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Atlantic Richfield Company
(a BP affiliated company)



P.O. Box 1257
San Ramon, CA 94583
Phone: (925) 275-3801
Fax: (925) 275-3815

July 28, 2006

Re: Second Quarter, 2006 Groundwater Monitoring Report
Former BP Station #11120
6400 Dublin Boulevard
Dublin, California
ACEH Case #RO0002431

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct."

Submitted by:

Paul Supple
Environmental Business Manger



A BP affiliated company

Second Quarter, 2006 Groundwater Monitoring Report
Former BP Station #11120
6400 Dublin Road
Dublin, California

Prepared for

Mr. Paul Supple
Environmental Business Manager
Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583

Prepared by



1324 Mangrove Avenue, Suite 212
Chico, California 95926
(530) 566-1400
www.broadbentinc.com

July, 2006

Project No. 06-02-651

Broadbent & Associates, Inc.
2000 Kirman Avenue
Reno, NV 89502
Voice (775) 322-7969
Fax (775) 322-7956



July 28, 2006

Project No. 06-02-651

Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583
Submitted via ENFOS

Attn.: Mr. Paul Supple

Re: Second Quarter, 2006 Groundwater Monitoring Report, Former BP Station #11120, 6400
Dublin Boulevard, Dublin California. ACEH Case #RO0002431.

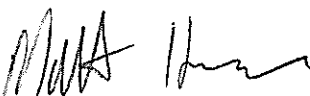
Dear Mr. Supple:

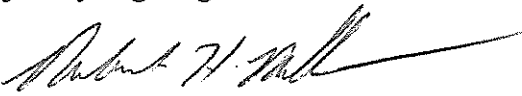
Provided herein is the *Second Quarter, 2006 Groundwater Monitoring Report* for the
Former BP Station #11120 (herein referred to as Station #11120) located at 6400 Dublin
Boulevard, Dublin, California (Property). This report presents a summary of Second Quarter,
2006 ground-water monitoring results.

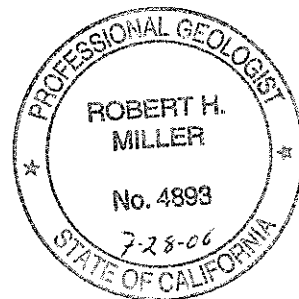
Should you have questions regarding the work performed or results obtained, please do not
hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.


Matthew G. Herrick
Project Hydrogeologist


Robert H. Miller, P.G., C.HG.
Principal Hydrogeologist



Enclosures

cc: Mr. Barney Chan, Alameda County Environmental Health (submitted via ACEH ftp
site)
Ms. Shelby Lathrop, ConocoPhillips (submitted via WebXtender)

STATION #11120 QUARTERLY GROUND-WATER MONITORING REPORT

Facility: #11120	Address: 6400 Dublin Boulevard, Dublin, CA
Station #11120 Environmental Business Manager:	Mr. Paul Supple
Consulting Co./Contact Persons:	Broadbent & Associates/Rob Miller & Matt Herrick
Primary Agency/Regulatory ID No.:	Alameda County Environmental Health (ACEH) / ACEH Case # RO0002431
Consultant Project No.:	06-02-651
Facility Permits/Permitting Agency.:	NA

WORK PERFORMED THIS QUARTER (Second Quarter, 2006):

1. Submitted First Quarter, 2006 report. Work performed by URS.
2. Conducted ground-water monitoring/sampling for Second Quarter, 2006. Work performed by URS.

WORK PROPOSED FOR NEXT QUARTER (Third Quarter, 2006):

1. Submit Second Quarter, 2006 Report (contained herein).
2. Conduct quarterly ground-water monitoring/sampling for Third Quarter, 2006.
3. Abandon well MW-9 to facilitate road widening work to be completed by the City of Dublin (approved by the ACEH in email dated June 16, 2006).

QUARTERLY RESULTS SUMMARY:

Current phase of project:	Groundwater Monitoring/Sampling
Frequency of ground-water sampling:	Wells MW-8 through MW-11: Quarterly
Frequency of ground-water monitoring:	Wells MW-8 through MW-11: Quarterly
Is free product (FP) present on-site:	No
Current remediation techniques:	None
Depth to ground water (below TOC):	5.83 (MW-10) to 8.65 (MW-11) feet
General ground-water flow direction:	West
Approximate hydraulic gradient:	0.004

DISCUSSION:

Methyl tert-butyl ether (MTBE) was detected above laboratory detection limits in three of the four wells sampled at 1.1 micrograms per liter ($\mu\text{g/L}$) (MW-9), 23 $\mu\text{g/L}$ (MW-11), and 35 $\mu\text{g/L}$ (MW-8).

In an email dated June 16, 2006, the ACEH approved recommendations to abandon MW-9 to facilitate road widening work scheduled to be completed by the City of Dublin. Beginning Third Quarter, 2006, MW-9 will be removed from the ground-water monitoring/sampling schedule summarized above.

CLOSURE:

The findings presented in this report are based upon: observations of URS field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by TestAmerica Morgan Hill, California. Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of Atlantic Richfield Company. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation.

Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

ATTACHMENTS:

- Drawing 1. Ground-Water Elevation Contour and Analytical Summary Map, Station #11120, Dublin CA
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #11120, Dublin CA
- Table 2. Summary of Fuel Additives Analytical Data, Station #11120, Dublin CA
- Appendix A. URS Groundwater Sampling Data Package (Includes Laboratory Report and Chain of Custody Documentation, Field and Laboratory Procedures, Field Data Sheets, and Co-Monitored Data)
- Appendix B. Historical Ground-Water Analytical Data for Former Wells Abandoned in 1999 (Source: Alisto Engineering)
- Appendix C. GeoTracker Upload Confirmation

LEGEND

☒ Destroyed groundwater monitoring well

▲ Grab groundwater sample location May 14, 1999

⊕ Monitoring well location

Well ID	ELEV	GRO	Benzene	MTBE
321.40	<50	<0.50	1.1	

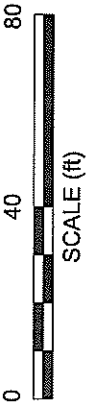
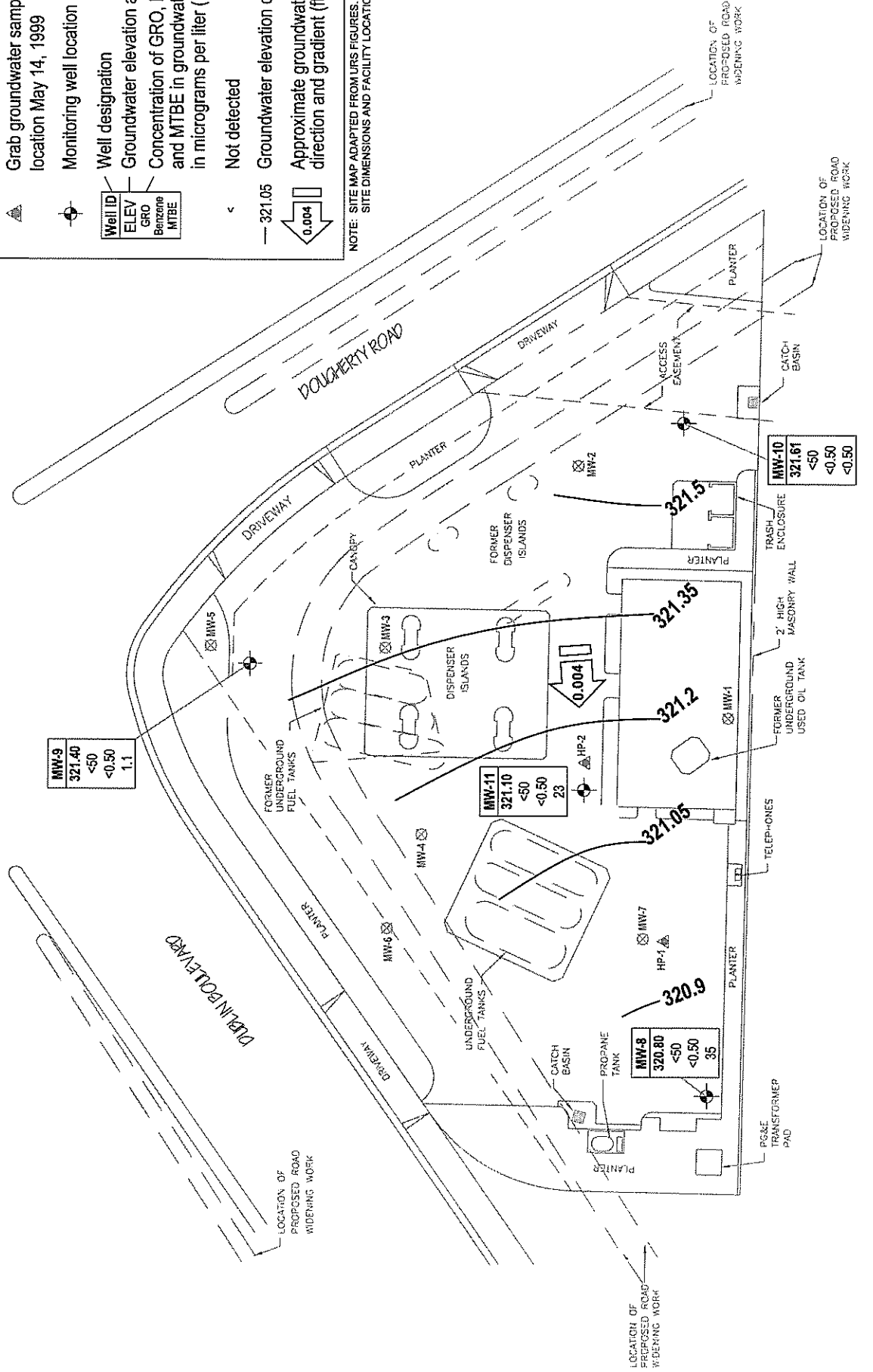
Well designation
Groundwater elevation above MSL
Concentration of GRO, Benzene and MTBE in groundwater in micrograms per liter (µg/L)

