

Atlantic Richfield Company

Chuck Carmel
Environmental Business Manager

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9:56 am, Jan 06, 2011

Alameda County
Environmental Health

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San Ramon, CA 94583
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January 5, 2011

Re: Fourth Quarter 2010 Status Report
Atlantic Richfield Company Station #2111
1156 Davis Street, San Leandro, California
ACEH Case #RO0000494

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,



Chuck Carmel
Environmental Business Manager

Attachment:

January 5, 2011

Project No. 06-88-615

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

Attn.: Mr. Chuck Carmel

Re: Fourth Quarter 2010 Status Report, Atlantic Richfield Company Station #2111
1156 Davis Street, San Leandro, California; ACEH Case #RO0000494

Dear Mr. Carmel:

Attached is the *Fourth Quarter 2010 Status Report* for Atlantic Richfield Company (a BP affiliated company) Station #2111 located at 1156 Davis Street, San Leandro, California (Site). This report presents a summary of current developments at the Site through the Fourth Quarter of 2010.

Should you have questions regarding this submittal, please do not hesitate to contact me at (707) 455-7290.

Sincerely,

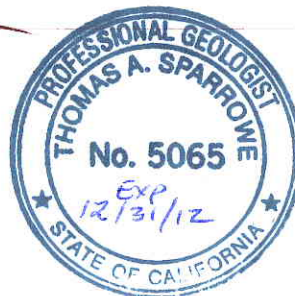
BROADBENT & ASSOCIATES, INC.



Eric Farrar
Senior Staff Scientist



Thomas A. Sparrowe, P.G.
Senior Geologist



Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp site)
Mr. Karl Busche, City of San Leandro Environmental Services Division, 835 East 14th Street,
San Leandro, California 94577 (Submitted via GeoTracker)
Electronic copy uploaded to GeoTracker

STATION #2111 QUARTERLY STATUS REPORT

Facility: #2111	Address:	1156 Davis Street, San Leandro, California
Environmental Business Manager:		Mr. Chuck Carmel
Consulting Co./Contact Person:		Broadbent & Associates, Inc.(BAI)/Mr. Tom Sparrowe, PG (707) 455-7290
Consultant Project No.:		06-88-615
Primary Agency/Regulatory ID No.:		Alameda County Environmental Health (ACEH) ACEH Case #RO0000494
Facility Permits/Permitting Agency:		City of San Leandro Special Discharge Permit SD-036; Bay Area Air Quality Management District Plant 16189

WORK PERFORMED THIS QUARTER (Fourth Quarter 2010):

1. Prepared and submitted *Third Quarter 2010 Semi-Annual Groundwater Monitoring Report* (BAI, 10/05/2010).
2. No environmental field activities were conducted during the Fourth Quarter 2010.

WORK PROPOSED FOR NEXT QUARTER (First Quarter 2011):

1. Prepare and submit *Fourth Quarter 2010 Status Report* to ACEH (contained herein).
2. Conduct First Quarter 2011 semi-annual groundwater monitoring and sampling event.
3. Prepare and submit *First Quarter 2011 Semi-Annual Groundwater Monitoring and Sampling Report*.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	Groundwater Monitoring/Sampling
Frequency of groundwater monitoring:	Semi-Annually (1Q & 3Q): MW-1 through MW-8
Frequency of groundwater sampling:	Semi-Annually (1Q & 3Q): MW-1 through MW-5, MW-7, and MW-8 Annually (3Q): MW-6
Is free product (FP) present on-site:	No
FP recovered this quarter:	NA
Cumulative FP recovered:	1.44 gallons (MW-2)
Depth to ground-water (below TOC):	NA
General ground-water flow direction:	NA
Approximate hydraulic gradient:	NA

DISCUSSION:

No environmental field work was conducted by Broadbent & Associates at the Site during the Fourth Quarter of 2010. The most recent groundwater monitoring/sampling occurred during the Third Quarter of 2010, the results of which are contained within the *Third Quarter 2010 Semi-Annual Groundwater Monitoring Report* (BAI, 10/05/2010). For reference, a site location map is provided as Drawing 1 and a July 23, 2010 groundwater elevation and analytical summary map is presented as Drawing 2.

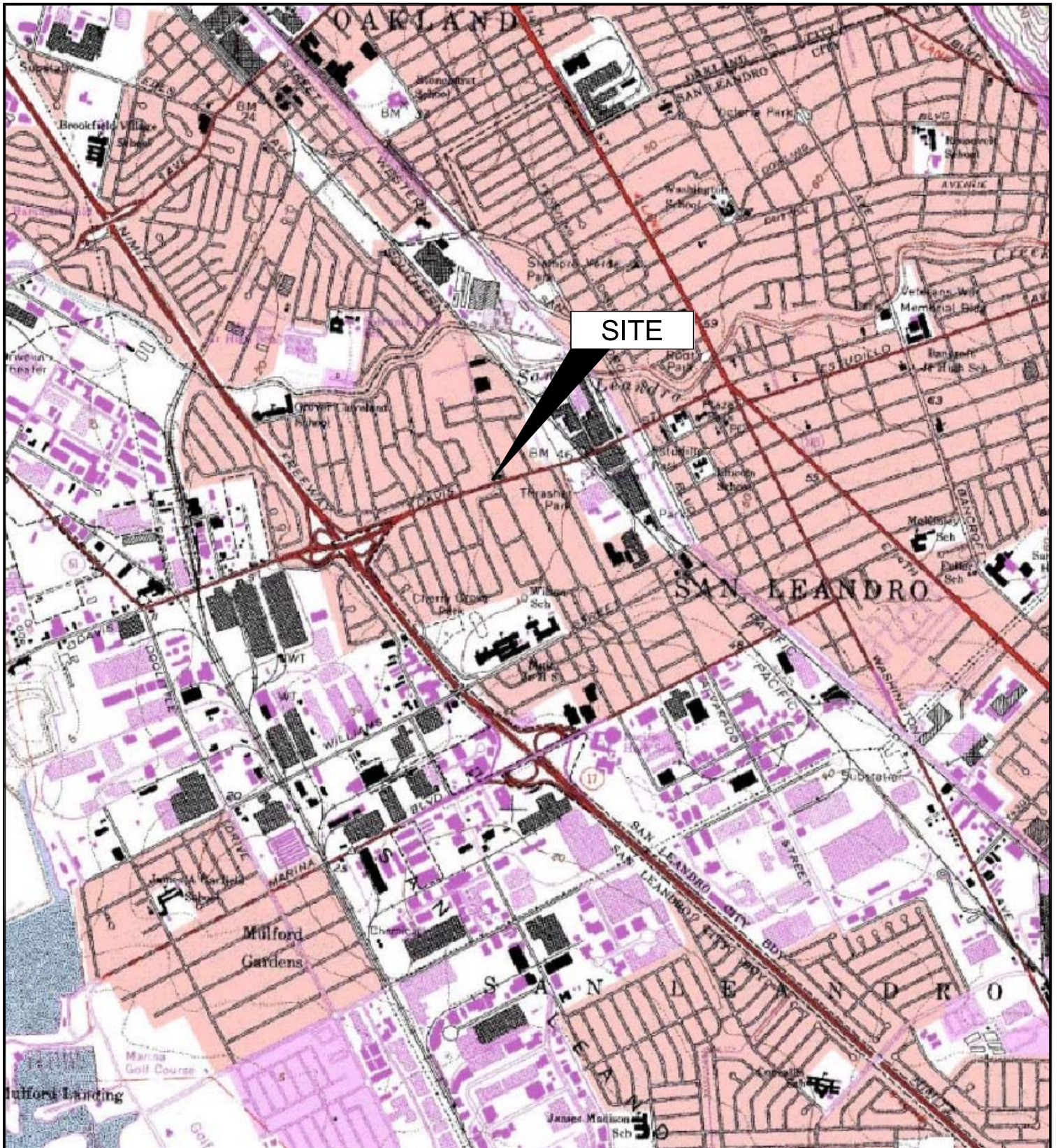
The remediation system was shutdown on September 29, 2009 due to decreasing concentration trends observed in the Site wells, the asymptotic mass removal conditions associated with the remediation

system, and the observed system influent concentrations. The shutdown was approved by ACEH in their letter dated September 24, 2009. Offsite investigation should continue to determine if a plume of petroleum hydrocarbons in groundwater presents an exposure hazard to downgradient receptors. In the ACEH letter dated September 29, 2009, ACEH requested the submittal of an addendum to the work plan for offsite monitoring well installation. In the BAI email to ACEH dated September 11, 2009, and as discussed in the Conclusions & Recommendations section of the *Third Quarter 2009 Ground-Water Monitoring and Remediation System Status Report* (BAI, 10/30/2009), BAI noted that it has been unsuccessful in obtaining offsite access to the downgradient strip mall at 1290 Davis Street. The September 11, 2009 email provided ACEH with evidence of this offsite access stalemate and requested that ACEH assist in obtaining offsite access if they were interested in determining whether an exposure hazard exists for the strip mall employees and visitors. BP and BAI have expressed to ACEH that it would be preferred not to mobilize twice to install the proposed offsite monitoring wells. In an email dated November 24, 2009, BAI requested that ACEH assist with obtaining access at 1290 Davis Street, or inform BP and BAI that offsite access in this downgradient direction will not be required. BP and BAI received an email response from the ACEH on December 4, 2009 stating that ACEH would send a letter to the offsite property owner. At this time, BP and BAI are awaiting correspondence from ACEH or access from the offsite property owner.

ATTACHMENTS:

- Drawing 1. Site Location Map, Station #2111, 1156 Davis Street, San Leandro, California
- Drawing 2. Groundwater Elevation Contour and Analytical Summary Map, July 23, 2010, Station #2111, 1156 Davis Street, San Leandro, California

DRAWINGS



SITE

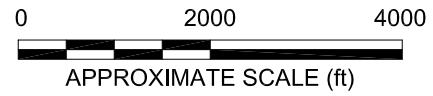
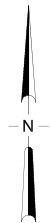


IMAGE SOURCE: USGS

PARKING

H-4

H-5

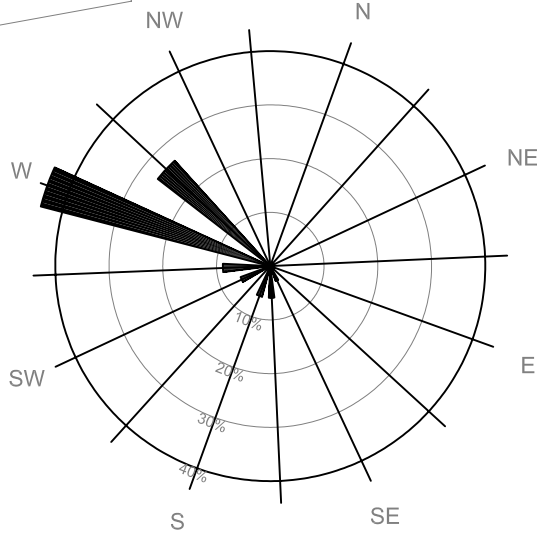
SB-1

0 40 80

SCALE (ft)

LEGEND

- ⊕ MONITORING WELL LOCATION
- ⊙ VAPOR EXTRACTION WELL LOCATION
- DESTROYED WELL LOCATION
- Well WELL DESIGNATION
- ELEV GROUND-WATER ELEVATION (FT)
- GRO CONCENTRATIONS OF GRO, BENZENE & MTBE IN MICROGRAMS PER LITER (µg/L)
- MTBE
- A/Q SAMPLING FREQUENCY
- ← 0.002 GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)
- 23.0 GROUND-WATER ELEVATION CONTOUR (FT)
- SA(1,3) SAMPLED SEMI-ANNUALLY
- A(3) SAMPLED ANNUALLY, THIRD QUARTER
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT
- NS NOT SAMPLED
- NM NOT MEASURED
- * WELL NOT USED TO GENERATE CONTOURS



MW-1
 22.38
 <50
 <0.50
 1.3
 SA(1,3)

MW-3
 22.85
 <50
 <0.50
 0.85
 SA(1,3)

MW-4
 22.63
 <50
 <0.50
 0.52
 SA(1,3)

MW-8
 22.89
 <50
 <0.50
 8.2
 SA(1,3)

MW-6
 23.20
 <50
 <0.50
 <0.50
 A(3)

MW-5
 22.14
 <50
 <0.50
 <0.50
 SA(1,3)

MW-2
 22.49
 330
 <2.0
 6.5
 SA(1,3)

MW-7
 23.04
 210
 <0.50
 1,000
 SA(1,3)

