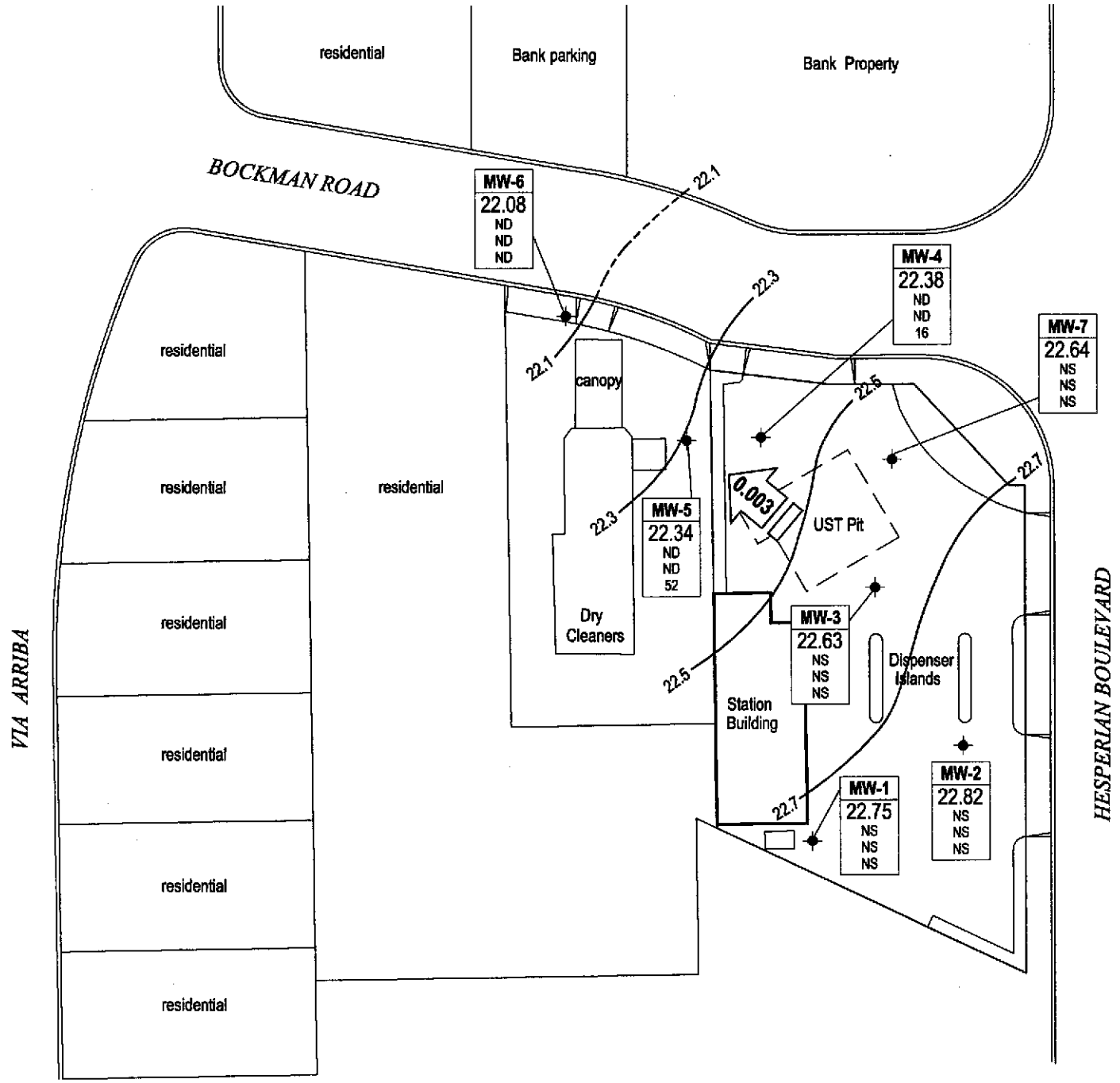
(g) Travel blank.

(h) MTBE by 8020/8260.

(i) Gasoline does not include MTBE.

(j) A copy of the documentation for this data is included in Blaine Tech Services report 010517-C-4. The MTBE data for the October 22 and 23, 1992 and November 4, 1992 sampling events have been destroyed.