☐ Not detected

— 321.05 Groundwater elevation contour

↙ 0.004 Approximate groundwater flow direction and gradient (ft/MSL)

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



BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave., Suite 212
Chicago, CA

Former BP Station #11120
6400 Dublin Boulevard
Dublin, California

Ground-Water Elevation Contour
and Analytical Summary Map
SECOND QUARTER 2006
Project No.: 06-02-651 Date: 07/21/06

Drawing

1

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11120, 6400 Dublin Blvd., Dublin, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-8															
02/25/2002	--	328.94	6.02	--	322.92	<50	<0.5	<0.5	<0.5	<0.5	1.98	--	PACE	--	
09/30/2002	--	328.94	6.16	--	322.78	<50	<0.5	<0.5	<0.5	<0.5	2.9/4.8	--	SEQM	--	a
12/13/2002	--	328.94	5.81	--	323.13	<50	<0.5	<0.5	<0.5	<0.5	5.9/6.4	--	SEQM	--	a
03/12/2003	--	328.94	5.8	--	323.14	<50	<0.50	<0.50	<0.50	<0.50	4.3/3.8	--	SEQM	--	
06/28/2003	--	328.94	5.7	--	323.24	<50	<0.50	<0.50	<0.50	<0.50	4.1	--	SEQM	--	b
09/30/2003	--	328.94	5.9	--	323.04	<50	<0.50	<0.50	<0.50	<0.50	4.1	--	SEQM	--	
12/05/2003	P	328.94	5.89	--	323.05	<50	<0.50	<0.50	<0.50	<0.50	6.7	--	SEQM	7.2	
03/10/2004	P	328.94	4.74	--	324.20	<50	<0.50	<0.50	<0.50	<0.50	5.1	--	SEQM	6.7	
06/21/2004	P	328.94	6.12	--	322.82	<50	<0.50	<0.50	<0.50	<0.50	7.5	--	SEQM	7.0	
09/17/2004	P	328.94	6.38	--	322.56	<50	<0.50	<0.50	<0.50	<0.50	6.6	--	SEQM	7.2	
12/13/2004	P	328.94	5.47	--	323.47	<50	<0.50	<0.50	<0.50	<0.50	6.7	--	SEQM	6.8	
03/03/2005	P	328.94	4.43	--	324.51	<50	<0.50	<0.50	<0.50	<0.50	5.6	--	SEQM	6.9	
06/10/2005	P	328.94	5.35	--	323.59	<50	<0.50	<0.50	<0.50	<0.50	6.2	--	SEQM	6.9	
09/16/2005	P	328.94	6.58	--	322.36	<50	<0.50	<0.50	<0.50	<0.50	5.7	--	SEQM	6.9	
12/15/2005	P	328.94	8.54	--	320.40	<50	<0.50	<0.50	<0.50	<0.50	2.6	--	SEQM	7.0	
03/01/2006	P	328.94	7.55	--	321.39	<50	<0.50	<0.50	<0.50	<0.50	2.8	--	SEQM	7.1	
6/23/2006	P	328.94	8.14	--	320.80	<50	<0.50	<0.50	<0.50	<0.50	35	--	TAMC	7.2	
MW-9															
02/25/2002	--	329.96	5.9	--	324.06	<250	<2.50	<2.50	<2.50	<5.00	<2.50	--	PACE	--	
09/30/2002	--	329.96	6.92	--	323.04	<50	<0.5	<0.5	<0.5	<0.5	1.4/3.3	--	SEQM	--	a
12/13/2002	--	329.96	6.51	--	323.45	<50	<0.5	<0.5	<0.5	<0.5	0.53/<2.5	--	SEQM	--	a
03/12/2003	--	329.96	6.86	--	323.1	<50	<0.50	<0.50	<0.50	<0.50	0.59/<2.5	--	SEQM	--	
06/28/2003	--	329.96	5.95	--	324.01	<50	<0.50	<0.50	<0.50	<0.50	1.0	--	SEQM	--	b
09/30/2003	--	329.96	6.24	--	323.72	<50	<0.50	<0.50	<0.50	<0.50	16	--	SEQM	--	
12/05/2003	P	329.96	7.21	--	322.75	<50	<0.50	<0.50	<0.50	<0.50	33	--	SEQM	7.6	
03/10/2004	P	329.96	5.37	--	324.59	<50	<0.50	<0.50	<0.50	<0.50	2.4	--	SEQM	7.1	
06/21/2004	P	329.96	6.67	--	323.29	<50	<0.50	<0.50	<0.50	<0.50	1.6	--	SEQM	7.8	
09/17/2004	P	329.96	7.89	--	322.07	<50	<0.50	<0.50	<0.50	<0.50	0.72	--	SEQM	7.5	
12/13/2004	P	329.96	5.22	--	324.74	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.6	
03/03/2005	P	329.96	5.12	--	324.84	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.6	

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11120, 6400 Dublin Blvd., Dublin, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-9 Cont.															
06/10/2005	P	329.96	5.90	--	324.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.5	
09/16/2005	P	329.96	6.99	--	322.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.6	
12/15/2005	P	329.96	8.52	--	321.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.7	
03/01/2006	P	329.96	8.06	--	321.90	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.7	
6/23/2006	P	329.96	8.56	--	321.40	<50	<0.50	<0.50	<0.50	<0.50	1.1	--	TAMC	7.3	
MW-10															
02/25/2002	--	327.44	4.21	--	323.23	53	2.58	<0.5	2.83	8.46	<0.5	--	PACE	--	
09/30/2002	--	327.44	4.71	--	322.73	<50	<0.5	<0.5	<0.5	<0.5	0.51/2.8	--	SEQM	--	a
12/13/2002	--	327.44	6.36	--	321.08	<50	<0.5	<0.5	<0.5	<0.5	<0.5/<2.5	--	SEQM	--	a
03/12/2003	--	327.44	7.96	--	319.48	<50	<0.50	<0.50	<0.50	<0.50	0.76/<2.5	--	SEQM	--	
06/28/2003	--	327.44	7.7	--	319.74	<50	<0.50	<0.50	<0.50	<0.50	0.68	--	SEQM	--	b
09/30/2003	--	327.44	7.57	--	319.87	<50	<0.50	<0.50	<0.50	<0.50	0.71	--	SEQM	--	
12/05/2003	P	327.44	6.64	--	320.80	<50	<0.50	<0.50	<0.50	<0.50	0.78	--	SEQM	7.1	
03/10/2004	P	327.44	5.20	--	322.24	<50	<0.50	<0.50	<0.50	<0.50	0.58	--	SEQM	6.4	
06/21/2004	P	327.44	7.45	--	319.99	<50	<0.50	<0.50	<0.50	<0.50	1.1	--	SEQM	7.0	
09/17/2004	P	327.44	7.49	--	319.95	<50	<0.50	<0.50	<0.50	<0.50	0.82	--	SEQM	7.0	
12/13/2004	P	327.44	5.19	--	322.25	<50	<0.50	<0.50	<0.50	<0.50	0.73	--	SEQM	6.8	
03/03/2005	P	327.44	4.86	--	322.58	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
06/10/2005	P	327.44	4.00	--	323.44	<50	<0.50	<0.50	<0.50	<0.50	1.2	--	SEQM	6.8	
09/16/2005	P	327.44	4.78	--	322.66	<50	<0.50	<0.50	<0.50	<0.50	0.98	--	SEQM	6.9	
12/15/2005	P	327.44	6.67	--	320.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
03/01/2006	P	327.44	5.67	--	321.77	<50	<0.50	<0.50	<0.50	<0.50	0.59	--	SEQM	7.1	
6/23/2006	P	327.44	5.83	--	321.61	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	TAMC	7.0	
MW-11															
02/25/2002	--	329.75	6.02	--	323.73	1,800	1.34	<0.5	<0.5	<1.0	2,550	--	PACE	--	
09/30/2002	--	329.75	7.12	--	322.63	<50	<0.5	<0.5	<0.5	<0.5	1,500/1,400	--	SEQM	--	a
12/13/2002	--	329.75	6.60	--	323.15	1,300	<10	<10	<10	<10	1,400/2,000	--	SEQM	--	a
03/12/2003	--	329.75	5.79	--	323.96	<500	<5.0	<5.0	<5.0	<5.0	650/2,900	--	SEQM	--	
06/28/2003	--	329.75	5.68	--	324.07	<5,000	<50	<50	<50	<50	2,500	--	SEQM	--	b

