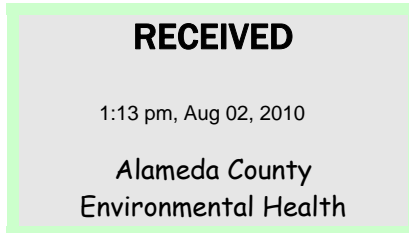


# Atlantic Richfield Company

**Chuck Carmel**  
Environmental Business Manager

PO Box 1257  
San Ramon, CA 94583  
Phone: (925) 275-3803  
Fax: (925) 275-3815  
E-Mail: charles.carmel@bp.com



July 20, 2010

Re: Second 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,

A handwritten signature in black ink, appearing to be "Chuck Carmel", enclosed within a hand-drawn oval.

Chuck Carmel  
Environmental Business Manager

Attachment:

Broadbent & Associates, Inc.  
875 Cotting Ln., Suite G  
Vacaville, CA 95688  
(707) 455-7290 Tel  
(707) 455-7295 Fax



July 20, 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: Second Quarter 2010 Status Report, Atlantic Richfield Company Station #2111  
1156 Davis Street, San Leandro, California; ACEH Case #RO0000494

Dear Mr. Carmel:

Attached is the *Second 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 Second Quarter of 2010.

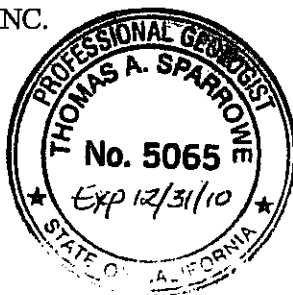
Should you have questions regarding this submittal, please do not hesitate to contact me at (707) 455-7290.

Sincerely,

BROADBENT & ASSOCIATES, INC.

A handwritten signature in cursive script that reads 'Thomas A. Sparrowe'.

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 14<sup>th</sup> 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 (Second Quarter 2010):

1. Prepared and submitted *First Quarter 2010 Semi-Annual Ground-Water Monitoring Report* (BAI, 4/30/2010).
2. No environmental field activities were conducted during the Second Quarter 2010.

### WORK PROPOSED FOR NEXT QUARTER (Third Quarter 2010):

1. Prepared and submitted *Second Quarter 2010 Status Report* to ACEH (contained herein).
2. Conduct Third Quarter 2010 semi-annual groundwater monitoring and sampling event.
3. Prepare and submit *Third Quarter 2010 Groundwater Monitoring and Sampling Report*.

### QUARTERLY RESULTS SUMMARY:

Current phase of project:	<b>Groundwater Monitoring/Sampling</b>
Frequency of groundwater monitoring:	<b>Semi-Annually (1Q &amp; 3Q): MW-1 through MW-8</b>
Frequency of groundwater sampling:	<b>Semi-Annually (1Q &amp; 3Q): MW-1 through MW-5, MW-7, and MW-8</b> <b>Annually (3Q): MW-6</b>
Is free product (FP) present on-site:	<b>No</b>
FP recovered this quarter:	<b>NA</b>
Cumulative FP recovered:	<b>1.44 gallons (MW-2)</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:

No environmental field work was conducted by Broadbent & Associates at the Site during the Second Quarter of 2010. The most recent groundwater monitoring/sampling occurred during the First Quarter of 2010, the results of which are contained within the *First Quarter 2010 Groundwater Monitoring and Remediation System Status Report* (BAI, 4/30/2010). For immediate reference, a site location map is provided as Drawing 1 and a February 18, 2010 groundwater elevation and analytical summary map is presented as Drawing 2.

The 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. Ground-Water Elevation Contour and Analytical Summary Map, February 18, 2010, Station #2111, 1156 Davis Street, San Leandro, California



