

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION  
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May 22, 2008

Paul Supple  
Atlantic Richfield Company  
(A BP Affiliated Company)  
P.O. Box 1257  
San Ramon, CA 94583

Subject: Fuel Leak Case No. RO0000014 and Geotracker Global ID T0600100213, BP #11132,  
3201 35<sup>th</sup> Avenue, Oakland, CA 94619

Dear Mr. Supple:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Fourth Quarter 2007 Ground-water Monitoring and Interim Remedial Measures Report," dated February 8, 2008 and the document entitled "First Quarter 2008 Ground-Water Monitoring Report," dated April 24, 2008, both prepared by Broadbent & Associates, Inc. (Broadbent) for the subject site. Stratus conducted a mobile dual-phase extraction (DPE) event at the site on November 26 through 27, 2007. Broadbent states that "based on the low contaminant mass recovery, the feasibility of continued DPE requires additional evaluation of its effectiveness. Accordingly BAI recommends evaluating the remedial effectiveness of this recent mobile DPE event through review of quarterly ground-water sampling results." According to the analytical data from the first quarter 2008 monitoring event, "free product" was present in monitoring wells MW-1, MW-2, MW-9, MW-10 and RW-1. Although interim remedial action of periodic groundwater extraction was conducted from 1992 to 1995 and interim remedial action of DPE was conducted in November 2007, "free product" at the site has been consistently present since at least July 1990. In lieu of additional interim remedial actions, it appears prudent to prepare a Feasibility Study to evaluate an appropriate cost-effective remedial alternative to remediate the site.

ACEH requests that you address the following technical comments and send us the technical work plans and reports requested below.

**TECHNICAL COMMENTS**

1. **UST System Evaluation** – Based on a review of our case file, it appears that the USTs at the site failed a tank tightness test in 1986. In July 1986, three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed at the site. Significantly elevated concentration of dissolved phase hydrocarbon concentrations have been detected since the installation of the wells and "free product" has been present in monitoring wells MW-1 and MW-2 since at least July 1990. At this time, an adequate evaluation of the UST system (i.e. tank tightness test results, inventory reconciliation documentation, system maintenance records, etc.) appears prudent since "free product" is still detected in site monitoring wells. Please propose a scope of work to address the above-mentioned concerns and submit a work plan by the date

specified below. A tracer test may be proposed to determine whether the UST system is "tight" and that a source of contamination still exists.

2. **Site Conceptual Model** – Several site investigations have been conducted at the site since 1986. At this juncture, it may be advantageous to develop a site conceptual model (SCM), which synthesizes all the analytical data and evaluates all potential exposure pathways and potential receptors that may exist at the site, including identifying or developing site cleanup levels and cleanup goals in accordance with the San Francisco Regional Water Quality Control Board's Basin Plan and appropriate ESL guidance for all COCs and for the appropriate groundwater designation. Please note that soil cleanup levels should ultimately (within a reasonable timeframe) achieve water quality objectives (cleanup goals) for groundwater in accordance with San Francisco Regional Water Quality Control Board Basin Plan. At a minimum, the SCM should include:

- (1) Local and regional plan view maps that illustrate the location of sources (former facilities, piping, tanks, etc.) extent of contamination, direction and rate of groundwater flow, potential preferential pathways, and locations of receptors;
- (2) Geologic cross section maps that illustrate subsurface features, man-made conduits, and lateral and vertical extent of contamination;
- (3) Plots of chemical concentrations versus time;
- (4) Plots of chemical concentrations versus distance from the source;
- (5) Summary tables of chemical concentrations in different media (i.e. soil, groundwater, and soil vapor); and
- (6) Well logs, boring logs, and well survey maps;
- (7) Discussion of likely contaminant fate and transport.

If data gaps (i.e. potential contaminant volatilization to indoor air or contaminant migration along preferential pathways, etc.) are identified in the SCM, please propose a scope of work to address those data gaps. The work plan may be included in the SCM.