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11120, 6400 Dublin Blvd., Dublin, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-11 Cont.															
09/30/2003	--	329.75	6.68	--	323.07	5,100	<25	<25	<25	<25	3,200	--	SEQM	--	
12/05/2003	P	329.75	6.69	--	323.06	<5,000	<50	<50	<50	<50	3,500	--	SEQM	7.2	
03/10/2004	P	329.75	5.29	--	324.46	3,000	<25	<25	<25	<25	1,800	--	SEQM	6.8	
06/21/2004	P	329.75	6.65	--	323.10	<5,000	<50	<50	<50	<50	1,900	--	SEQM	7.1	
09/17/2004	P	329.75	7.02	--	322.73	<2,500	<25	<25	<25	<25	1,700	--	SEQM	7.1	
12/13/2004	P	329.75	6.01	--	323.74	650	<5.0	<5.0	<5.0	<5.0	610	--	SEQM	6.9	
03/03/2005	P	329.75	5.13	--	324.62	250	<2.5	<2.5	<2.5	<2.5	190	--	SEQM	7.0	
06/10/2005	P	329.75	6.00	--	323.75	<100	4.1	<1.0	<1.0	<1.0	100	--	SEQM	7.0	c
09/16/2005	P	329.75	7.24	--	322.51	<100	<1.0	<1.0	<1.0	<1.0	52	--	SEQM	7.0	
12/15/2005	P	329.75	8.91	--	320.84	<50	<0.50	<0.50	<0.50	<0.50	9.0	--	SEQM	7.1	
03/01/2006	P	329.75	8.05	--	321.70	<50	<0.50	<0.50	<0.50	<0.50	21	--	SEQM	7.2	
6/23/2006	P	329.96	8.65	--	321.10	<50	<0.50	<0.50	<0.50	<0.50	23	--	TAMC	7.2	

ABBREVIATIONS AND SYMBOLS:

TOC = Top of casing in ft MSL

DTW = Depth to water in ft bgs

GWE = Groundwater elevation in ft MSL

GRO = Gasoline range organics

TPH-g = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tert butyl ether by EPA method 8021B (prior to 6/28/03) or 8260B

DO = Dissolved oxygen

µg/L = Micrograms per liter

mg/L = Milligrams per liter

< = Not detected at or above laboratory reporting limit

-- = Not sampled/applicable/analyzed/measured

PACE = Pace, Inc.

SEQM = Sequoia Analytical Laboratory

TAMC = TestAmerica

P/NP = Well purged/not purged prior to sampling

ft bgs = Feet below ground surface

ft MSL = Feet above mean sea level

FOOTNOTES:

a = Analyzed by EPA method 8260 B; fuel oxygenates include ethanol, tert-butyl alcohol, di-isopropyl ether, ethyl tert-butyl ether, tert-amyl methyl ether; lead scavengers include: 1,2-dichloroethane & ethylene dibromide.

b = Beginning on the second quarter 2003 monitoring event (6/28/03), TPH-g, benzene, toluene, ethylbenzene, total xylenes, MTBE and fuel oxygenates analyzed by EPA method 8260B.

c = The hydrocarbon result for GRO was partly due to individual peaks in the quantitative range.

NOTES:

TOC elevations surveyed relative to an elevation of 18.409 ft MSL.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 2. Summary of Fuel Additives Analytical Data
Station #11120, 6400 Dublin Blvd., Dublin, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-8									
03/12/2003	<100	<20	4.3/3.8	<0.50	<0.50	<0.50	<0.50	<0.50	
06/28/2003	<100	<20	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	
09/30/2003	<100	<20	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	
12/05/2003	<100	<20	6.7	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2004	<100	<20	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	a
06/21/2004	<100	<20	7.5	<0.50	<0.50	<0.50	<0.50	<0.50	
09/17/2004	16	<20	6.6	<0.50	<0.50	<0.50	<0.50	<0.50	b
12/13/2004	<100	<20	6.7	<0.50	<0.50	<0.50	<0.50	<0.50	
03/03/2005	<100	<20	5.6	<0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2005	<100	<20	6.2	<0.50	<0.50	<0.50	<0.50	<0.50	
09/16/2005	<100	<20	5.7	<0.50	<0.50	<0.50	<0.50	<0.50	
12/15/2005	<100	<20	2.6	<0.50	<0.50	<0.50	<0.50	<0.50	
03/01/2006	<300	<20	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	
6/23/2006	<300	<20	35	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-9									
03/12/2003	<100	<20	0.59/<2.5	<0.50	<0.50	<0.50	<0.50	<0.50	
06/28/2003	<100	<20	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	
09/30/2003	<100	<20	16	<0.50	<0.50	<0.50	<0.50	<0.50	
12/05/2003	<100	<20	33	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2004	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	a
06/21/2004	<100	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	
09/17/2004	13	<20	0.72	<0.50	<0.50	<0.50	<0.50	<0.50	b
12/13/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
12/15/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/01/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
6/23/2006	<300	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-10									

Table 2. Summary of Fuel Additives Analytical Data
Station #11120, 6400 Dublin Blvd., Dublin, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-10 Cont.									
03/12/2003	<100	<20	0.76/<2.5	<0.50	<0.50	<0.50	<0.50	<0.50	
06/28/2003	<100	<20	0.68	<0.50	<0.50	<0.50	<0.50	<0.50	
09/30/2003	<100	<20	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	
12/05/2003	<100	<20	0.78	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2004	<100	<20	0.58	<0.50	<0.50	<0.50	<0.50	<0.50	a
06/21/2004	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	
09/17/2004	9.4	<20	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	b
12/13/2004	<100	<20	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	
03/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2005	<100	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
09/16/2005	<100	<20	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	
12/15/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/01/2006	<300	<20	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	
6/23/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-11									
03/12/2003	<1,000	<200	650/2,900	<5.0	<5.0	<5.0	<5.0	<5.0	
06/28/2003	<10,000	<2,000	2,500	<50	<50	<50	<50	<50	
09/30/2003	<5,000	<1,000	3,200	<25	<25	<25	<25	<25	
12/05/2003	<10,000	<2,000	3,500	<50	<50	<50	<50	<50	
03/10/2004	<5,000	<1,000	1,800	<25	<25	<25	<25	<25	a
06/21/2004	<10,000	<2,000	1,900	<50	<50	<50	<50	<50	
09/17/2004	13	<1,000	1,700	<25	<25	<25	<25	<25	b
12/13/2004	<1,000	<200	610	<5.0	<5.0	<5.0	<5.0	<5.0	
03/03/2005	<500	<100	190	<2.5	<2.5	<2.5	<2.5	<2.5	
06/10/2005	<200	<40	100	<1.0	<1.0	<1.0	<1.0	<1.0	a, c
09/16/2005	<200	<40	52	<1.0	<1.0	<1.0	<1.0	<1.0	
12/15/2005	<100	<20	9.0	<0.50	<0.50	<0.50	<0.50	<0.50	
03/01/2006	<300	<20	21	<0.50	<0.50	<0.50	<0.50	<0.50	
6/23/2006	<300	<20	23	<0.50	<0.50	<0.50	<0.50	<0.50	

ABBREVIATIONS AND SYMBOLS:

TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = tert-Amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
µg/L = micrograms per liter
< = Not detected at or above laboratory reporting limits

FOOTNOTES:

a = The continuing calibration verification was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose.

b = Split samples were analyzed for ethanol by EPA Method 8260B SIM; ethanol was detected in trip blank at 34 micrograms per liter. Ethanol was not detected in confirmatory analysis of samples and trip blank on a different instrument; however, holding time had expired by then.

c = LCS recorded above methanol control limits. Analyte not detected. Data not impacted.

