

Atlantic Richfield Company

Shannon Couch
Operations Project Manager

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RECEIVED

8:57 am, Jan 09, 2012

Alameda County
Environmental Health

January 5, 2012

Re: Fourth Quarter 2011 Status Report
Former Richfield Oil Company Station #472
6415 International Boulevard, Oakland, California
ACEH Case #RO0002982

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,



Shannon Couch
Operations Project Manager

Attachment

January 5, 2012

Project No. 09-88-601

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

Attn.: Ms. Shannon Couch

Re: Fourth Quarter 2011 Status Report, Former Richfield Oil Company Station #472,
6415 International Boulevard, Oakland, California; ACEH Case #RO0002982

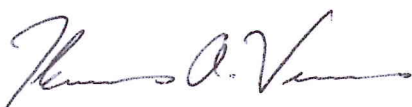
Dear Ms. Couch:

Attached is the Fourth Quarter 2011 Status Report for Former Richfield Oil Company Station #472 located at 6415 International Boulevard, Oakland, California. This report reminds the Alameda County Environmental Health (ACEH) that a *Case Evaluation and Justification for No Further Action* (Broadbent, 11/28/2011). In light of the findings contained therein, Broadbent recommends discontinuation of the periodic groundwater monitoring at this Site.

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. Mahmud Ghanem, 6207 International Boulevard, Oakland, California 94621
Electronic copy uploaded to GeoTracker

**FOURTH QUARTER 2011
STATUS REPORT
FORMER STATION #472, OAKLAND, CALIFORNIA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Fourth Quarter 2011 Status Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for Former Richfield Oil Company Station #472 located in Oakland, Alameda County, California. Quarterly reporting is being submitted to the Alameda County Environmental Health Services Agency (ACEH) consistent with their requirements under the legal authority of the California Regional Water Quality Control Board, as codified by California Code of Regulations Title 23, Section 2652(d). A summary description of current developments regarding the site is provided below.

Facility Name / Address:	<u>Former Station #472 / 6415 International Boulevard, Oakland</u>
Client Project Manager / Title:	<u>Ms. Shannon Couch / RM Operations Project Manager</u>
Broadbent Contact:	<u>Mr. Tom Venus, PE / (530) 566-1400</u>
Broadbent Project No.:	<u>09-88-601</u>
Primary Regulatory Agency / ID No.:	<u>ACEH, Case #RO0002982</u>
Current phase of project:	<u>Assessment</u>
List of Acronyms / Abbreviations:	<u>See end of report text for list of acronyms/abbreviations used in report.</u>

WORK PERFORMED THIS QUARTER (Fourth Quarter 2011):

1. Submitted *Third Quarter 2011 Monitoring Report* (Broadbent, 10/31/2011).
2. No environmental field work was conducted at Former Station #472 during the Fourth Quarter 2011.
3. Submitted Case Evaluation and Justification for No Further Action (Broadbent 11/28/2011).

WORK SCHEDULED FOR NEXT QUARTER (First Quarter 2012):

1. Submit *Fourth Quarter 2011 Status Report* (contained herein).
2. Perform proposed last groundwater monitoring/sampling event during First Quarter 2012.

DISCUSSION:

As Broadbent has stated in past quarterly reports, the ACEH is encouraged to review this case as a candidate for site closure. To assist the ACEH with this effort, Broadbent submitted a *Case Evaluation and Justification for No Further Action* report on November 28, 2011. The subject environmental case has been open for over four years. One or two USTs were previously removed from the northeast corner of the property prior to 1976, but no soil sampling data or removal report were found to confirm the information given. Low levels of petroleum hydrocarbon contamination were found during a Limited Phase II environmental site investigation conducted by others in 2008. Contaminant concentrations of GRO, DRO, BTEX, and MTBE are presently minimal or non-existent at the Site. No wells or surface water bodies are likely to be affected by the Site. These observations, plus additional lines of evidence presented in the *Case Evaluation and Justification for No Further Action* report are the basis for the closure request. In light of the findings contained therein, Broadbent recommends discontinuation of the periodic groundwater monitoring at this Site. This recommendation was previously presented in the *Second Quarter 2011 Semi-Annual Monitoring Report* (Broadbent, 10/31/2011). For reference a Site Location Map is provided as Drawing 1.

