



Atlantic Richfield Company  
(a BP affiliated company)

P.O. Box 1257  
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18 January 2008

Re: Fourth Quarter 2007 Status Report  
Former BP Service Station # 11109  
4280 Foothill Boulevard  
Oakland, California  
ACEH Case #RO0000426

**RECEIVED**

2:54 pm, Jan 25, 2008

Alameda County  
Environmental Health



"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 Manager

18 January 2008

Project No. 06-08-656

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

Attn.: Mr. Paul Supple

Re: Fourth Quarter 2007 Status Report, Former BP Service Station #11109, 4280 Foothill  
Boulevard, Oakland, Alameda County, California; ACEH Case No.RO0000426

Dear Mr. Supple:

Provided herein is the *Fourth Quarter 2007 Status Report* for Former BP Service Station #11109 (herein referred to as Station #11109) located at 4280 Foothill Boulevard, Oakland, California (Site). This reports presents a summary of current developments at the Site through Fourth Quarter 2007.

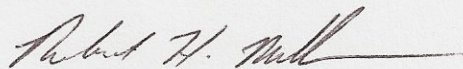
Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

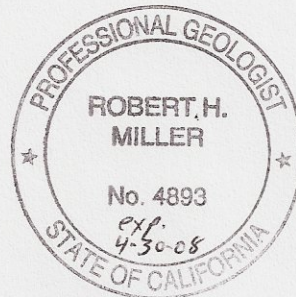
BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.  
Senior Engineer



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



Enclosures

cc: Mr. Steven Plunkett, Alameda County Environmental Health (Submitted via ACEH ftp Site)  
Ms. Shelby Lathrop, ConocoPhillips, 76 Broadway, Sacramento, California 95818  
Mr. Chris Jimmerson, Delta Environmental Consultants (Submitted via ENFOS)  
Electronic copy uploaded to GeoTracker

## STATION #11109 QUARTERLY STATUS REPORT

Facility: #11109	Address:	4280 Foothill Boulevard, Oakland
Environmental Business Manager:		Mr. Paul Supple
Consulting Co./Contact Persons:		Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus (530) 566-1400
Primary Agency/Regulatory ID No.:		Alameda County Environmental Health (ACEH) ACEH Case #RO0000426
Consultant Project No.:		06-08-656
Facility Permits/Permitting Agency:		NA

### WORK PERFORMED THIS QUARTER (Fourth Quarter 2007):

1. Prepared and submitted Third Quarter 2007 Semi-Annual Groundwater Monitoring Report.
2. Monthly free product gauging and bailing was conducted at the Site during the Fourth Quarter of 2007 by Stratus Environmental, Inc. (Stratus).

### WORK PROPOSED FOR NEXT QUARTER (First Quarter 2008):

1. Prepared and submitted this Fourth Quarter 2007 Status Report (contained herein).
2. Conduct semi-annual ground-water monitoring/sampling for First Quarter 2008.
3. Conduct monthly Site visits to monitor/bail free product.