NOTES:

All volatile organic compounds analyzed using EPA Method 8260B.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

APPENDIX A

**URS GROUNDWATER SAMPLING DATA PACKAGE (INCLUDES LABORATORY
REPORT AND CHAIN OF CUSTODY DOCUMENTATION, FIELD AND
LABORATORY PROCEDURES, AND FIELD DATA SHEETS)**



July 18, 2006

Mr. Rob Miller
Broadbent & Associates, Inc.
2000 Kirman Avenue
Reno, NV 89502

Groundwater Sampling Data Package
Former BP Service Station #11120
6400 Dublin Boulevard
Dublin, CA
Field Work Performed: 06/23/06

General Information

Data Submittal Prepared/Reviewed by: Alok Kolekar

Phone Number: 510-874-3152

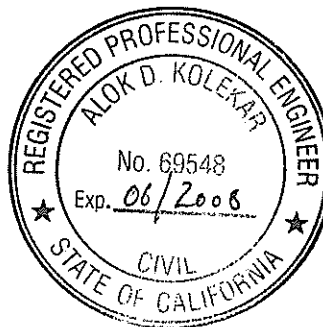
On-Site Supplier Representative: Blaine Tech

Scope of Work Performed: Groundwater Monitoring in accordance with 2nd Quarter 2006 protocols as identified in the Quarterly Monitoring Program Table in the Field and Laboratory Procedures Attachment.

Variations from Work Scope: None

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include, at a minimum, sampling procedures, field data collected, laboratory results, chain of custody documentation, and waste management activities. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Alok D. Kolekar, P.E.
Project Manager



cc: Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS



Attachments

Table(s) of Cumulative Analytical Results

Field and Laboratory Procedures

Laboratory Report

Chain of Custody Documentation

Field Data Sheets

Well Gauging Data

Well Monitoring Data Sheets

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11120
6400 Dublin Blvd., Dublin, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-11	09/16/2005	P	329.75	7.24	--	322.51	<100	<1.0	<1.0	<1.0	<1.0	52	--	SEQM	7.0	
	12/15/2005	P	329.75	8.91	--	320.84	<50	<0.50	<0.50	<0.50	<0.50	9.0	--	SEQM	7.1	
	03/01/2006	P	329.75	8.05	--	321.70	<50	<0.50	<0.50	<0.50	<0.50	21	--	SEQM	7.2	
	06/23/2006	P	329.75	8.65	--	321.10	<50	<0.50	<0.50	<0.50	<0.50	23	--	TAMC	7.2	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11120
6400 Dublin Blvd., Dublin, CA

ABBREVIATIONS AND SYMBOLS:

TOC = Top of casing in ft MSL
DTW = Depth to water in ft bgs
GWE = Groundwater elevation in ft MSL
GRO = Gasoline range organics
TPH-g = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert butyl ether by EPA method 8021B (prior to 6/28/03) or 8260B
DO = Dissolved oxygen
µg/L = Micrograms per liter
mg/L = Milligrams per liter
< = Not detected at or above specified laboratory reporting limit
-- = Not sampled/applicable/analyzed/measured
PACE = Pace, Inc.
SEQM = Sequoia Analytical - Morgan Hill
P/NP = Well purged/not purged prior to sampling
ft bgs = Feet below ground surface
ft MSL = Feet above mean sea level
TAMC = TestAmerica - Morgan Hill, CA

FOOTNOTES:

a = Analyzed by EPA method 8260 B; fuel oxygenates include ethanol, tert-butyl alcohol, di-isopropyl ether, ethyl tert-butyl ether, tert-amyl methyl ether; lead scavengers include: 1,2-dichloroethane and ethylene dibromide.

b = Beginning on the second quarter 2003 monitoring event (6/28/03), TPH-g, benzene, toluene, ethylbenzene, total xylenes, MTBE and fuel oxygenates analyzed by EPA method 8260B.

c = The hydrocarbon result for GRO was partly due to individual peaks in the quantitative range.

NOTES:

TOC elevations surveyed relative to an elevation of 18.409 ft MSL.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

The data within this table collected prior to June 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Fuel Additives Analytical Data

Former BP Station #11120
6400 Dublin Blvd., Dublin, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-8	03/12/2003	<100	<20	4.3/3.8	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/28/2003	<100	<20	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/30/2003	<100	<20	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/05/2003	<100	<20	6.7	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2004	<100	<20	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/21/2004	<100	<20	7.5	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/17/2004	16	<20	6.6	<0.50	<0.50	<0.50	<0.50	<0.50	b
	12/13/2004	<100	<20	6.7	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/03/2005	<100	<20	5.6	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2005	<100	<20	6.2	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2005	<100	<20	5.7	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/15/2005	<100	<20	2.6	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/01/2006	<300	<20	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/23/2006	<300	<20	35	<0.50	<0.50	<0.50	<0.50	<0.50	
	MW-9	03/12/2003	<100	<20	0.59/<2.5	<0.50	<0.50	<0.50	<0.50	<0.50
06/28/2003		<100	<20	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	
09/30/2003		<100	<20	16	<0.50	<0.50	<0.50	<0.50	<0.50	
12/05/2003		<100	<20	33	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2004		<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	a
06/21/2004		<100	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	
09/17/2004		13	<20	0.72	<0.50	<0.50	<0.50	<0.50	<0.50	b
12/13/2004		<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/03/2005		<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2005		<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/16/2005		<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
12/15/2005		<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/01/2006		<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
06/23/2006		<300	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-10		03/12/2003	<100	<20	0.76/<2.5	<0.50	<0.50	<0.50	<0.50	<0.50
	06/28/2003	<100	<20	0.68	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/30/2003	<100	<20	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/05/2003	<100	<20	0.78	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2

Fuel Additives Analytical Data

Former BP Station #11120
6400 Dublin Blvd., Dublin, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-10	03/10/2004	<100	<20	0.58	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/21/2004	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/17/2004	9.4	<20	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	b
	12/13/2004	<100	<20	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2005	<100	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2005	<100	<20	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/15/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/01/2006	<300	<20	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/23/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-11	03/12/2003	<1,000	<200	650/2,900	<5.0	<5.0	<5.0	<5.0	<5.0	
	06/28/2003	<10,000	<2,000	2,500	<50	<50	<50	<50	<50	
	09/30/2003	<5,000	<1,000	3,200	<25	<25	<25	<25	<25	
	12/05/2003	<10,000	<2,000	3,500	<50	<50	<50	<50	<50	
	03/10/2004	<5,000	<1,000	1,800	<25	<25	<25	<25	<25	a
	06/21/2004	<10,000	<2,000	1,900	<50	<50	<50	<50	<50	
	09/17/2004	13	<1,000	1,700	<25	<25	<25	<25	<25	b
	12/13/2004	<1,000	<200	610	<5.0	<5.0	<5.0	<5.0	<5.0	
	03/03/2005	<500	<100	190	<2.5	<2.5	<2.5	<2.5	<2.5	
	06/10/2005	<200	<40	100	<1.0	<1.0	<1.0	<1.0	<1.0	a, c
	09/16/2005	<200	<40	52	<1.0	<1.0	<1.0	<1.0	<1.0	
	12/15/2005	<100	<20	9.0	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/01/2006	<300	<20	21	<0.50	<0.50	<0.50	<0.50	<0.50	
06/23/2006	<300	<20	23	<0.50	<0.50	<0.50	<0.50	<0.50		

Table 2

Fuel Additives Analytical Data

Former BP Station #11120
6400 Dublin Blvd., Dublin, CA

ABBREVIATIONS AND SYMBOLS:

TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = tert-Amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
µg/L = micrograms per liter
< = Not detected at or above specified laboratory reporting limit

FOOTNOTES:

a = The continuing calibration verification was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose.
b = Split samples were analyzed for ethanol by EPA Method 8260B SIM; ethanol was detected in trip blank at 34 micrograms per liter. Ethanol was not detected in confirmatory analysis of samples and trip blank on a different instrument; however, holding time had expired by then.
c = LCS recorded above methanol control limits. Analyte not detected. Data not impacted.

NOTES:

All volatile organic compounds analyzed using EPA Method 8260B.

FIELD & LABORATORY 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.

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 RM have been reviewed and verified by that laboratory.

