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**Alameda County  
Environmental Health**

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Re: Third Quarter 2009 Status Report  
Former BP Station # 11266  
1541 Park Street  
Alameda, California  
ACEH Case # RO0000318

Environmental

"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."

Date:  
10/05/2009

Submitted by:

Hollis E. Phillips, PG  
Senior Geologist

Contact:  
Hollis Phillips

Phone:  
415.374.2744 x13

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[hollis.phillips@arcadis-us.com](mailto:hollis.phillips@arcadis-us.com)

Our ref:  
GP09BPNA.0000

5 October 2009

Project No. 06-08-658

ARCADIS-US, Inc.  
100 Montgomery Street, Ste. 300  
San Francisco, California 94104

Attn.: Ms. Hollis Phillips, PG – Senior Geologist

Re: Third Quarter 2009 Status Report, Former BP Station #11266  
1541 Park Street, Alameda, California; ACEH Case #RO0000318


Dear Ms. Phillips:

Provided herein is the *Third Quarter 2009 Status Report* for Former BP Station #11266 (herein referred to as Station #11266) located at 1541 Park Street, Alameda, California. This report presents a summary of current developments at the Site through Third Quarter 2009.

Should you have questions regarding this submission, 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)  
Electronic copy uploaded to GeoTracker

## STATION #11266 QUARTERLY GROUND-WATER STATUS REPORT

Facility: #11266	Address: 1541 Park Street, Alameda, California
ARCADIS Project Manager:	Ms. Hollis Phillips, PG
Consulting Company/Contact Person:	Broadbent & Associates, Inc.(BAI)/Mr. Tom Venus, PE (530)566-1400
Consultant Project No.:	06-08-658
Primary Agency/Regulatory ID No.:	Alameda County Environmental Health (ACEH) ACEH Case #RO0000318

### WORK PERFORMED THIS QUARTER (Third Quarter 2009):

1. Prepared and submitted the *On-Site Soil Investigation and Second Quarter 2009 Ground-Water Monitoring Report* (BAI, 8/14/2009).
2. No environmental work was conducted at the site during the Third Quarter of 2009.

### WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2009):

1. Prepared and submitted this Third Quarter 2009 Status Report (contained herein).
2. Respond to letter dated 3 September 2009 from Mr. Pares Khatri of ACEH.

### DISCUSSION:

Case closure was requested from ACEH on 21 February 2003. In a letter dated 7 July 2006, ACEH requested rehabilitation, redevelopment, ground-water monitoring and sampling of the onsite monitoring wells to resume the site closure process. A summary of well rehabilitation/redevelopment, and ground-water monitoring and sampling results were presented in the *Third Quarter 2006 Ground-Water Monitoring Report* (BAI, 25 October 2006). In a letter dated 16 October 2008, ACEH requested confirmation soil sampling and contaminant source area characterization, including submittal of a soil and water investigation work plan by 15 December 2008. On 15 December 2008, BAI submitted the requested *Work Plan for Soil & Ground-Water Investigation*. In a letter dated 8 April 2009, ACEH approved the submitted *Work Plan for Soil & Ground-Water Investigation* with comments requesting the installation of an additional soil boring immediately adjacent to historic soil sample C-1.

BP's Management of Change safety policy prohibits BP contractors from changing the scope of work presented in a work plan without revision and resubmission of the work plan with revised scope of work. On 8 May 2009, BAI submitted the *Addendum Work Plan for Soil & Water Investigation* to ACEH. Within the addendum work plan BAI relocated the originally proposed soil boring B-1 to be closer to historic soil sample C-1. The addendum work plan also notified ACEH that "if pea gravel is encountered during advancement of the borings, the boring locations will be immediately abandoned, as required by BP safety policy." ACEH did not respond to the addendum work plan prior to implementation of the field work on 10 June 2009 (The field work was not rescheduled since ACEH did not allow for extension of the due date for the on-site soil investigation report).

As reported in the *On-site Soil Investigation and Second Quarter Ground-Water Monitoring Report* (BAI, 8/14/2009) pea gravel was encountered under the concrete pump island slab in the boring location B-1 near historic soil sample C-1. Consistent with the work plan and BP safety policy, a stop work order was issued for boring B-1. No petroleum hydrocarbons, halogenated or non-halogenated volatile organic compounds were detected in the four soil samples collected from boring B-2. Ground-water contaminant concentrations above reporting limits were observed in three of the six wells sampled during the one-time monitoring event conducted on 30 June 2009. For reference, a Site Location Map is

provided as Drawing 1 and a Ground-Water Elevation Contour and Analytical Summary Map from Second Quarter 2009 is provided as Drawing 2.