ATTACHMENT:

Drawing 1: Site Location Map

LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:

ACEH:	Alameda County Environmental Health	ft/ft:	feet per foot
ACPWA:	Alameda County Public Works Agency	gal:	Gallons
BTEX:	Benzene, Toluene, Ethylbenzene, Total Xylenes	GRO:	Gasoline-Range Organics
1,2-DCA:	1,2-Dichloroethane	LNAPL:	Light Non-Aqueous Phase Liquid
DIPE:	Di-Isopropyl Ether	MTBE:	Methyl Tertiary Butyl Ether
DO:	Dissolved Oxygen	NO ₃ :	Nitrate as Nitrogen
DRO:	Diesel-Range Organics	ppb:	parts per billion
EDB:	1,2-Dibromomethane	SO ₄ :	Sulfate
Eh:	Oxidation Reduction Potential	TAME:	Tert-Amyl Methyl Ether
EPA:	Environmental Protection Agency	TBA:	Tertiary Butyl Ether
ETBE:	Ethyl Tertiary Butyl Ether	TOC:	Top of Casing
Fe ²⁺ :	Ferrous Iron	µg/L:	micrograms per liter

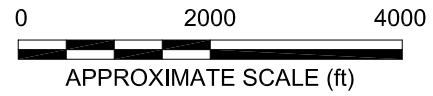
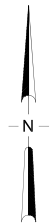
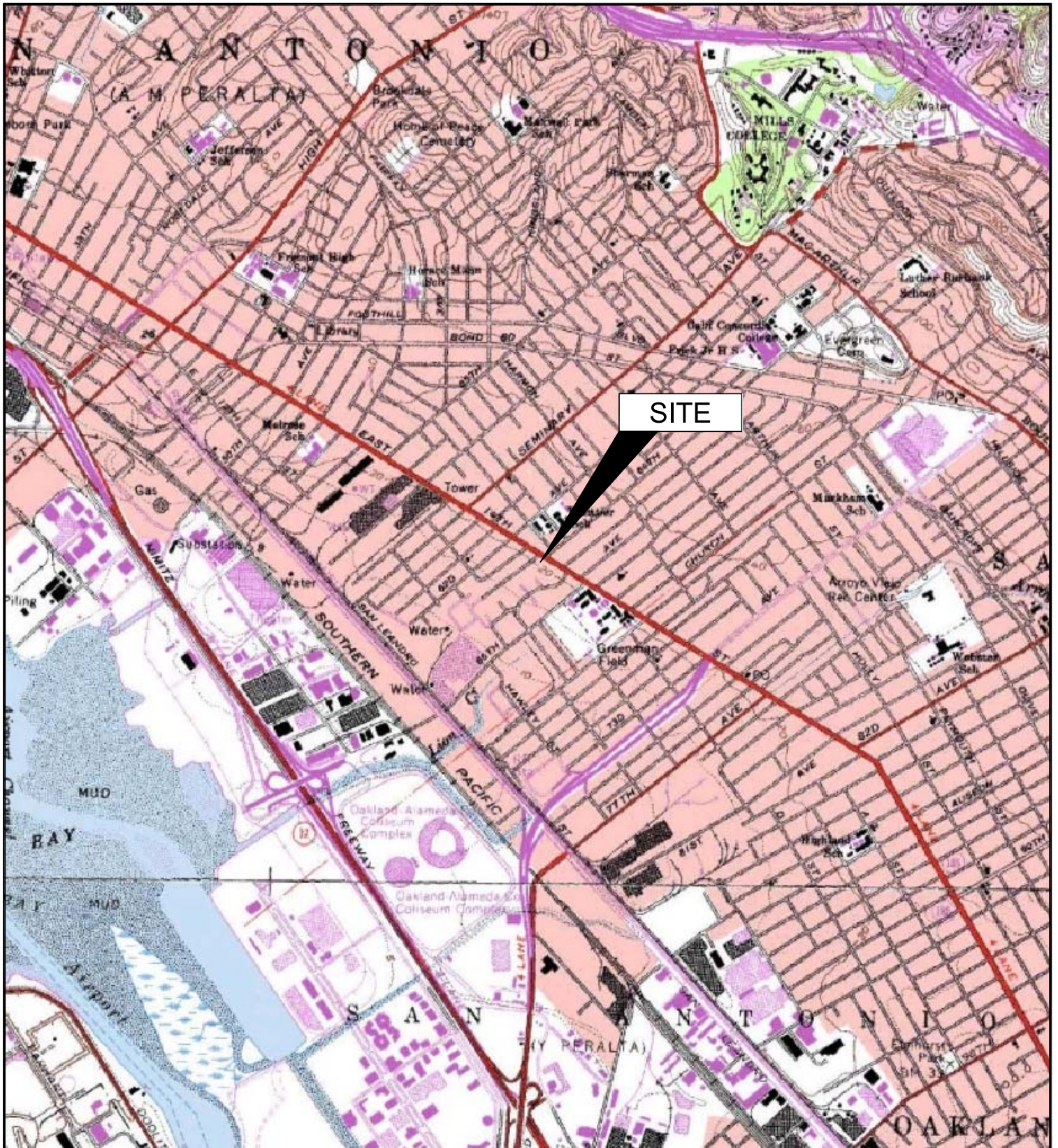


IMAGE SOURCE: USGS