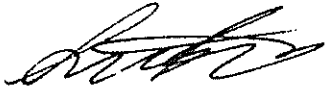
10 July, 2006

Alok Kolekar
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11120, Dublin, CA
Work Order: MPF0952

Enclosed are the results of analyses for samples received by the laboratory on 06/27/06 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project: BP Heritage #11120, Dublin, CA
Project Number: G07TM-0013
Project Manager: Alok Kolekar

MPF0952
Reported:
07/10/06 16:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	MPF0952-01	Water	06/23/06 14:05	06/27/06 16:45
MW-9	MPF0952-02	Water	06/23/06 13:25	06/27/06 16:45
MW-10	MPF0952-03	Water	06/23/06 13:00	06/27/06 16:45
MW-11	MPF0952-04	Water	06/23/06 14:30	06/27/06 16:45
TB-11120-06232006	MPF0952-05	Water	06/23/06 14:30	06/27/06 16:45

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies. These samples were received with no custody seals.

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project: BP Heritage #11120, Dublin, CA
Project Number: G07TM-0013
Project Manager: Alok Kolekar

MPF0952
Reported:
07/10/06 16:07

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MPF0952-01) Water Sampled: 06/23/06 14:05 Received: 06/27/06 16:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6G02005	07/02/06	07/03/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		90 %	60-145		"	"	"	"	
MW-9 (MPF0952-02) Water Sampled: 06/23/06 13:25 Received: 06/27/06 16:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6G02005	07/02/06	07/03/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		89 %	60-145		"	"	"	"	
MW-10 (MPF0952-03) Water Sampled: 06/23/06 13:00 Received: 06/27/06 16:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6G02005	07/02/06	07/03/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		93 %	60-145		"	"	"	"	
MW-11 (MPF0952-04) Water Sampled: 06/23/06 14:30 Received: 06/27/06 16:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6G02005	07/02/06	07/03/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		90 %	60-145		"	"	"	"	

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project: BP Heritage #11120, Dublin, CA
Project Number: G07TM-0013
Project Manager: Alok Kolekar

MPF0952
Reported:
07/10/06 16:07

Volatile Organic Compounds by EPA Method 8260B
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MPF0952-01) Water Sampled: 06/23/06 14:05 Received: 06/27/06 16:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6G02005	07/02/06	07/03/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	35	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90 %		60-145	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89 %		60-115	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		91 %		75-130	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93 %		70-130	"	"	"	"	
MW-9 (MPF0952-02) Water Sampled: 06/23/06 13:25 Received: 06/27/06 16:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6G02005	07/02/06	07/03/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	1.1	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89 %		60-145	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88 %		60-115	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		90 %		75-130	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93 %		70-130	"	"	"	"	

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project: BP Heritage #11120, Dublin, CA
Project Number: G07TM-0013
Project Manager: Alok Kolekar

MPF0952
Reported:
07/10/06 16:07

Volatile Organic Compounds by EPA Method 8260B
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MPF0952-03) Water Sampled: 06/23/06 13:00 Received: 06/27/06 16:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6G02005	07/02/06	07/03/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93 %	60-145	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88 %	60-115	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		90 %	75-130	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92 %	70-130	"	"	"	"	"	
MW-11 (MPF0952-04) Water Sampled: 06/23/06 14:30 Received: 06/27/06 16:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6G02005	07/02/06	07/03/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	23	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90 %	60-145	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88 %	60-115	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		91 %	75-130	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93 %	70-130	"	"	"	"	"	

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Project: BP Heritage #11120, Dublin, CA
Project Number: G07TM-0013
Project Manager: Alok Kolekar

MPF0952
Reported:
07/10/06 16:07

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6G02005 - EPA 5030B P/T / LUFT GCMS										
Blank (6G02005-BLK1)					Prepared & Analyzed: 07/02/06					
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.30		"	2.50		92	60-145			
Laboratory Control Sample (6G02005-BS1)					Prepared & Analyzed: 07/02/06					
Gasoline Range Organics (C4-C12)	455	50	ug/l	440		103	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.27		"	2.50		91	60-145			
Matrix Spike (6G02005-MS1)					Prepared & Analyzed: 07/02/06					
Gasoline Range Organics (C4-C12)	2240	250	ug/l	2200	ND	102	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.28		"	2.50		91	60-145			
Matrix Spike Dup (6G02005-MSD1)					Prepared & Analyzed: 07/02/06					
Gasoline Range Organics (C4-C12)	2160	250	ug/l	2200	ND	98	75-140	4	20	
Surrogate: 1,2-Dichloroethane-d4	2.25		"	2.50		90	60-145			

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1333 Broadway, Suite 800
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Project: BP Heritage #11120, Dublin, CA
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MPF0952
Reported:
07/10/06 16:07

Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6G02005 - EPA 5030B P/T / EPA 8260B

Blank (6G02005-BLK1)

Prepared & Analyzed: 07/02/06

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.30		"	2.50		92	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.23		"	2.50		89	60-115			
<i>Surrogate: Dibromofluoromethane</i>	2.29		"	2.50		92	75-130			
<i>Surrogate: Toluene-d8</i>	2.34		"	2.50		94	70-130			

Laboratory Control Sample (6G02005-BS1)

Prepared & Analyzed: 07/02/06

tert-Amyl methyl ether	15.7	0.50	ug/l	15.0		105	65-135			
Benzene	5.36	0.50	"	5.16		104	70-125			
tert-Butyl alcohol	160	20	"	143		112	60-135			
Di-isopropyl ether	16.4	0.50	"	15.1		109	70-130			
1,2-Dibromoethane (EDB)	15.9	0.50	"	14.9		107	85-125			
1,2-Dichloroethane	15.7	0.50	"	14.7		107	75-125			
Ethanol	179	300	"	142		126	15-150			
Ethyl tert-butyl ether	15.7	0.50	"	15.0		105	65-130			
Ethylbenzene	7.37	0.50	"	7.54		98	80-130			
Methyl tert-butyl ether	7.74	0.50	"	7.02		110	50-140			
Toluene	38.0	0.50	"	37.2		102	70-120			
Xylenes (total)	42.9	0.50	"	41.2		104	85-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.27		"	2.50		91	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.37		"	2.50		95	60-115			
<i>Surrogate: Dibromofluoromethane</i>	2.29		"	2.50		92	75-130			
<i>Surrogate: Toluene-d8</i>	2.41		"	2.50		96	70-130			

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Project Manager: Alok Kolekar

MPF0952
Reported:
07/10/06 16:07

Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6G02005 - EPA 5030B P/T / EPA 8260B

Matrix Spike (6G02005-MS1)	Source: MPF0949-01			Prepared & Analyzed: 07/02/06						
tert-Amyl methyl ether	79.6	2.5	ug/l	75.2	ND	106	65-135			
Benzene	27.8	2.5	"	25.8	ND	108	70-125			
tert-Butyl alcohol	1540	100	"	716	650	124	60-135			
Di-isopropyl ether	84.8	2.5	"	75.6	ND	112	70-130			
1,2-Dibromoethane (EDB)	81.8	2.5	"	74.4	ND	110	85-125			
1,2-Dichloroethane	82.8	2.5	"	73.6	ND	112	75-125			
Ethanol	1070	1500	"	708	ND	151	15-150			LM
Ethyl tert-butyl ether	80.1	2.5	"	75.2	ND	107	65-130			
Ethylbenzene	38.0	2.5	"	37.7	ND	101	80-130			
Methyl tert-butyl ether	44.2	2.5	"	35.1	4.2	114	50-140			
Toluene	200	2.5	"	186	ND	108	70-120			
Xylenes (total)	224	2.5	"	206	ND	109	85-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.28		"	2.50		91	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.28		"	2.50		91	60-115			
<i>Surrogate: Dibromofluoromethane</i>	2.27		"	2.50		91	75-130			
<i>Surrogate: Toluene-d8</i>	2.38		"	2.50		95	70-130			

Matrix Spike Dup (6G02005-MSD1)	Source: MPF0949-01			Prepared & Analyzed: 07/02/06						
tert-Amyl methyl ether	79.4	2.5	ug/l	75.2	ND	106	65-135	0.3	25	
Benzene	27.5	2.5	"	25.8	ND	107	70-125	1	15	
tert-Butyl alcohol	1600	100	"	716	650	133	60-135	4	35	
Di-isopropyl ether	83.2	2.5	"	75.6	ND	110	70-130	2	35	
1,2-Dibromoethane (EDB)	81.8	2.5	"	74.4	ND	110	85-125	0	15	
1,2-Dichloroethane	81.4	2.5	"	73.6	ND	111	75-125	2	10	
Ethanol	1110	1500	"	708	ND	157	15-150	4	35	LM
Ethyl tert-butyl ether	78.8	2.5	"	75.2	ND	105	65-130	2	35	
Ethylbenzene	37.5	2.5	"	37.7	ND	99	80-130	1	15	
Methyl tert-butyl ether	44.0	2.5	"	35.1	4.2	113	50-140	0.5	25	
Toluene	194	2.5	"	186	ND	104	70-120	3	15	
Xylenes (total)	220	2.5	"	206	ND	107	85-125	2	15	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.25		"	2.50		90	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.30		"	2.50		92	60-115			
<i>Surrogate: Dibromofluoromethane</i>	2.21		"	2.50		88	75-130			
<i>Surrogate: Toluene-d8</i>	2.37		"	2.50		95	70-130			