### QUARTERLY RESULTS SUMMARY:

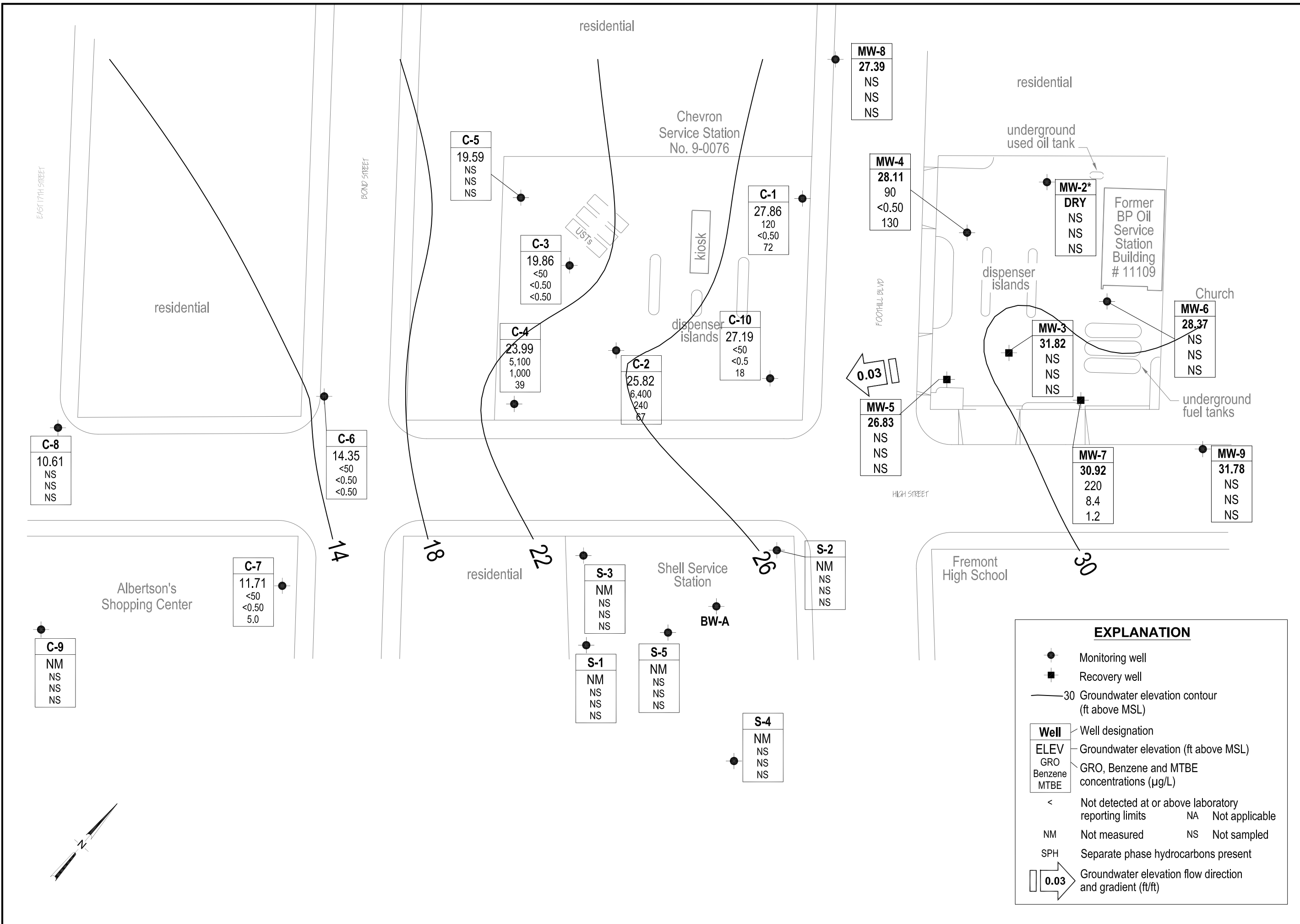
Current phase of project:	<b>Ground-water monitoring/sampling</b>
Frequency of ground-water monitoring:	<b>Monthly: MW-5</b> <b>Semi-Annually (1Q &amp; 3Q): MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, MW-9</b>
Frequency of ground-water sampling:	<b>Semi-Annually (1Q &amp; 3Q): MW-2, MW-4, MW-5, MW-7</b> <b>Annually (1Q): MW-3, MW-6, MW-8, MW-9</b>
Current remediation techniques:	<b>Monthly Free Product Bailing</b>
Is free product (FP) present on-site:	<b>Yes (MW-5)</b>
FP recovered this quarter:	<b>14 gallons (FP/water mixture)</b>
Depth to ground water (below TOC):	<b>NA</b>
General ground-water flow direction:	<b>NA</b>
Approximate hydraulic gradient:	<b>NA</b>

### DISCUSSION:

Monthly gauging and bailing of free product from well MW-5 was performed this quarter by Stratus Environmental Inc. (Stratus). On 17 October 2007, FP was measured at 0.35 feet in well MW-5. Approximately five and a half gallons of FP/water mixture was removed from well MW-5 during this visit. On 8 November 2007, Stratus measured 0.40 feet of FP in well MW-5. Approximately five gallons of FP/water mixture was removed from well MW-5 during this visit. On 12 December 2007, FP was measured at 0.52 feet in well MW-5. Approximately three and a half gallons of FP/water mixture were removed from MW-5 during this visit. An approximate total of 14 gallons of FP/water mixture were removed from well MW-5 during the three bailing events. Table 1 provides historical free product removal data from the Site. Field data sheets from Stratus' monthly free product bailing events can be found in Appendix A. The most recent analytical data can be referenced in the Third Quarter 2007 Semi-Annual Ground-Water Monitoring Report. A Ground-Water Elevation Contour and Analytical Summary Map from Third Quarter 2007 is provided as Drawing 1.

