



ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
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April 13, 2011

Mr. Dave Patton
Chevron Environmental Management
6001 Bollinger Canyon Road
San Ramon, CA 94583

Ui Hwang
909 Trent Street
Concord, CA 94518

Choung & Myung Inc.
2200 Telegraph Avenue
Oakland, CA 94612-2316

(sent via electronic mail to drpatten@chevron.com)

Subject: Approval With Modifications to Work Plan; Fuel Leak Case No. RO0002435 and Geotracker Global ID T0600161613, Chevron # 9-3600, 2200 Telegraph Avenue, Oakland, CA 94612

Dear Responsible Parties:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Site Conceptual Model*, dated December 30, 2008, the *Work Plan for Soil Borings*, dated January 30, 2009, and the *First Semi-Annual 2011 Groundwater Monitoring and Sampling Report*, dated March 21, 2011; all submitted on your behalf by Conestoga-Rovers & Associates (CRA). Thank you for submitting the reports.

Based on ACEH staff review of the work plan, the proposed scope of work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed field investigation. Submittal of a revised work plan or a work plan addendum is not required unless an alternate scope of work outside that described in the work plan or technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Work Plan Modifications** – The work plan proposed the installation of four thirty-foot soil bores on an adjacent car parking lot, in the downgradient direction of groundwater flow. One bore was proposed as a replacement bore for a previously approved bore location (B-10) that could not be installed due to surface impediments (billboard and fence). A second bore was included to construct a nominal transect roughly parallel to the former eastern edge of UST complex, and roughly perpendicular to the direction of groundwater flow. Two additional bores are intended to delineate groundwater and are proposed to be installed approximately 20 feet further downgradient in a second row. Soil samples will be collected and depth-discrete grab groundwater samples will be collected every 10 feet vertically, beginning at first encountered groundwater, to vertically define groundwater. ACEH requests the following modifications to the work plan:

- a. **Representative Shallow Soil Samples** – The work plan addendum proposes the use of an air knife or hand auger to a depth of 8 feet below grade surface (bgs). As discussed in previous letters ACEH agrees that hand clearing soil bores is an important step, and recognizes that Chevron corporate preferences exist; however, ACEH is concerned that the proposed total depth for hand clearing the bores may preclude collection of important shallow soil data including analytical sample collection. ACEH is also concerned that use of an air knife will volatilize target compounds resulting in low-biased analytical results as the majority of the vadose zone would be air knifed (8 of approximately 11 feet). To ensure proper collection of shallow soil samples in the

vadose zone, including adequate instrument screening (PID or other), sampling, and analysis, when appropriate, ACEH requests the bores be cleared with a hand auger. The apparent lack of utilities in the area of the proposed bores provides additional rationale for the elimination of the use of an air knife at the site.

- b. **Delineation downgradient of Well MW-1** – ACEH additionally requests the installation of one or more soil bores downgradient of well MW-1 to delineate the downgradient extent of impacted groundwater. These can be installed as extensions of the two proposed nominal transects discussed above.
 - c. **Soil Bore B-8 Replacement** – To assist in expediting future appropriate actions ACEH also requests (reaffirms the previous request) for the installation of a replacement soil bore in the vicinity of bore B-8. With the inclusion of underground utilities on site plans, it is understood that B-8 likely hit refusal on the water line that services the kiosk. A bore in this approximate location would assist in addressing any potential sources associated with the UST complex, or potentially elsewhere, and upgradient of well MW-1 (MW-2 is a minimum of 35 feet from the UST complex). It may not be necessary to extend the bore to 30 feet, as planned downgradient of the UST complex, depending on the presence or absence of impacted media.
 - d. **Collection and Analysis of Soil & Groundwater** – ACEH generally concurs with the proposed collection and the selected analytical suite outlined for soil and groundwater data contained in the work plan; however, ACEH did not locate details for the minimum number of soil samples proposed to be submitted for analysis. Please ensure that the soil samples are collected and submitted for analysis at changes in lithology, the capillary fringe, saturated zone, and zones with high PID readings, odor, or discoloration.
- 2. Groundwater Sampling Interval** – Please place the site on an annual groundwater sampling basis coinciding with the second quarter of the year. The addition of similar groundwater monitoring data is not anticipated to significantly increase our understanding of the site. This will place the next sampling in April 2012.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH, according to the following schedule:

- **June 24, 2011** - Soil and Groundwater Investigation Report

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.

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Mark E. Detterman, PG, CEG
Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Nathan Lee, Conestoga-Rovers & Assoc., 5900 Hollis Street, Suite A, Emeryville, CA 94608
(sent via electronic mail to NLee@croworld.com)
Donna Drogos, ACEH, (sent via electronic mail to donna.drogos@acgov.org)
Mark Detterman, ACEH, (sent via electronic mail to mark.detterman@acgov.org)

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GeoTracker, eFile

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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.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, 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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	REVISION DATE: July 20, 2010
	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 (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

- **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 deh.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 <ftp://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 deh.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.