



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
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September 18, 2012

Shannon Couch
Atlantic Richfield Company
PO Box 1257
San Ramon, CA 94583
(Sent via E-mail to: shannon.couch@bp.com)

Choonghun Chun
286 South Livermore Avenue
Livermore, CA 94550-4652

Subject: Case File Review for Fuel Leak Case No. RO0002873 and GeoTracker Global ID T0600124081, ARCO #0498, 286 South Livermore Avenue, Livermore, CA 94550

Dear Ms. Couch and Choonghun Chun:

I have been assigned as case worker for this fuel leak case. Please send future correspondence to my attention. Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the proposed scope of work in the document entitled, "*Soil and Groundwater Work Plan Addendum*," dated April 12, 2010 (Work Plan Addendum). The Work Plan Addendum, which was prepared on behalf of Atlantic Richfield Company by Broadbent & Associates, Inc., is an Addendum to a Work Plan dated August 28, 2009, and proposes installation of one on-site well (MW-5) and advancement of two off-site soil borings on the adjacent property to the northwest. Due to lack of access to the adjacent property, the work has not been completed.

During a meeting on August 29, 2012 between ACEH, Atlantic Richfield Company, and Broadbent & Associates, Inc. staff, the possibility of advancing borings along the northwestern property boundary in lieu of the off-site borings was discussed. ACEH agreed to review the case file to consider this possibility.

Based upon our review of the case file, advancing a transect of borings along the northwestern property boundary to define the site stratigraphy and vertical distribution of contamination may be acceptable rather than off-site borings provided that the proposed scope of work includes the following:

- A line of borings advanced to the expected maximum depth of contamination;
- Continuous logging of borings or cone penetration test borings to characterize site hydrogeology;
- Collection of soil samples and/or discrete grab groundwater samples from each water-bearing zone (depending upon the drilling technique used).

Since difficult drilling conditions were encountered in 2005, the Work Plan Addendum proposes use of hollow stem auger drilling methods. We note that the use of cone penetrometer test (CPT) drilling methods have been used successfully at other sites in the area with similar drilling conditions. You may wish to consider the use of CPT techniques in your Work Plan. In addition, to the above conditions, we request that you review and consider the technical comments below in preparing a Work Plan to conduct additional investigation activities. The Work Plan is to be submitted no later than November 30, 2012.

TECHNICAL COMMENTS

- 1. Soil Borings.** The eight soil borings advanced at the site in January 2005, were advanced to total depths ranging from 15 to 25 feet bgs. These total depths are less than the proposed depth of 30 feet bgs and above the expected vertical extent of contamination. As a result, the borings have limited usefulness in defining the lateral and vertical extent of contamination within the source area. Please consider these limitations in planning the additional investigation in the Work Plan requested below.
- 2. Groundwater Monitoring Wells.** The existing monitoring wells (MW-1 through MW-4) have wells screens that are 15 to 20 feet in length and are not installed in consistent stratigraphic intervals or consistent depths. The wells appear to be screened across both coarse and fine-grained layers. Based on the boring log, monitoring well MW-3 appears to be screened nearly entirely within finer grained intervals consisting of silty clay to clayey silt. Due to the long screen length, the water levels measured in the wells may not be representative of the hydraulic head within a specific water-bearing interval intersected by the wells. The groundwater samples may be composite samples that reflect a mixture of water from multiple intervals and do not accurately reflect the concentration of petroleum hydrocarbons within a single or known stratigraphic interval. As a result, the wells may provide inaccurate hydraulic head and groundwater monitoring data. Please consider these limitations of the monitoring wells in planning the additional investigation in the Work Plan requested below.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **November 30, 2012** – Work Plan
File to be named: WP_R_yyyy-mm-dd RO2873

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

Responsible Parties
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If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Case files can be reviewed online at the following website: <http://www.acgov.org/aceh/index.htm>. As your email address does not appear on the cover page of this notification ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachments: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Danielle Stefani, Livermore Pleasanton Fire Department, 3560 Nevada St, Pleasanton, CA 94566
(Sent via E-mail to: dstefani@lpfire.org)

Colleen Winey (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551
(Sent via E-mail to: cwiney@zone7water.com)

Matt Herrick, Broadbent & Associates, Inc., 1324 Mangrove Avenue, Suite 212, Chico, CA 95926
(Sent via E-mail to: mherrick@broadbentinc.com)

Donna Drogos, ACEH (Sent via E-mail to: donna.drogos@acgov.org)
Jerry Wickham, ACEH (Sent via E-mail to: jerry.wickham@acgov.org)

GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. Please visit the SWRCB website for more information on these requirements. (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/)

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, 7835, 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, late 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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	REVISION DATE: July 25, 2012
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (petroleum UST and SCP) 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

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as a **single Portable Document Format (PDF) with no password protection.**
- 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)

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 .loptoxic@acgov.org
 - 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 <://alcoftp1.acgov.org>
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - 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 .loptoxic@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 @acgov.org. (e.g., 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) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.