**ATTACHMENTS:**

- Drawing 1. Ground-Water Elevation Contours and Analytical Summary Map, 7 September 2007,  
Former BP Station #11109, 4280 Foothill Boulevard, Oakland, California
- Table 1. Summary of Free Product Removal, Former BP Service Station #11109,  
4280 Foothill Boulevard, Oakland, CA
- Appendix A. Stratus Field Data Sheets



**EXPLANATION**

- Monitoring well
- Recovery well
- 30 Groundwater elevation contour (ft above MSL)
- Well Well designation
- ELEV Groundwater elevation (ft above MSL)
- GRO GRO, Benzene and MTBE concentrations (µg/L)
- Benzene
- MTBE
- < Not detected at or above laboratory reporting limits NA Not applicable
- NM Not measured NS Not sampled
- SPH Separate phase hydrocarbons present
- 0.03 Groundwater elevation flow direction and gradient (ft/ft)

**Table 1**

**Summary of Free Product Removal**  
Former BP Service Station #11109  
4280 Foothill Boulevard, Oakland, CA

WELL ID	DATE OF MONITORING EVENT	DEPTH TO WATER (feet)	PRODUCT THICKNESS (feet)	PRODUCT REMOVED (gallons)	CUMULATIVE PRODUCT REMOVED (gallons)
MW-5	8/25/1999	--	--	0.070	0.070
MW-5	3/9/2000	--	--	0.400	0.470
MW-5	7/14/2003	12.72	0.03	0.019	0.489
MW-5	8/25/2003	14.04	0.00	0.000	0.489
MW-5	9/25/2003	14.38	0.08	0.052	0.542
MW-5	10/3/2003	12.15	0.06	0.040	0.582
MW-5	11/12/2003	12.74	0.19	0.120	0.702
MW-5	12/9/2003	11.44	0.03	0.040	0.742
MW-5	2/2/2004	6.47	0.04	0.030	0.772
MW-5	2/9/2004	10.61	0.04	0.030	0.802
MW-5	3/9/2004	7.91	--	--	0.800
MW-5	4/13/2004	9.68	0.28	0.200	0.820
MW-5	5/5/2004	11.93	Sheen	--	0.820
MW-5	6/3/2004	12.60	Sheen	--	0.820
MW-5	7/2/2004	11.11	0.10	0.060	0.880
MW-5	8/31/2004	12.80	0.05	0.132	1.012
MW-5	9/17/2004	12.13	0.15	--	1.012
MW-5	10/25/2004	10.66	0.26	0.170	1.182
MW-5	11/8/2004	9.98	0.02	0.020	1.202
MW-5	12/15/2004	8.76	0.01	0.010	1.212
MW-5	1/13/2005	7.12	--	--	1.212
MW-5	2/1/2005	8.10	0.01	0.007	1.219
MW-5	3/7/2005	8.62	0.02	0.013	1.232
MW-5	4/29/2005	9.39	--	--	1.232
MW-5	5/12/2005	7.51	0.01	0.007	1.239
MW-5	6/23/2005	7.70	--	--	1.239
MW-5	7/2/2005	10.81	--	--	1.239
MW-5	8/24/2005	10.53	--	--	1.239
MW-5	9/6/2005	11.16	0.18	0.119	1.358
MW-5	1/27/2006	9.02	0.02	0.013	1.252
MW-5	2/15/2006	8.38	0.02	0.013	1.265
MW-5	3/6/2006	8.60	Sheen	--	1.384
MW-5	4/21/2006	8.02	0.27	0.251	1.635
MW-5	5/30/2006	9.13	0.07	0.045	1.680
MW-5	6/27/2006	9.49	0.09	0.058	1.739
MW-5	7/31/2006	10.08	0.08	0.052	1.791
MW-5	8/28/2006	10.75	0.09	0.059	1.849
MW-5	9/5/2006	6.16	0.03	0.020	1.869
MW-5	10/1/2006	--	--	--	1.869
MW-5	11/1/2006	--	--	--	1.869
MW-5	12/1/2006	--	--	--	1.869
MW-5	1/1/2007	--	--	--	1.869
MW-5	2/1/2007	--	--	--	1.869
MW-5	3/5/2007	8.34	Sheen	--	1.869
MW-5	4/1/2007	--	--	--	1.869
MW-5	5/1/2007	--	--	--	1.869
MW-5	6/1/2007	--	--	--	1.869
MW-5	7/1/2007	---	---	---	1.869
MW-5	8/1/2007	---	---	---	1.869
MW-5	9/7/2007	15.15	0.15	---	1.869
MW-5	9/18/2007	15.42	0.02	4.00*	5.869*
MW-5	<b>10/17/2007</b>	<b>12.50</b>	<b>0.35</b>	<b>5.5*</b>	<b>11.369*</b>
MW-5	<b>11/8/2007</b>	<b>13.20</b>	<b>0.40</b>	<b>5.0*</b>	<b>16.369*</b>
MW-5	<b>12/12/2007</b>	<b>12.25</b>	<b>0.52</b>	<b>3.5*</b>	<b>19.869*</b>
			<b>FP Removed this Quarter:</b>		<b>14.000*</b>

**ABBREVIATIONS & SYMBOLS:**

-- = Not available/applicable/measured/calculated  
\* = FP/water mixture

**NOTES:**

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**

**STRATUS FIELD DATA SHEETS**