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project: BP Heritage #11120, Dublin, CA
Project Number: G07TM-0013
Project Manager: Alok Kolekar

MPF0952
Reported:
07/10/06 16:07

Notes and Definitions

LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



Chain of Custody Record

Project Name: Analytical for QMR sampling
 BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 11120 > Historical/BL
 State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Francisco
 Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time: 7:00 AM 12/25 Temp: 100°
 Off-site Time: 1:00 PM 12/25 Temp: 100°
 Sky Conditions: Clear
 Meteorological Events:
 Wind Speed: _____ Direction: _____

Lab Name: <u>Sequoia</u>	BP/AR Facility No.: <u>11120</u>	Consultant/Contractor: <u>URS</u>
Address: <u>885 Jarvis Drive</u> <u>Morgan Hill, CA 95037</u>	BP/AR Facility Address: <u>6400 Dublin Blvd., Dublin, CA 94568</u>	Address: <u>1333 Broadway, Suite 800</u> <u>Oakland, CA 94612</u>
Lab PM: <u>Lisa Race / Katt Min</u>	Site Lat/Long: <u>37.704742 / -121.909</u>	Consultant/Contractor Project No.: <u>38487130</u>
Tele/Fax: <u>408.782.8156 / 408.782.6308</u>	California Global ID No.: <u>T0600101432</u>	Consultant/Contractor PM: <u>Alok Kolekar</u>
BP/AR PM Contact: <u>Paul Supple</u>	Enfos Project No.: <u>G07TM-0013</u>	Tele/Fax: <u>510.874.3152 / 510.874.3268</u>
Address: <u>P.O. Box 6549</u> <u>Morgan, CA 94570</u>	Provision or RCOP: <u>Provision</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
Tele/Fax: <u>925-299-8891</u>	Phase/WBS: <u>04 - Mon/Remed by Natural Attenuation</u>	E-mail EDD To: <u>jane.field@urscorp.com</u>
	Sub Phase/Task: <u>03 - Analytical</u>	Invoice to: <u>Atlantic Richfield Company</u>
	Cost Element: <u>05 - Subcontracted Costs</u>	

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis				Sample Point Lat/Long and Comments	
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO / BTEX (\$260)	MTBE, TAME, ETBE (\$260)	DPE, TBA (\$260)	EDB, 1,2-DCA (\$260)		Ethanol (\$260)
1	MW-8	1405	04/23/06	X			MPF0952	3						X	X	X	X		
2	MW-9	1325		X			01	3						X	X	X	X		
3	MW-10	1300		X			02	3						X	X	X	X		
4	MW-11	1430		X			03	3						X	X	X	X		
5	TB-1120-06272006	-		X			MPF0952 05	2						X	X	X	X		on hold
6																			
7																			
8																			
9																			
10																			

Sampler's Name: <u>Sifera Corcoran</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>04/23/06</u>	Time: <u>1628</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>04/25/06</u>	Time: <u>1620</u>
Shipment Date: <u>06/10/06</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>06/20/06</u>	Time: <u>1550</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>06/27/06</u>	Time: <u>1550</u>
Shipment Method: _____	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>07/20/06</u>	Time: <u>1645</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>07/27/06</u>	Time: <u>1645</u>

Special Instructions: CC to rhmiller@broadbentinc.com

Labels In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt 2.3 PC Trip Blank Yes No

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: RP
 REC. BY (PRINT) EA
 WORKORDER: MPT-0952

DATE REC'D AT LAB: 6/27/06
 TIME REC'D AT LAB: 1645
 DATE LOGGED IN: 6/28/06

For Regulatory Purposes?
 DRINKING WATER YES/NO
 WASTE WATER YES/NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <u>Absent</u> Intact / Broken*									
2. Chain-of-Custody <u>Present</u> / Absent*									
3. Traffic Reports or Packing List: Present / <u>Absent</u>									
4. Airbill: Airbill / Sticker Present / <u>Absent</u>									
5. Airbill #:									
6. Sample Labels: <u>Present</u> / Absent									
7. Sample IDs: <u>Listed</u> / Not Listed on Chain-of-Custody									
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <u>Yes</u> / No*									
10. Sample received within hold time? <u>Yes</u> / No*									
11. Adequate sample volume received? <u>Yes</u> / No*									
12. Proper preservatives used? <u>Yes</u> / No*									
13. Trip-Blank / Temp Blank Received? <u>Yes</u> / No* (circle which, if yes):									
14. Read Temp: <u>2.3</u> Corrected Temp: <u>2.3°C</u> Is corrected temp $4 \pm 2^\circ\text{C}$? <u>Yes</u> / No**									

6/27/06 EA

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: B.P.
 REC. BY (PRINT): EA
 WORKORDER: MPT-0952

DATE REC'D AT LAB: 6/27/00
 TIME REC'D AT LAB: 1645
 DATE LOGGED IN: 6/28/00

For Regulatory Purposes?
 DRINKING WATER YES / NO
 WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / <u>Absent</u> Intact / Broken*									<div style="font-size: 2em; transform: rotate(-45deg); opacity: 0.5;"> 6/28/00 EA </div>
2. Chain-of-Custody	<u>Present</u> / Absent*									
3. Traffic Reports or Packing List:	Present / <u>Absent</u>									
4. Airbill:	Airbill / Sticker Present / <u>Absent</u>									
5. Airbill #:										
6. Sample Labels:	<u>Present</u> / Absent									
7. Sample IDs:	<u>Listed</u> / Not Listed on Chain-of-Custody									
8. Sample Condition:	<u>Intact</u> / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	<u>Yes</u> / No*									
10. Sample received within hold time?	<u>Yes</u> / No*									
11. Adequate sample volume received?	<u>Yes</u> / No*									
12. Proper preservatives used?	<u>Yes</u> / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes):	<u>Yes</u> / No*									
14. Read Temp: <u>2.3</u> Corrected Temp: <u>2.3-C</u> Is corrected temp 4 +/-2°C? <u>Yes</u> / No** <small>(Acceptance range for samples requiring thermal pres.)</small>										

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

WELL GAUGING DATA

Project # 060623-502 Date 06/23/06 Client BP 11/20

Site 6400 Dublin Blvd. Dublin, 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-10	2					5.83	19.55	↓
MW-9	2					8.56	19.59	
MW-8	2					8.14	19.59	
MW-11	2					8.65	19.39	
<p>*All caps opened ^{~15 min} prior to gauging wells to let them depressurize</p>								

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060623-502	Station # PP11120
Sampler: S. Conner	Date: 06/23/06
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.59	Depth to Water: 8.14
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 Sampling Method: Bailer

Disposable Bailer Disposable Bailer

Positive Air Displacement Extraction Port

Electric Submersible Other: _____

Extraction Pump

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.

1.9	x	3	=	5.7	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations
1342	69.9	7.2	2362	1.9	brnsh cldy
1348	70.1	7.9	2320	3.8	" "
1354	70.2	7.2	2289	5.7	" "

Did well dewater? Yes No Gallons actually evacuated: 5.7

Sampling Time: 1403 Sampling Date: 06/23/06

Sample I.D.: MW-8 Laboratory: Pace Sequoia Other _____

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: SeCOc

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 #: <u>060623-82</u>	Station # <u>BP11120</u>
Sampler: <u>S. Carmack</u>	Date: <u>06/23/06</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>19.59</u>	Depth to Water: <u>8.56</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer Disposable Bailer

Positive Air Displacement Extraction Port

Electric Submersible Other: _____

Extraction Pump

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.

<u>1.8</u>	x	<u>3</u>	=	<u>5.4</u>	Gals
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1313	70.9	7.7	1600	1.8	cldy brownish
1317	70.5	7.4	1818	3.6	" "
1321	70.2	7.3	2007	5.4	" "

Did well dewater? Yes No Gallons actually evacuated: 5.4

Sampling Time: 1325 Sampling Date: 06/23/06

Sample I.D.: MW-9 Laboratory: Pace (Sequoia) Other _____

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: See Cox

D.O. (if req'd):	Pre-purge:	$\frac{mg}{L}$	Post-purge:	$\frac{mg}{L}$
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>D60623-SC2</u>	Station # <u>BP11120</u>
Sampler: <u>S. Carmack</u>	Date: <u>06/23/06</u>
Well I.D.: <u>MW-10</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>19.55</u>	Depth to Water: <u>5.83</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Disposable Bailer Positive Air Displacement 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.