**ATTACHMENTS:**

Drawing 1      Site Location Map, Former BP Service Station #11266, 1541 Park Street, Alameda, California

Drawing 2      Ground-Water Elevation Contour and Analytical Summary Map, 30 June 2009, Former BP Service Station #11266, 1541 Park Street, Alameda, California

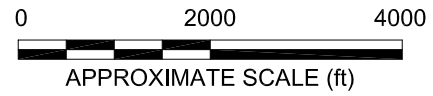
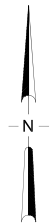
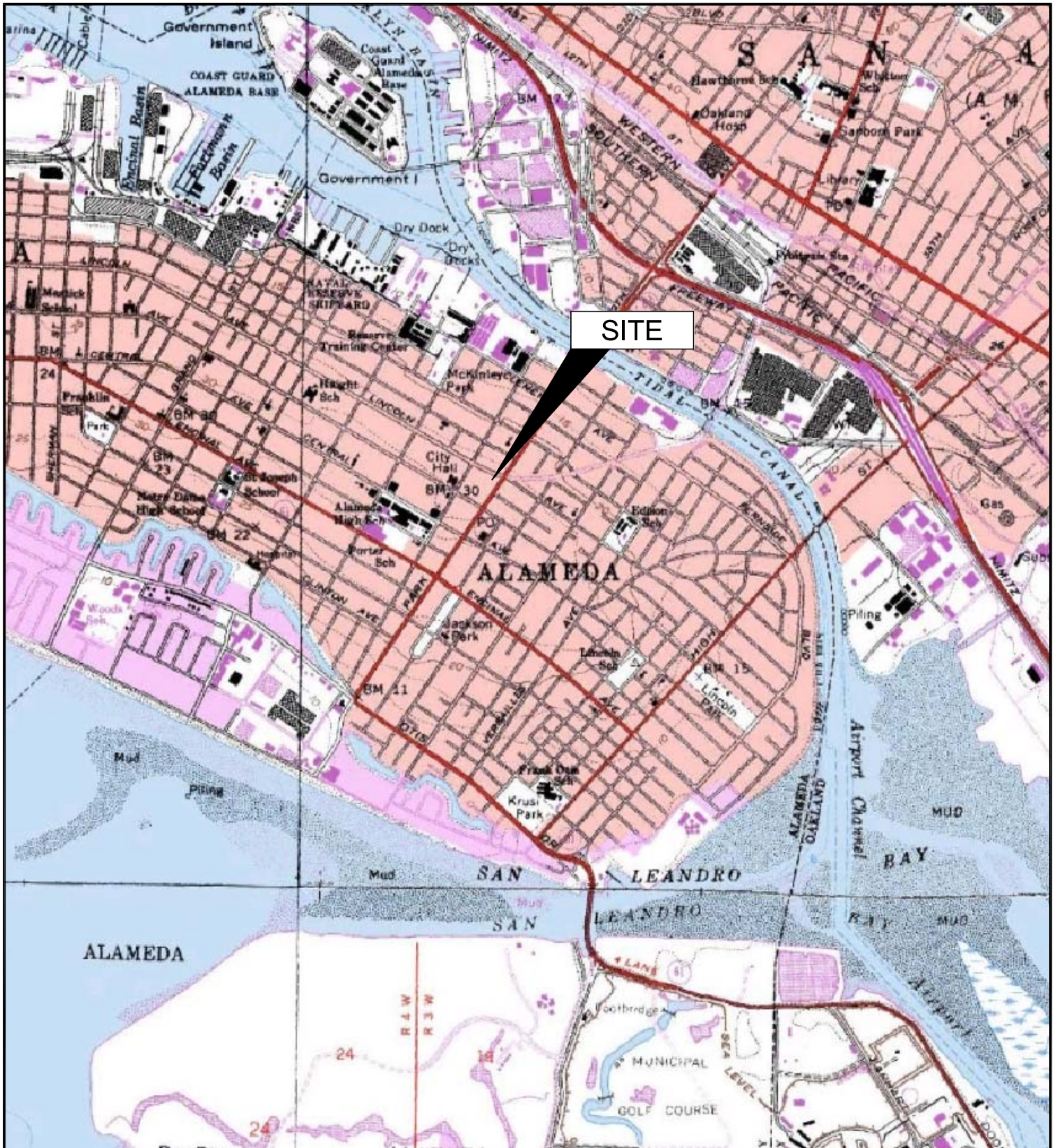





IMAGE SOURCE: USGS


**LEGEND**

-  Monitoring well
-  Recovery well
-  Soil Boring

<b>Well</b>	Well designation
<b>ELEV</b>	Ground-water elevation (ft above NAVD88)
<b>GRO</b>	Concentration of GRO, Benzene and MTBE in ground water (µg/L)
<b>Q</b>	Sampling frequency

- AN As Needed
- NS Not sampled
- NM Not measured
- < Not detected at or above laboratory reporting limits

— 20.0 Ground-water elevation contour (ft/NAVD88)

 0.01 Approximate ground-water flow direction and gradient (ft/ft)

\* Not used in contouring