3. **Feasibility Study** – Interim remedial action has been conducted at the site. However, "free product" still persists in site monitoring wells. Therefore, in lieu of additional interim remedial action, please prepare a Feasibility Study (FS) in accordance with Title 23, California Code of Regulations, Section 2725. As described above, please include a concise background of soil and groundwater investigations performed in connection with this case and an assessment of the residual impacts of the chemicals of concern (COCs) for the site and the surrounding area where the unauthorized release has migrated or may migrate. The FS should also include, but not limited to, a detailed description of site lithology, including soil permeability, and most importantly, contamination cleanup levels and cleanup goals as described above. These can be applicable and justified ESLs or calculated, site-specific risk-based cleanup levels.

The FS must evaluate at least three viable alternatives having likelihood for remedying or mitigating the actual or potential adverse effects of the unauthorized release(s) in addition to the "no action" and "monitored natural attenuation" remedial alternatives. Each alternative

shall be evaluated for cost-effectiveness and the Responsible Party must propose the most cost-effective corrective action.

### **TECHNICAL REPORT REQUEST**

Please submit technical reports and work plan to Alameda County Environmental Health (Attention: Paresh Khatri), according to the following schedule:

- **July 21, 2008** – SCM with FS (Including UST System Evaluation and Data Gap Work Plan)
- **July 30, 2008** – Quarterly Monitoring Report (2<sup>nd</sup> Quarter 2008)
- **October 30, 2008** – Quarterly Monitoring Report (3<sup>rd</sup> Quarter 2008)
- **January 30, 2009** – Quarterly Monitoring Report (4<sup>th</sup> Quarter 2008)
- **April 30, 2009** – Quarterly Monitoring Report (1<sup>st</sup> Quarter 2009)

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

### **ELECTRONIC SUBMITTAL OF REPORTS**

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.swrcb.ca.gov/ust/electronic\\_submittal/report\\_rqmts.shtml](http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml)).

### **PERJURY STATEMENT**

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be

signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

**PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS**

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

**UNDERGROUND STORAGE TANK CLEANUP FUND**

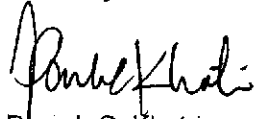
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

**AGENCY OVERSIGHT**

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 777-2478 or send me an electronic mail message at [paresh.khatri@acgov.org](mailto:paresh.khatri@acgov.org).

Sincerely,



Paresh C. Khatri  
Hazardous Materials Specialist



Donna L. Drogos, PE  
Supervising Hazardous Material Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Tom Venus, Broadbent & Associates, 1324 Mangrove Avenue, Suite 212, Chico, CA 95926  
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA  
94612-2032

Donna Drogos, ACEH  
Paresh Khatri, ACEH  
File

|   |   |
|---|---|
| <b>Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)</b> | <b>ISSUE DATE:</b> July 5, 2005                             |
|   | <b>REVISION DATE:</b> December 16, 2005                     |
|   | <b>PREVIOUS REVISIONS:</b> October 31, 2005                 |
| <b>SECTION:</b> Miscellaneous Administrative Topics & Procedures              | <b>SUBJECT:</b> Electronic Report Upload (ftp) Instructions |

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

#### REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection.** (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:  
RO#\_Report Name\_Year-Month-Date (e.g., RO#5555\_WorkPlan\_2005-06-14)

#### Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in Excel format. These are for use by assigned Caseworker only.

#### Submission Instructions

##### 1) Obtain User Name and Password:

- a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
  - i) Send an e-mail to [dehloptoxic@acgov.org](mailto:dehloptoxic@acgov.org)
  - or
  - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
- b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**

##### 2) Upload Files to the ftp Site

- a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
  - (i) Note: Netscape and Firefox browsers will not open the FTP site.
- b) Click on File, then on Login As.
- c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
- d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
- e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

##### 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs

- a) Send email to [dehloptoxic@acgov.org](mailto:dehloptoxic@acgov.org) notify us that you have placed a report on our ftp site.
- b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name at acgov.org. (e.g., [firstname.lastname@acgov.org](mailto:firstname.lastname@acgov.org))
- c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload)