

Atlantic Richfield Company

Chuck Carmel
Environmental Business Manager

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9:12 am, Feb 01, 2010

Alameda County
Environmental Health

PO Box 1257
San Ramon, CA 94583
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22 January 2010

Re: Fourth Quarter 2009 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:

22 January 2010

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 2009 Status Report, Atlantic Richfield Company Station #2111
1156 Davis Street, San Leandro, California; ACEH Case #RO0000494

Dear Mr. Carmel:

Attached is the *Fourth Quarter 2009 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 2009.

Should you have questions regarding this submittal, please do not hesitate to contact me at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.
Senior Engineer



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 Venus, PE (530) 566-1400
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 2009):

1. Prepared and submitted *Third Quarter 2009 Ground-Water Monitoring and Remediation System Status Report* (BAI, 10/30/2009).
2. Prepared and submitted Monthly Discharge Reports (of zero discharge) for October, November, and December 2009 to City of San Leandro Environmental Services Division.
3. No environmental field activities were conducted during the Fourth Quarter 2009.

WORK PROPOSED FOR NEXT QUARTER (First Quarter 2010):

1. Prepared and submitted *Fourth Quarter 2009 Status Report* to ACEH (contained herein).
2. Prepare and submit Monthly Discharge Reports for January, February, and March 2010 to City of San Leandro Environmental Services Division.
3. Conduct First Quarter 2010 semi-annual ground-water monitoring and sampling event.
4. No environmental field activities are presently scheduled for completion during the First Quarter of 2010.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	Ground-Water Monitoring/Sampling
Frequency of ground-water monitoring:	Semi-Annually (1Q & 3Q): MW-1 through MW-8
Frequency of ground-water 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:	0 gallons
Cumulative FP recovered:	1.44 gallons (MW-2)
Depth to ground-water (below TOC):	NM
General ground-water flow direction:	NM
Approximate hydraulic gradient:	NM

DISCUSSION:

No environmental field work was conducted by Broadbent & Associates at the Site during the Fourth Quarter of 2009. The most recent ground-water monitoring/sampling occurred during the Third Quarter of 2009, the results of which are contained within the *Third Quarter 2009 Ground-Water Monitoring and Remediation System Status Report* (BAI, 10/30/2009). For immediate reference, a site

location map is provided as Drawing 1 and a ground-water elevation and analytical summary map dated 13 August 2009 is provided as Drawing 2.

The system was shutdown on 29 September 2009 due to decreasing concentration trends observed in the wells associated with the Site, 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 24 September 2009. Offsite investigation should continue to determine if a plume of petroleum hydrocarbons in ground water presents an exposure hazard to downgradient receptors. In the ACEH letter dated 29 September 2009, ACEH requested the submittal of an Addendum to the work plan for offsite monitoring well installation. In the BAI email to ACEH dated 11 September 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 11 September 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 offsite monitoring wells proposed. In an email dated 24 November 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 4 December 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. Ground-Water Elevation Contour and Analytical Summary Map, 13 August 2009, Station #2111, 1156 Davis Street, San Leandro, California

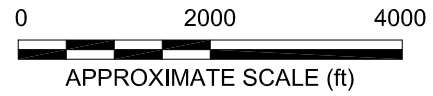
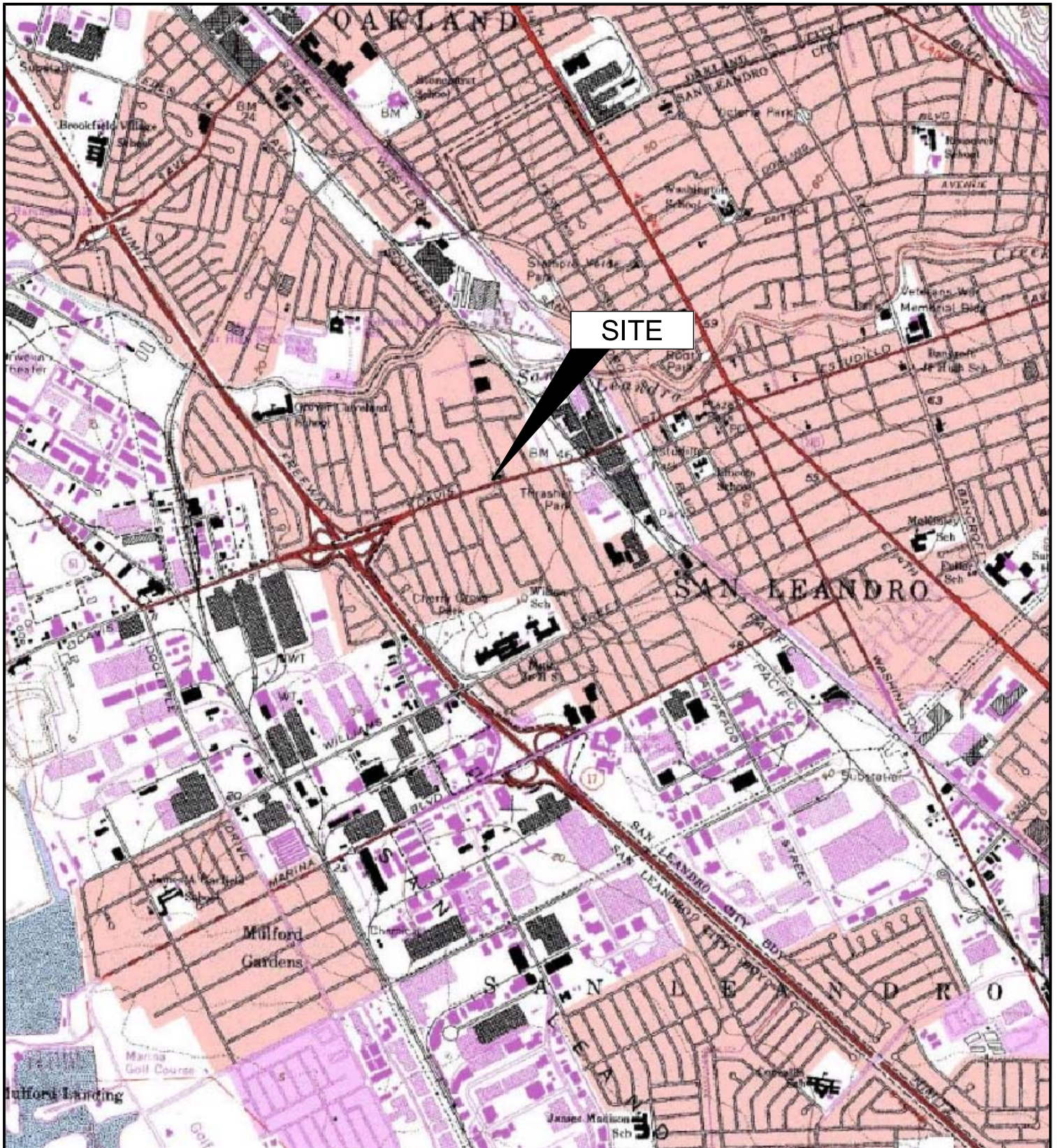


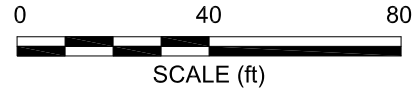
IMAGE SOURCE: USGS

PARKING

H-4

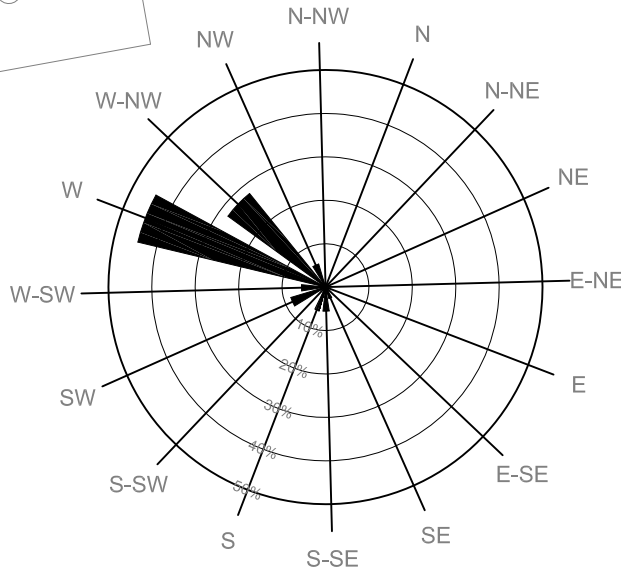
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SB-1



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
- ← 0.006 GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)
- 21.3 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
21.48
<50
<0.50
5.5
SA(1,3)

MW-3
20.44*
<50
<0.50
2.7
SA(1,3)

MW-8
21.41
<50
<0.50
7.5
SA(1,3)

MW-4
21.12
<50
<0.50
0.65
SA(1,3)

MW-6
21.31
<50
<0.50
A(3)

MW-5
20.82
<50
<1.0
1.3
SA(1,3)

MW-2
20.98
330
<10
39
SA(1,3)

MW-7
14.44*
<50
<0.50
21
SA(1,3)

