

# Atlantic Richfield Company

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**RECEIVED**

*3:54 pm, Nov 08, 2011*

Alameda County  
Environmental Health

October 31, 2011

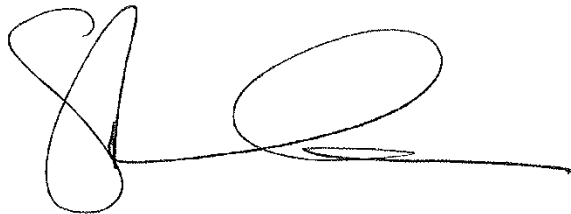
Mr. Paresh Khatri  
Alameda County Health Care Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502

**Re: SENSITIVE RECEPTOR SURVEY  
ARCO Station No. 2035  
1001 San Pablo Avenue  
Albany, California 94706  
ACEH Case No. RO0000100**

Dear Mr. Khatri:

I declare, that to the best of my knowledge at the present time, that the information contained in the attached document is true and correct.

Regards,



Shannon Couch  
Remediation Management Project Manager  
Atlantic Richfield Company, a BP-affiliated company

Enclosure: Sensitive Receptor Survey



October 28, 2011

Mr. Paresh Khatri  
Alameda County Health Care Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502

**RE: SENSITIVE RECEPTOR SURVEY**

ARCO Station No. 2035  
1001 San Pablo Avenue  
Albany, California 94706  
ACEH Case No. RO0000100

Dear Mr. Khatri:

On behalf of Atlantic Richfield Company (ARCO), Closure Solutions, Inc. (Closure Solutions) has prepared this *Sensitive Receptor Survey* (Survey) for the ARCO Service Station No. 2035, located at 1001 San Pablo Avenue, Albany, California (Site). Closure Solutions performed the Survey to identify the presence of water wells within a 0.5-mile radius of the Site. The Site setting, information on groundwater depth, groundwater flow direction, survey methods, and survey results are presented below. Additional information, including sensitive land uses is not included in this report.

## 1.0 SITE SETTING

The Site is located on the southeast corner of the intersection between San Pablo Avenue and Marin Avenue in Albany, California. The Site is currently an active ARCO service station and is located in a mixed commercial and residential area. Current Site facilities include a service station building, two dispenser islands, and four gasoline underground storage tanks (USTs).

## 2.0 GROUNDWATER DEPTH AND FLOW DIRECTION

Groundwater monitoring and sampling has been conducted at the Site since 1991. Coordinated groundwater monitoring and sampling is performed with the adjacent Shell Service Station No. 13-5037, located at 999 San Pablo Avenue. Based on information contained in historical Site reports, depth to groundwater beneath the Site ranges from between approximately 7 and 12 feet below ground surface. Groundwater flow direction is predominately to the west.

### **3.0 WELL SURVEY METHODS**

To obtain information on the type and location of wells within a 0.5-mile radius of the Site, Closure Solutions requested a signed authorization form from the Alameda County Health Care Agency, Department of Environmental Health to access confidential well information. The signed authorization was then provided to the Department of Water Resources (DWR) for access to all available well completion reports for wells installed in the vicinity of the Site. The DWR furnished 143 well completion reports for wells installed in the Site vicinity. These wells were located in Sections 33 and 34 in Township 01N, Range 04W and Sections 3 and 4 in Township 01S, Range 04W, Mount Diablo Meridian.

To assemble the survey information, Closure Solutions grouped the reports into the following categories:

- Reports that referenced well locations by current street addresses that could be verified using online resources (Google Earth or equivalent);
- Reports that referenced well locations by distance from a current street, intersection, or other known location such as a creek or park;
- Reports that referenced well locations by distance from a corner of a map Section;
- Reports that referenced well locations by outdated street addresses, route numbers, or street names/intersections that were changed/no longer existed;
- Reports that were illegible; and
- Reports for wells that had been destroyed.

Well locations referenced by current street addresses or by distances from a known location or street intersection were verified on a map to obtain distance from the Site. If the well location was within 0.5 mile of the Site, the well location was plotted on the survey map. Wells located outside the 0.5 mile radius were not plotted.

For wells that were referenced by distance from a corner of a Section, Closure Solutions accessed Montana State University's Graphical Locator website and the Earthpoint website to obtain maps of the referenced Section within the Township and Range. Once this information was obtained and verified, wells identified within 0.5 miles of the Site were plotted on the well survey map.

In cases where well completion reports contained street names or route numbers that no longer existed, either available Township, Range, and Section information was used to plot locations, or additional research was conducted to obtain information on historical street and route names. In a few cases, well locations could not be verified using the referenced locations or addresses provided, or the report was illegible. These wells were not included on the well survey map.

#### **4.0 WELL SURVEY RESULTS**

Based on Closure Solutions' review of information provided by the DWR, no wells were identified within a 0.5-mile radius of the Site. Please note that for the purposes of this well survey, cathodic protection wells and wells associated with environmental cases are not included in the results. Due to privacy concerns, the DWR well completion reports are not included in any copy of this document.

#### **5.0 SURFACE WATER**

The nearest surface water body is the San Francisco Bay, located approximately 3,500 feet west-northwest (down-gradient) of the Site.

If you have any questions or comments regarding this report, please contact Charlotte Evans at (925) 566-8567, or by e-mail at [cevans@closureolutions.com](mailto:cevans@closureolutions.com).

Sincerely,  
**Closure Solutions, Inc.**



Charlotte Evans  
Project Geologist



Matthew Farris, P.G.  
Project Geologist



cc: Ms. Shannon Couch, Atlantic Richfield Company