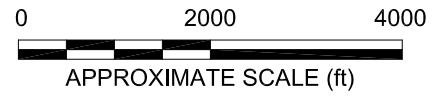
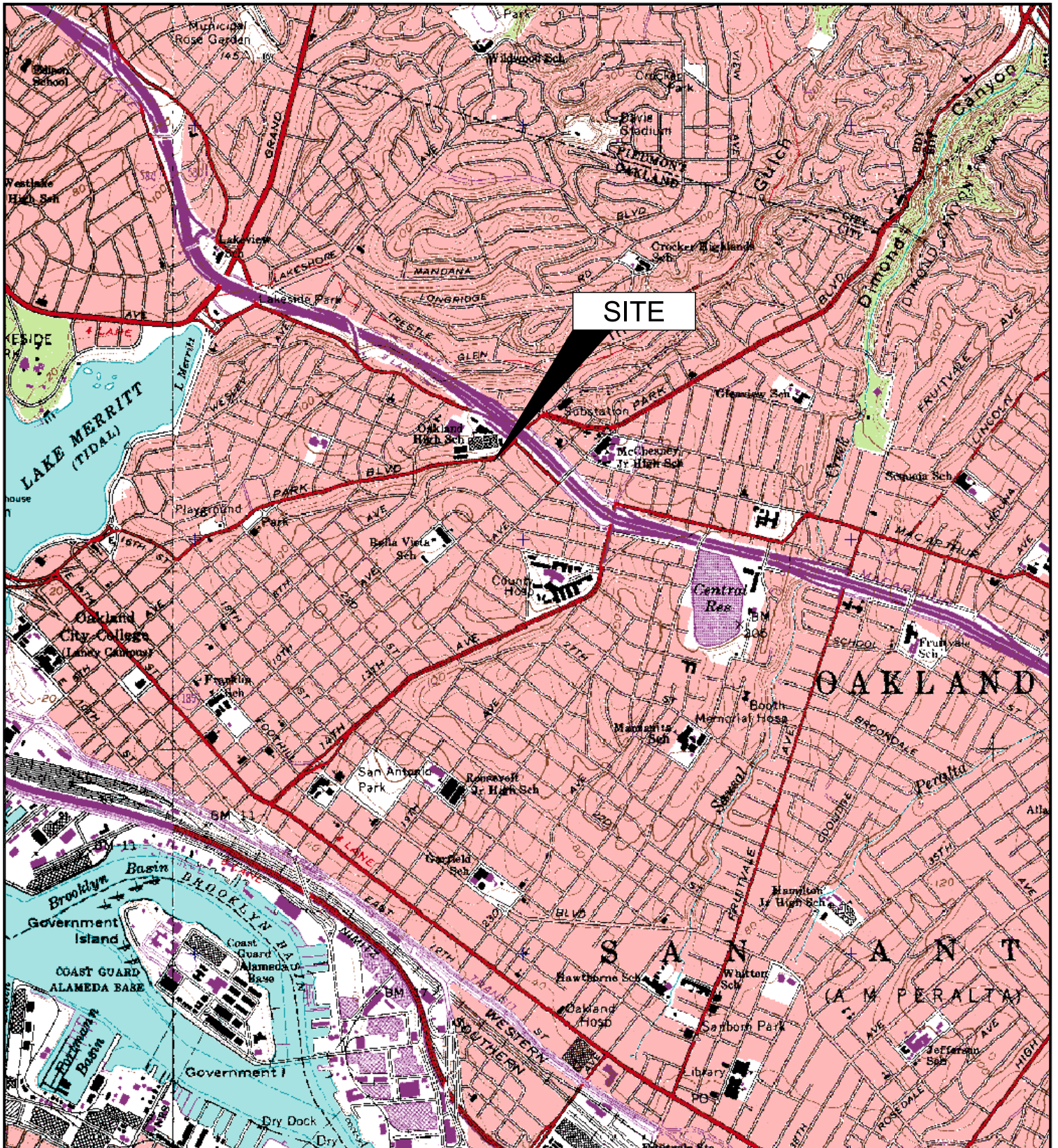


IMAGE SOURCE: USGS

**BROADBENT & ASSOCIATES, INC**  
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL  
 1324 Mangrove Ave, Suite 212, Chico, CA 95926  
 Project No.: 06-88-614 Date: 07/22/09

Station #2107  
 3310 Park Boulevard  
 Oakland, California

Site Location Map

Drawing  
**1**



Oakland High School

MW-13A	MW-13B
111.12*	111.65
<50	<50
<0.50	<0.50
15	19
Q	Q

MW-12A	MW-12B
111.51*	109.77
<50	52
<0.50	<5.0
32	620
Q	Q

PARK BLVD.

MW-11B	MW-11A
113.72	111.95*
68	1,300
<2.5	20
180	340
Q	Q

E. 34th ST.

33rd St.

Building

PARKING STALLS

**LEGEND**

- MONITORING WELL LOCATION
- DESTROYED WELL LOCATION
- HYDRO PUNCH LOCATION
- SOIL BORING LOCATION
- HYRDO PUNCH AND SOIL BORING LOCATION

Well	WELL DESIGNATION
ELEV	GROUND-WATER ELEVATION (FT NAVD88)
GRO	CONCENTRATIONS OF GRO, BENZENE & MTBE IN MICROGRAMS PER LITER (µg/L)
Benzene	
MTBE	
Q	SAMPLING FREQUENCY

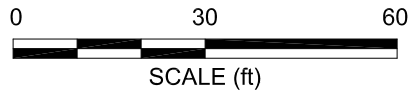
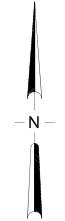
GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)

— 111 GROUND-WATER ELEVATION CONTOUR (FEET)

Q SAMPLED QUARTERLY

< NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT

\* WELL NOT USED TO GENERATE CONTOURS



**BROADBENT & ASSOCIATES, INC.**  
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL  
 1324 Mangrove Ave. Suite 212, Chico, California  
 Project No.: 06-88-614 Date: 03/24/10

Station #2107  
 3310 Park Boulevard  
 Oakland, California

Ground-Water Elevation Contours  
 and Analytical Summary Map  
 19 February 2010

Drawing  
**2**