* During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP. The data within this table collected prior to second quarter 2002 has not been verified by URS.



NORTH

0 60 120

SCALE IN FEET

EXPLANATION

- MW-1 — Monitoring well location
- Well / ELEV / TPH-g / Benzene / MTBE — Well Designation; Groundwater elevation; TPH-g, Benzene and MTBE concentrations (ppb)
- 0.003 — Approximate Groundwater flow direction and Gradient (feet/foot)
- 22.4 — Groundwater elevation contour line (ft/MSL) Dashed where inferred

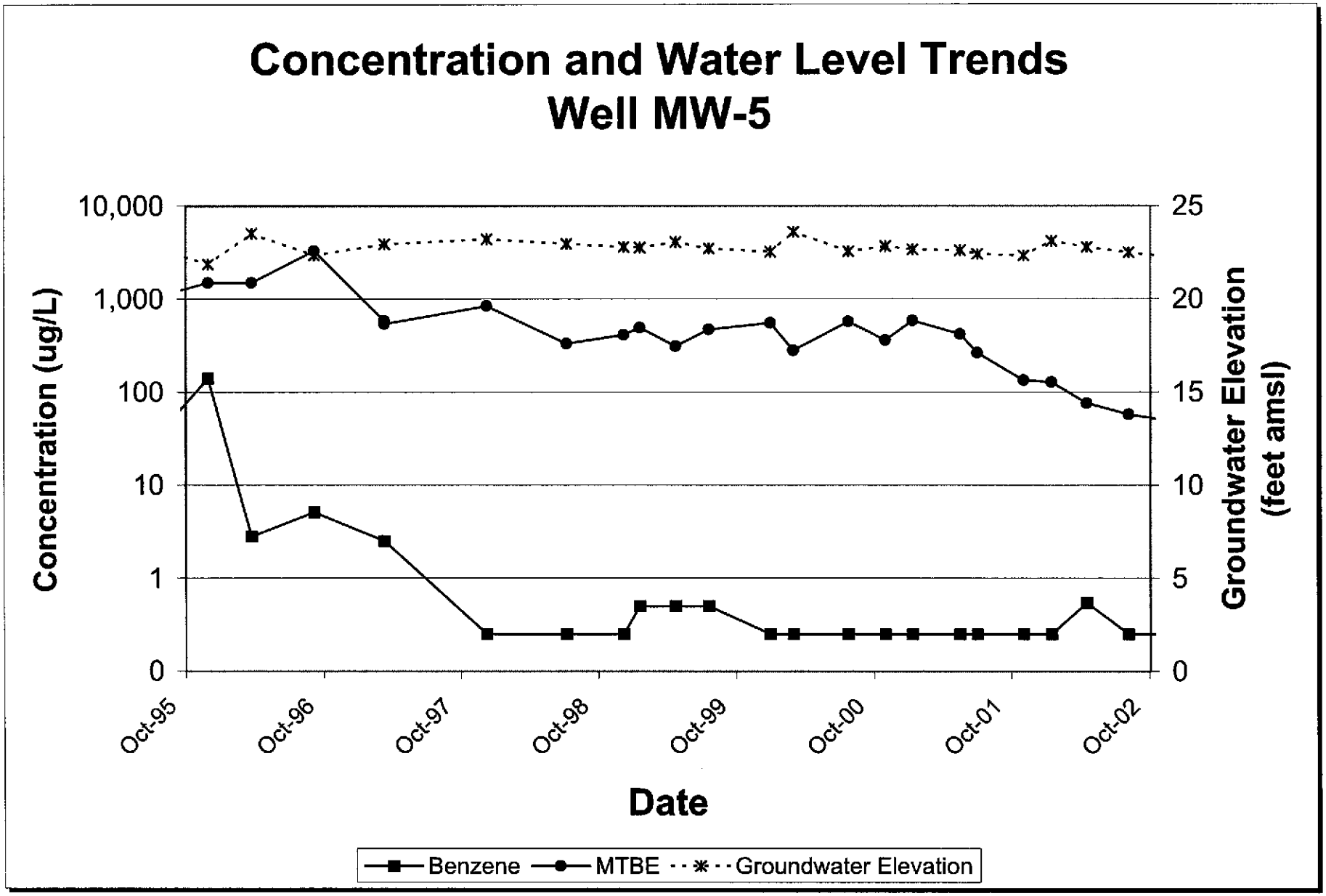
NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES.
SITE DIMENSIONS AND FIGURES FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38485952 Former BP Service Station #11107 18501 Hesperian Boulevard San Lorenzo, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Fourth Quarter 2002 (October 16, 2002)	FIGURE 1