<u>2.2</u>	x	<u>3</u>	=	<u>6.6</u>	Gals
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
<u>1240</u>	<u>72.1</u>	<u>7.2</u>	<u>7078</u>	<u>2.2</u>	<u>brnish cloudy</u>
<u>1246</u>	<u>70.1</u>	<u>7.1</u>	<u>7580</u>	<u>4.4</u>	<u> </u>
<u>1250</u>	<u>71.7</u>	<u>7.0</u>	<u>7988</u>	<u>6.6</u>	<u> </u>

Did well dewater? Yes (No) Gallons actually evacuated: 6.6

Sampling Time: 1300 Sampling Date: 06/23/06

Sample I.D.: MW-10 Laboratory: Pace (Sequoia) Other _____

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: See Cd

D.O. (if req'd):	Pre-purge:	$\frac{mg}{L}$	Post-purge:	$\frac{mg}{L}$
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060623-SC2	Station # BP 11120
Sampler: S-Carnack	Date: 06/23/06
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.39	Depth to Water: 8.65
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 Sampling Method: Bailer

Disposable Bailer Disposable Bailer

Positive Air Displacement Extraction Port

Electric Submersible Other: _____

Extraction Pump

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.

1.7	x	3	=	5.1	Gals
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations
1416	70.0	7.3	2130	1.7	brn-ish ddy
1420	69.9	7.3	2122	3.4	" "
1424	69.7	7.2	2108	5.1	" "

Did well dewater? Yes No Gallons actually evacuated: 5.1

Sampling Time: 1430 Sampling Date: 06/23/06

Sample I.D.: MW-11 Laboratory: Pace Sequoia Other _____

Analyzed for: GRO BTEX MTBE DRO Oxy's I.2-DCA EDB Ethanol Other: See COC

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 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:

Station # BP 1120

Station Address
6400 Dublin Blvd. Dublin, CA

Total Gallons Collected From Groundwater Monitoring Wells:
~24.1

added equip. S
rinse water _____

any other adjustments _____

TOTAL GALS. RECOVERED 27

loaded onto BTS vehicle # 22

BTS event #
060623-SC2

time date
1440 06/23/06

signature [Signature]

REC'D AT _____ time _____ date 1/1

unloaded by _____ signature _____



WELLHEAD INSPECTION CHECKLIST
BP / GEM

Date 06/23/06
Site Address 6400 Dublin Blvd. Dublin, CA
Job Number 060623-SC2 Technician SC

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-10		X						
MW-9	X							
MW-8	X							
MW-11	X							

NOTES: _____

APPENDIX B

HISTORICAL GROUND-WATER ANALYTICAL DATA FOR FORMER WELLS
ABANDONED IN 1999 (SOURCE: ALISTO ENGINEERING)

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11120
 6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-1	(c) 10/27/92	328.96	8.19	320.77	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
MW-1	04/09/93	328.96	4.79	324.17	ND<50	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-1	08/25/93	328.96	6.85	322.11	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-1	11/22/93	328.96	7.38	321.58	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-1	03/07/94	328.96	5.89	323.07	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-1	06/09/94	328.96	6.42	322.54	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	4.3	PACE
MW-1	09/12/94	328.96	7.33	321.63	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	8.8	PACE
MW-1	12/20/94	328.96	6.34	322.62	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	7.6	PACE
MW-1	03/16/95	328.96	4.37	324.59	ND<50	---	---	---	---	---	---	---	---
MW-1	06/28/95	328.96	5.35	323.61	---	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	5.6	ATI
MW-1	09/06/95	328.96	6.44	322.52	ND<50	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---
MW-1	12/22/95	328.96	6.04	322.92	---	---	---	---	---	---	ND<5.0	7.4	ATI
MW-1	08/20/96	328.96	5.65	323.31	---	---	---	---	---	---	---	---	---
MW-1	08/21/96	328.96	---	---	---	---	---	---	---	---	---	---	---
MW-1	10/31/96	328.96	5.99	322.97	ND<50	160	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.8	SPL
MW-1	(d) 12/02/96	328.96	---	---	---	---	---	---	---	---	---	---	---
MW-1	(d) 06/26/98	328.96	---	---	---	---	---	---	---	---	---	---	---
MW-2	10/27/92	328.50	7.64	320.86	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
MW-2	04/09/93	328.50	4.12	324.38	ND<50	80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-2	08/25/93	328.50	6.31	322.19	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-2	11/22/93	328.50	7.12	321.38	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-2	03/07/94	328.50	5.60	322.90	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-2	06/09/94	328.50	5.91	322.59	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	4.3	PACE
MW-2	09/12/94	328.50	6.87	321.63	ND<50	160	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	8.2	PACE
MW-2	12/20/94	328.50	5.86	322.64	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	7.5	PACE
MW-2	03/16/95	328.50	3.77	324.73	ND<50	---	---	---	---	---	---	---	---
MW-2	06/28/95	328.50	3.77	324.73	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	6.6	ATI
MW-2	09/06/95	328.50	4.33	324.17	---	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	6.6	ATI
MW-2	12/22/95	328.50	5.50	322.65	ND<50	210	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---
MW-2	08/20/96	328.50	5.07	323.00	---	---	---	---	---	---	ND<5.0	7.0	ATI
MW-2	08/21/96	328.50	---	323.43	---	---	---	---	---	---	---	---	---
MW-2	10/31/96	328.50	5.44	---	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	7.0	SPL
MW-2	12/02/96	328.50	5.50	323.06	---	---	---	---	---	---	---	---	---
MW-2	03/27/97	328.50	4.61	323.00	---	---	---	---	---	---	---	---	---
MW-2	06/03/97	328.50	7.14	323.89	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.8	SPL
MW-2	09/16/97	328.50	6.10	321.36	---	---	---	---	---	---	---	---	---
MW-2	12/03/97	328.50	6.22	322.40	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.2	SPL
MW-2	09/26/98	328.50	4.86	322.28	---	---	---	---	---	---	---	---	---
				323.64	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.6	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11120
 6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-3	10/27/92	329.36	8.43	320.93	210	ND<50	3	0.7	0.9	30	—	—	—
MW-3	04/09/93	329.36	4.90	324.46	400	260	6.1	ND<0.5	ND<0.5	—	—	—	PACE
MW-3	08/25/93	329.36	7.13	322.23	2000	440	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-3	11/22/93	329.36	7.60	321.76	1900	360	ND<2.5	ND<2.5	ND<2.5	ND<2.5	3300	(e)	—
MW-3	03/07/94	329.36	6.08	323.28	1300	5000	22	4.0	2.2	3.8	7200	(e)	—
MW-3	05/09/94	329.36	6.51	322.85	8500	2600	25	8.3	0.5	15	13000	(e)	—
OC-1 (f)	06/09/94	—	—	—	8800	—	23	6.3	0.5	10	13000	(e)	—
MW-3	09/12/94	329.36	7.63	321.73	2100	3200	ND<5.0	ND<5.0	8.8	20	3800	(e)	—
OC-1 (f)	09/12/94	—	—	—	1800	—	ND<5.0	ND<5.0	8.0	10	3900	(e)	—
MW-3	12/20/94	329.36	6.41	322.95	18000	9600	79	28	89	9.3	—	—	—
OC-1 (f)	12/20/94	—	—	—	17000	—	79	33	80	ND<2.5	—	—	—
MW-3	03/16/95	329.36	4.39	324.97	6300	7000	470	ND<5.0	210	9.9	—	—	—
OC-1 (f)	03/16/95	—	—	—	6300	—	500	ND<5.0	230	13	—	—	—
MW-3	06/28/95	329.36	5.50	323.86	9000	3000	(g) ND<10	ND<10	ND<10	ND<20	—	—	—
OC-1 (f)	06/28/95	—	—	—	8800	—	(g) ND<10	ND<10	ND<10	ND<20	—	—	—
MW-3	09/06/95	329.36	6.66	322.70	10000	2800	ND<50	ND<50	ND<50	ND<100	37000	—	—
OC-1 (f)	09/06/95	—	—	—	9700	—	ND<50	ND<50	ND<50	ND<100	36000	—	—
MW-3	12/22/95	329.36	6.31	323.05	9200	2500	ND<50	ND<50	ND<50	ND<100	29000	6.7	ATI
MW-3	08/20/96	329.36	5.87	323.49	—	—	—	—	—	—	—	—	—
MW-3	08/21/96	329.36	—	—	3700	1900	ND<25	ND<50	ND<50	ND<50	4100	6.8	SPL
OC-1 (f)	08/21/96	—	—	—	3500	—	ND<25	ND<50	ND<50	ND<50	4000	—	—
MW-3	10/31/96	329.36	6.20	323.16	ND<250	ND<500	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	—	—
OC-1 (f)	10/31/96	—	—	—	ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	—	—
MW-3	12/02/96	329.36	6.27	323.09	ND<250	50	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	—	—
OC-1 (f)	12/02/96	—	—	—	ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	—	—
MW-3	03/27/97	329.36	5.39	323.97	470	ND<100	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	6.4	SPL
MW-3	06/03/97	320.36	7.92	321.44	ND<250	100	ND<2.5	ND<1.0	ND<1.0	ND<1.0	ND<50	—	—
OC-1 (f)	06/03/97	—	—	—	ND<250	—	ND<2.5	ND<1.0	ND<1.0	ND<1.0	ND<50	—	—
MW-3	09/16/97	329.36	6.67	322.69	ND<50	339	ND<2.5	ND<5.0	ND<5.0	ND<5.0	84	5.9	SPL
MW-3	12/03/97	329.36	6.81	322.55	ND<50	ND<200	ND<2.5	ND<1.0	ND<1.0	ND<1.0	74.0	—	—
OC-1 (f)	12/03/97	—	—	—	ND<50	—	ND<2.5	ND<1.0	ND<1.0	ND<1.0	ND<50	—	—
MW-3	06/26/98	329.36	5.08	324.28	ND<50	—	ND<2.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.0	SPL
					ND<250	—	—	ND<1.0	ND<1.0	ND<1.0	ND<10	—	—
								ND<5.0	ND<5.0	ND<5.0	ND<50	4.8	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11120
 6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-6	04/09/93	329.55	5.37	324.18	ND<50	ND<50							
MW-6	08/25/93	329.55	7.42	322.13	ND<50	170	ND<0.5	ND<0.5	ND<0.5	ND<0.5			PACE
MW-6	11/22/93	329.55	7.93	321.62	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5			PACE
MW-6	03/07/94	329.55	6.25	323.30	ND<50	90	ND<0.5	ND<0.5	ND<0.5	ND<0.5			PACE
MW-6	06/09/94	329.55	6.05	322.70	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5		4.2	PACE
MW-6	09/12/94	329.55	7.91	321.64	ND<50	240	ND<0.5	ND<0.5	ND<0.5	ND<0.5		7.0	PACE
MW-6	12/20/94	329.55	6.82	322.73								6.7	PACE
MW-6	03/16/95	329.55	4.78	324.77	ND<50	ND<500							
MW-6	06/20/95	329.55	5.97	323.58			ND<0.50	ND<0.50	ND<0.50	ND<1.0			
MW-6	09/06/95	329.55	6.94	322.61		340						6.1	ATI
MW-6	12/22/95	329.55	6.53	323.02	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0			
MW-6	08/20/96	329.55	6.18	323.37							ND<5.0	7.2	ATI
MW-6	08/21/96	329.55											
MW-6	10/31/96	329.55	6.52	323.03	ND<50	120							
MW-6	12/02/96	329.55	6.55	323.00			ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		SPL
MW-6	03/27/97	329.55	5.50	324.05									
MW-6	06/03/97	329.55	8.19	321.36	ND<50	ND<100							
MW-6	09/16/97	329.55	6.95	322.60			ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.3	SPL
MW-6	12/03/97	329.55	7.22	322.33	ND<250	680							
MW-6	06/26/98	329.55	5.20	324.35	ND<50		ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	5.5	SPL
MW-7	04/09/93	329.49	5.36	324.13	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.6	SPL
MW-7	08/25/93	329.49	7.44	322.05	ND<50	150	ND<0.5	ND<0.5	ND<0.5	ND<0.5			
MW-7	11/22/93	329.49	7.92	321.57	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5			PACE
MW-7	03/07/94	329.49	6.20	323.29	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5			PACE
MW-7	06/09/94	329.49	6.89	322.60	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5			PACE
MW-7	09/12/94	329.49	7.07	321.62	ND<50	50	ND<0.5	ND<0.5	ND<0.5	ND<0.5		3.7	PACE
MW-7	12/20/94	329.49	6.77	322.72	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5		6.8	PACE
MW-7	03/16/95	329.49	4.77	324.72	ND<50	ND<500	ND<0.5	ND<0.5	ND<0.5	ND<0.5		6.8	PACE
MW-7	06/20/95	329.49	5.94	323.55	ND<50	320	ND<0.50	ND<0.50	ND<0.50	ND<1.0		6.5	PACE
MW-7	09/06/95	329.49	6.98	322.51	ND<50	240	ND<0.50	ND<0.50	ND<0.50	ND<1.0		5.9	ATI
MW-7	12/22/95	329.49	6.65	322.84	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		7.8	ATI
MW-7	08/20/96	329.49	6.22	323.27			ND<0.50	ND<0.50	ND<0.50	ND<1.0	8.5	7.5	ATI
MW-7	08/21/96	329.49									7.2	6.9	ATI
MW-7	10/31/96	329.49	6.56	322.93	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0			
MW-7	12/02/96	329.49	6.13	323.36	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		SPL
MW-7	03/27/97	329.49	5.08	324.41	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	86	6.8	SPL
MW-7	06/03/97	329.49	7.00	321.69	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	59	7.3	SPL
MW-7	09/16/97	329.49	6.50	322.99	650	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.6	SPL
MW-7	12/03/97	329.49	6.66	322.83	120	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	630	6.8	SPL
MW-7 (h)	06/26/98	329.49	4.96	324.53	ND<50	ND<200	ND<0.5	ND<1.0	ND<1.0	ND<1.0	2200	6.0	SPL
							ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.0	SPL
									ND<1.0	ND<1.0	ND<10	5.1	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11120
 6100 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (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)	DO (ppm)	LAB
QC-2	(i) 08/25/93	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
QC-2	(i) 11/22/93	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2	(i) 03/07/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2	(i) 06/03/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2	(i) 09/12/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2	(i) 12/20/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2	(i) 03/16/95	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2	(i) 06/28/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	ATI
QC-2	(i) 09/06/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	ATI
QC-2	(i) 12/22/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0 ND<5.0	---	ATI ATI