X:\x_env_waste\BP GEMSites\RMH Sites\LNiles\11107\Reports\Monitoring\Qtr 4, 2002\GWEC-AS_10-16.dwg

ATTACHMENT A

CONCENTRATION AND WATER LEVEL TRENDS



Former BP Service Station #11107
18501 Hesperian Blvd
San Lorenzo, CA

Graph 1

URS Corporation

ATTACHMENT B

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 021016-BM2 Date 10/16/02 Client BP 11107

Site 18501 HESPERIAN BLVD, SAN LORENZO

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					18.32	30.41	TOC	GAUGE
MW-2	2					17.74	24.77		GAUGE
MW-3	2					17.82	24.83		GAUGE
MW-4	2					16.86	25.00		
MW-5	2					16.73	22.37		
MW-6	2					16.38	24.90		
MW-7	2					16.86	24.26		GAUGE

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 021016-BA2	Station # 11107
Sampler: Brian Allord	Date: 10/16/02
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 25.00	Depth to Water: 16.86
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: ___

Top of Screen: —

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1350	69.2	8.6	796	1.25	clear
1352	68.8	7.7	794	2.5	"
1354	68.5	7.2	786	3.75	"

Did well dewater? Yes (No) Gallons actually evacuated: 4

Sampling Time: 1400 Sampling Date: 10/16/02

Sample I.D.: MW-4 Laboratory: Pace (Sequoia) 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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 021016-BA2	Station # 11107
Sampler: Brian Alcorn	Date: 10/16/02
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 22.37	Depth to Water: 16.73
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: ____

Top of Screen: ____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

0.9 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 2.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1227	66.5	7.6	787	1	clouds brown
1230	66.8	7.0	806	2	clear
1233	67.1	6.9	807	3	"

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Time: 1240 Sampling Date: 10/16/02

Sample I.D.: MW-5 Laboratory: Pace (Sequoia) 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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 021016-BA2	Station # 11107
Sampler: Brian Allord	Date: 10/16/02
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 24.90	Depth to Water: 16.39
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	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / (Middleburg) / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

Top of Screen: ___ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1.4 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 4.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1408	68.1	7.4	782	1.5	cloudy brown
1411	67.5	7.0	790	3	clear
1414	67.5	7.0	790	4.5	clear

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Time: 1420 Sampling Date: 10/16/02

Sample I.D.: MW-6 Laboratory: Pace (Sequoia) 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

Chain of Custody Record

Project Name

BP BU/GEM CO Portfolio:

BP Laboratory Contract Number:

Date: 10/16/02 **Requested Due Date** (mm/dd/yy) Standard

On-site Time:	Temp:
Off- site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 18501 HESPERIAN, SAN LORENZO, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. 11107	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #: T0600101665	Consultant/Contractor Project No.:
Lab PM: Latonya Pelt	BP/GEM PM Contact: Scott Hooton	Consultant Tele/Fax: 510-874-3101 / 510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Robert Horwath
Report Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or (BP/GEM) (Circle one)
BP/GEM Account No.: 400-6-21124	Tele/Fax:	BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl			Requested Analysis: TPH-G / BTEX (8015 / 8021)	TPH-D (8015)	MTBE (8021)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)						Sample Point Lat/Long and Comments
1	MW-4	1400		X				3				X			X		X								
2	MW-5	1440		X				3				X			X		X								
3	MW-6	1420		X				3				X			X		X								
4																									
5																									
6																									
7																									
8																									
9																									
10																									

Sampler's Name: Brian Allard	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Burns Tech Services					
Shipment Date:					
Shipment Method:					
Shipment Tracking No:					

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

Custody Seals In Place Yes___ No___ Temperature Blank Yes___ No___ Cooler Temperature on Receipt ___ °F/C Trip Blank Yes___ No___

WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client BP Inspection Date 10/16/02

Site Address 18501 Hesperian Blvd, San Lorenzo Inspected By Brian Allord

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

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

Well I.D.	Deficiency	Corrective Action Taken
MW-2	Bad cap	Replaced 2"

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

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected
MW-1	Retap/Helicoil Bad cap/lock	Contact BTS for		
	Standing water above casing	Repairs		
MW-2	No lock Retap/Helicoil			
MW-3	Cement cracked/crumbling apart	BTS will replace		
MW-7	Retap/Helicoil	Caps & locks		
MW-4	Bad cap/lock			

MW-6 Missing one bolt
Retap/Helicoil

MW-5 Debris fell in well - loose dirt

BP GEM OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

11107

Station #

18501 Hesperian Blvd, San Lorenzo

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

12

added equip. rinse water 3

any other adjustments

TOTAL GALS. RECOVERED 15

loaded onto BTS vehicle # 14

BTS event # 021016-BA2

time 1445

date 10/16/02

signature

* *

REC'D AT

time

date

__/__/__

unloaded by signature

ATTACHMENT C

LABORATORY PROCEDURES, CERTIFIED ANALYTICAL REPORTS, AND CHAIN-OF-CUSTODY RECORDS

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by Group Environmental Management Company have been reviewed and verified by that laboratory.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

5 November, 2002

Robert Horwath
URS Corporation
500 12th Street, Suite 100
Oakland, CA 94607

RE: BP Heritage Site #11107, San Lorenzo, CA
Sequoia Report: MLJ0523

Enclosed are the results of analyses for samples received by the laboratory on 10/17/02 11:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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Morgan Hill, CA 95037
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URS Corporation	Project: BP Heritage Site #11107, San Lorenzo, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11107, San Lorenzo, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	11/05/02 14:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	MLJ0523-01	Water	10/16/02 14:00	10/17/02 11:55
MW-5	MLJ0523-02	Water	10/16/02 14:40	10/17/02 11:55
MW-6	MLJ0523-03	Water	10/16/02 14:20	10/17/02 11:55

Sequoia Analytical - Morgan Hill

Latonya K. Pelt

Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sequoia Analytical

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Morgan Hill, CA 95037
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www.sequoialabs.com

URS Corporation	Project: BP Heritage Site #11107, San Lorenzo, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11107, San Lorenzo, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	11/05/02 14:18

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MLJ0523-01) Water Sampled: 10/16/02 14:00 Received: 10/17/02 11:55									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2J25002	10/25/02	10/25/02	8015Bm/8021 B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**16**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.8 %*		*55-142*	"	"	"	"	
MW-5 (MLJ0523-02) Water Sampled: 10/16/02 14:40 Received: 10/17/02 11:55									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2J25002	10/25/02	10/25/02	8015Bm/8021 B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**52**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.6 %*		*55-142*	"	"	"	"	
MW-6 (MLJ0523-03) Water Sampled: 10/16/02 14:20 Received: 10/17/02 11:55									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2J25002	10/25/02	10/25/02	8015Bm/8021 B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.1 %*		*55-142*	"	"	"	"	

Sequoia Analytical

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www.sequoialabs.com

URS Corporation	Project: BP Heritage Site #11107, San Lorenzo, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11107, San Lorenzo, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	11/05/02 14:18