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
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
---	Not analyzed/applicable/measured
PACE	Paco, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories

NOTES:

- (a) Top of casing elevations surveyed to an arbitrary datum.
- (b) Groundwater elevations relative to an arbitrary datum.
- (c) Analysis did not detect total oil and grease and halogenated volatile organic compounds above reported detection limits.
- (d) Well inaccessible.
- (e) A copy of the documentation for this data is included in Appendix C of Alisto report 10-170-05-001.
- (f) Blind duplicate.
- (g) MTBE peak. Refer to documentation for this data in Appendix C of Alisto report 10-170-05-001.
- (h) Analysis did not detect volatile organic compounds above reported detection limits.
- (i) Travel blank.

FD1110-170170-5-1.W02

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING FOR EPA METHOD 8260 ANALYSIS
 BP OIL COMPANY SERVICE STATION NO. 11120
 6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

*ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TBA (ug/l)	TAME (ug/l)	LAB
MW-4	06/26/98	ND<5	ND<5	ND<5	ND<5	ND<10	ND<10	ND<10	ND<500	ND<10	SPL
MW-7	06/26/98	ND<5	ND<5	ND<5	ND<5	ND<10	ND<10	ND<10	ND<500	ND<10	SPL

ABBREVIATIONS:

B Benzene
 T Toluene
 E Ethylbenzene
 X Total xylenes
 MTBE Methyl tert butyl ether
 DIPE Di-isopropyl ether
 ETBE Ethyl t-butyl ether
 TBA t-butyl ether
 TAME tert-amyl methyl ether
 ug/l Micrograms per liter
 ND Not detected above reported detection limit
 SPL Southern Petroleum Laboratories

F:\01\10-170\10-170EC.WQ2

APPENDIX C

GEOTRACKER UPLOAD CONFIRMATION

Station #11120

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UPLOADING A GEO_WELL FILE

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

<u>Submittal Title:</u>	2Q06 GEO_WELL
<u>Submittal Date/Time:</u>	7/24/2006 12:44:37 PM
<u>Confirmation Number:</u>	9996259927

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Confirmation Number: 2556940257
Date/Time of Submittal: 7/18/2006 3:35:51 PM
Facility Global ID: T0600101432
Facility Name: BP
Submittal Title: 2Q 06 GW Monitoring
Submittal Type: GW Monitoring Report

[Click here to view the detections report for this upload.](#)

BP 6400 DUBLIN BLVD DUBLIN, CA 94568	Regional Board - Case #: 01-1556 SAN FRANCISCO BAY RWQCB (REGION 2) Local Agency (lead agency) - Case #: 2095 ALAMEDA COUNTY LOP - (BC)
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<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
2556940257	2Q 06 GW Monitoring	Q2 2006
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Broadbent & Associates, Inc.	7/18/2006	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

FIELD QC SAMPLES

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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