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J25002 - EPA 5030B [P/T]										
Blank (2J25002-BLK1)				Prepared & Analyzed: 10/25/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.96*		"	*10.0*		*99.6*	*55-142*			
LCS (2J25002-BS1)				Prepared & Analyzed: 10/25/02						
Benzene	11.6	0.50	ug/l	10.0		116	68-140			
Toluene	11.7	0.50	"	10.0		117	76-127			
Ethylbenzene	12.1	0.50	"	10.0		121	77-130			
Xylenes (total)	35.2	0.50	"	30.0		117	78-128			
Surrogate: a,a,a-Trifluorotoluene	*11.0*		"	*10.0*		*110*	*55-142*			
LCS (2J25002-BS2)				Prepared & Analyzed: 10/25/02						
Gasoline Range Organics (C6-C10)	233	50	ug/l	250		93.2	62-134			
Surrogate: a,a,a-Trifluorotoluene	*8.74*		"	*10.0*		*87.4*	*55-142*			
LCS Dup (2J25002-BSD1)				Prepared & Analyzed: 10/25/02						
Benzene	10.2	0.50	ug/l	10.0		102	68-140	12.8	30	
Toluene	10.2	0.50	"	10.0		102	76-127	13.7	30	
Ethylbenzene	9.82	0.50	"	10.0		98.2	77-130	20.8	21	
Xylenes (total)	30.2	0.50	"	30.0		101	78-128	15.3	21	
Surrogate: a,a,a-Trifluorotoluene	*9.41*		"	*10.0*		*94.1*	*55-142*			
LCS Dup (2J25002-BSD2)				Prepared & Analyzed: 10/25/02						
Gasoline Range Organics (C6-C10)	259	50	ug/l	250		104	62-134	10.6	41	
Surrogate: a,a,a-Trifluorotoluene	*9.02*		"	*10.0*		*90.2*	*55-142*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation	Project: BP Heritage Site #11107, San Lorenzo, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11107, San Lorenzo, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	11/05/02 14:18

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

MLJ0523

bp

Project Name
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:

Date: 10/16/02

Requested Due Date (mm/dd/yy) Standard

On-site Time:	Temp:
Off- site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 18501 HESPERIAN, SAN LORENZO, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. 11107	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #: T0600101665	Consultant/Contractor Project No.:
Lab PM: Latonya Pelt	BP/GEM PM Contact: Scott Hooton	Consultant Tele/Fax: 510-874-3101 / 510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Robert Horwath
Report Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.: 400-6-21124	Tele/Fax:	BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G/BTEX (8015/8021)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Sample Point Lat/Long and Comments
1	MW-4	1400		X			01	3				X	X		X			
2	MW-5	1440		X			02	3				X	X		X			
3	MW-6	1420		X			03	3				X	X		X			
4																		
5																		
6																		
7																		
8																		
9																		
10																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Brian Amara						
Sampler's Company: Building Tech Services		10/16/02	1023		10/16/02	1023
Shipment Date:		10/17/02	1155		10/17/02	1155
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

Custody Seals In Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt °F/C Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

BP COC Rev. 1 2/5/02

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT): TL
WORKORDER: 210523

DATE Received at Lab: 10/17/02
TIME Received at Lab: 1155
LOG IN DATE: 10-18-02

Drinking water for regulatory purposes: YES (NO)
Wastewater for regulatory purposes: YES (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	#	CLIENT ID	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*			MW-4	(3) Voa #6	(L)	10/16/02	2149040
			MW-5	"	"	"	"
2. Chain-of-Custody (Present) / Absent*			MW-6	"	"	"	"
3. Traffic Reports or Packing List: Present / (Absent)							
4. Airbill: Airbill / Sticker Present / (Absent)							
5. Airbill #:							
6. Sample Labels: (Present) / Absent							
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody							
8. Sample Condition: (Intact) / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample labels agree? (Yes) / No*							
10. Sample received within hold time: (Yes) / No*							
11. Proper Preservatives used: (Yes) / No*							
12. Temp Rec. at Lab: ____ (Acceptance range for samples requiring thermal pres.: 4+/-2°C) Yes / No**							
**Exception (if any):							

10/17/02 TL

*If Circled, contact Project Manager and attach record of resolution.

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

01/20/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage Site #11107,
Work Order Number:	MLJ0523
Global ID:	T0600101665
Lab Report Number:	MLJ0523110520021418

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MLJ052311052002 1418	MW-4	MLJ052301	W	CS	SW8020F	SW5030B	10/16/02	10/25/02	10/25/02	2J25002	1	
MLJ052311052002 1418	MW-5	MLJ052302	W	CS	SW8020F	SW5030B	10/16/02	10/25/02	10/25/02	2J25002	1	
MLJ052311052002 1418	MW-6	MLJ052303	W	CS	SW8020F	SW5030B	10/16/02	10/25/02	10/25/02	2J25002	1	
		2J25002BSD1	WQ	BD1	SW8020F	SW5030B	/ /	10/25/02	10/25/02	2J25002	1	
		2J25002BSD2	WQ	BD2	SW8020F	SW5030B	/ /	10/25/02	10/25/02	2J25002	1	
		2J25002BS1	WQ	BS1	SW8020F	SW5030B	/ /	10/25/02	10/25/02	2J25002	1	
		2J25002BS2	WQ	BS2	SW8020F	SW5030B	/ /	10/25/02	10/25/02	2J25002	1	
		2J25002BLK1	WQ	LB1	SW8020F	SW5030B	/ /	10/25/02	10/25/02	2J25002	1	

EDFSAMP: Error Summary Log

01/20/03

Error type	Logcode	Projname	Npdlwo	Sampid	Matrix
There are no errors in this data file					

EDFTEST: Error Summary Log

01/20/03

Error type	Labsampid	Qccode	Anmcode	Exmcode	Anadate	Run number
There are no errors in this data file					/ /	0

EDFRES: Error Summary Log

01/20/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MLJ052301	CS	W	SW8020F	PR	10/25/02	1	AAATFBZME
Warning: extra parameter	MLJ052301	CS	W	SW8020F	PR	10/25/02	1	GROC6C10
Warning: extra parameter	MLJ052301	CS	W	SW8020F	PR	10/25/02	1	MTBE
Warning: extra parameter	MLJ052302	CS	W	SW8020F	PR	10/25/02	1	AAATFBZME
Warning: extra parameter	MLJ052302	CS	W	SW8020F	PR	10/25/02	1	GROC6C10
Warning: extra parameter	MLJ052302	CS	W	SW8020F	PR	10/25/02	1	MTBE
Warning: extra parameter	MLJ052303	CS	W	SW8020F	PR	10/25/02	1	AAATFBZME
Warning: extra parameter	MLJ052303	CS	W	SW8020F	PR	10/25/02	1	GROC6C10
Warning: extra parameter	MLJ052303	CS	W	SW8020F	PR	10/25/02	1	MTBE
Warning: extra parameter	2J25002BLK1	LB1	WQ	SW8020F	PR	10/25/02	1	AAATFBZME
Warning: extra parameter	2J25002BLK1	LB1	WQ	SW8020F	PR	10/25/02	1	GROC6C10
Warning: extra parameter	2J25002BLK1	LB1	WQ	SW8020F	PR	10/25/02	1	MTBE
Warning: extra parameter	2J25002BS1	BS1	WQ	SW8020F	PR	10/25/02	1	AAATFBZME
Warning: extra parameter	2J25002BS2	BS2	WQ	SW8020F	PR	10/25/02	1	AAATFBZME
Warning: extra parameter	2J25002BS2	BS2	WQ	SW8020F	PR	10/25/02	1	GROC6C10
Warning: extra parameter	2J25002BSD1	BD1	WQ	SW8020F	PR	10/25/02	1	AAATFBZME
Warning: extra parameter	2J25002BSD2	BD2	WQ	SW8020F	PR	10/25/02	1	AAATFBZME
Warning: extra parameter	2J25002BSD2	BD2	WQ	SW8020F	PR	10/25/02	1	GROC6C10

EDFQC: Error Summary Log

01/20/03

Error type	Lablotctl	Anmcode	Parlabel	Qccode	Labqcid
There are no errors in this data files					

EDFCL: Error Summary Log

01/20/03

Error type	Clrevdate	Anmcode	Exmcode	Parlabel	Clcode
There are no errors in this data file	/ /				

AB2886 Electronic Delivery

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been succcessfully uploaded!

Confirmation Number: 6637239456
Date/Time of Submittal: 1/20/2003 2:15:19 PM
Facility Global ID: T0600101665
Facility Name: BP
Submittal Title: Fourth Quarter 2002 Monitoring Report
Submittal Type: GW Monitoring Report

Logged in as URSCORP-FORMERBP (AUTH_RP) CONTACT SITE ADMINISTRATOR.

AB2886 Electronic Delivery

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**Fourth Quarter 2002 Monitoring Report**
Submittal Date/Time:	**1/20/2003 2:16:07 PM**
Confirmation Number:	**1212925553**

Back to Main Menu

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