



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
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May 30, 2012

Mr. Dave Patten
Chevron Corporation
6101 Bollinger Canyon Rd.
San Ramon, CA 94583
(sent via electronic mail to:
drpatten@chevron.com)

Mr. Mark Horne
Chevron Corporation
6101 Bollinger Canyon Rd.
San Ramon, CA 94583
(sent via electronic mail to:
MarkHorne@chevron.com)

Loi & Josephine Le
Loi V Le et al.
4265 Foothill Blvd.
Oakland, CA 94601

Subject: Request for Site Status and Revised Work Plan; Fuel Leak Case No. RO0000427 and GeoTracker Global ID T0600100339, Chevron #9-0076, 4265 Foothill Blvd, Oakland, CA 94601

Dear Messrs. Horne, Patten, and Mr. and Ms. Le:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced site including the *Soil Vapor Assessment Workplan*, dated August 26, 2004, the *Vapor Sampling 1st and 2nd Quarters 2006*, dated August 25, 2006, and the *2012 Annual Groundwater Monitoring Report*, dated March 23, 2012. The reports were prepared and submitted on your behalf by Cambria Environmental Technology, Inc. and Conestoga-Rovers & Associates (CRA). Thank you for submitting the documents. The referenced work plan proposed the installation of three vapor wells onsite. A July 6, 2005 directive letter approved the installation of the three soil vapor probes. The document entitled *Vapor Sampling 1st and 2nd Quarters 2006* indicates that vapor sampling had not been conducted in the first and second quarters of 2006 due to rain and submerged vapor wells; however, ACEH notes an EDF analytical report that was submitted to Geotracker for vapor samples that were collected on November 28, 2005. A report of this data does not appear to have been previously submitted to the ACEH ftp or Geotracker websites. Based on ACEH staff review of the case file, we request that you address the following technical comments and send us the reports described below.

TECHNICAL COMMENTS

- 1) Status of Overdue Deliverables** – As indicated above, it appears that vapor sampling may have occurred at the subject site; however, an associated report does not appear to have been submitted to either the ACEH ftp site or to Geotracker. Based on the correspondence, the wells would appear to have been permanent wells; however, they also do not appear to have been surveyed to Geotracker standards, and bore logs do not appear to have been submitted. As a consequence, ACEH requests a status update on the vapor wells, their condition of repair, and requests the submittal of all associated reports and data to the ACEH ftp and Geotracker websites, by the date identified below.
- 2) Request for Missing Reports and Data** – In reviewing the case file ACEH noted that several reports that were cited in various documents were not in the ACEH case file, nor on Geotracker. Also included in this list, but certainly not limited to it, is the 1997 product line replacement report (analytical data from this event was cited in the October 2003 *Well Installation Report / Site Summary* report). As a consequence, ACEH requests that the ACEH ftp site case file be reviewed for missing reports and that the reports be uploaded to the ACEH ftp site and to Geotracker by the date identified below. ACEH requests a list of the missing reports and other data at the time of the upload.

- 3) Request for Soil Vapor Work Plan** – Based on the referenced correspondence, it would appear that the vapor wells may have been installed to a depth greater than 5 feet bgs as depth-to-water levels ranged between approximately 10 to 12 feet in well C-4 (in proximity to the proposed vapor well locations) during the early 2005 – 2006 time period, and the vapor wells were reported to have been submerged. As a consequence, ACEH request a soil vapor work plan, using current methodologies and protocols, to install an appropriate number of soil vapor points at appropriate locations at, or near, the site. In particular, the residential house immediately “south” of the subject site, is reported to be constructed with a half-basement, and should be considered in the work plan; however, that location should not be the sole focus of the work plan. ACEH notes that additional houses with basements are reported to be located further downgradient. Vadose zone vapor characterization is an important data gap due to the consistent detection of unmonitored hydrocarbons in a generally granular zone at an approximate depth of 10 feet bgs in wells C-2, C-3, C-4, and C-5. In conjunction with soil vapor wells that appear to have been submerged as noted in Technical Comment 1, this may also indicate the migration of not insubstantial (periodic?) contaminants through unmonitored shallow granular zones. Please submit the work plan by the date identified below.
- 4) Request for a Remedial Investigation Work Plan and Updated SCM** – It appears that the existing SCM from 2000 is fairly limited and requires updating. Release mechanisms to account for free-phase in bore C-A and the sign footing excavation in 1987 do not appear to have been accounted for, nor do migration pathways. ACEH notes that a minimum of three (downgradient) wells can be argued to be submerged (offsite wells C-6, C-7, and C-9) and the limited data on the installation depths of the vapor wells also indicates periodic inundation onsite. Critically, these offsite potentially underwater wells provide downgradient definition of the groundwater plume. ACEH does note that an argument has been advanced that these are transitory, seasonal events migrating through discontinuous granular zones in the vadose zone; however, ACEH also notes that up to 580 mg/kg TPHg was detected (well C-4) at a depth of 9 to 10.5 feet bgs in granular soils. Additional data gaps that are identified will require a data gap work plan.
- 5) Request for Utility Preferential Pathway Study** – As you are aware, the purpose of a preferential pathway study is to locate potential migration pathways and conduits and determine the probability of a groundwater plume encountering preferential pathways and conduits that could spread contamination. We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (utilities, utility laterals, pipelines, foundational, and etc.) for vertical and lateral migration that may be present in the vicinity of the site.

Specifically, while a preferential pathway survey has not been generated for the site, utility conduit surveys (including invert depths) have been generated for the neighboring Shell and BP service station sites. ACEH requests that this available information be utilized and that it be augmented with onsite, or site vicinity, utility lateral locations, including utility invert depths. ACEH has found that the location of utility laterals can be of import in vadose zone contaminant migration.

Discuss your analysis and interpretation of the results of the preferential pathway study and report your results in the report requested below. The results of your study shall contain all information required by California Code of Regulations, Title 23, Division 3, Chapter 16, §2654(b).

- a. Utility Survey** - An evaluation of all utility lines, utility laterals, and trenches (including sewers, storm drains, pipelines, trench backfill, foundation backfill, etc.) within and near the site and plume area(s) is required as part of your study. Please reduce, and synthesize available information and maps, and generate appropriate (vicinity and / or site specific) maps and cross-sections illustrating the location and depth of all utility lines and trenches within and near the site and plume areas(s) as part of your study.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Mr. Mark Detterman), according to the following schedule:

- **July 13, 2012** – Overdue Deliverable Submittals to the ACEH and Geotracker websites (and documentation of)
- **August 3, 2012** – Vapor Investigation Work Plan (and utility conduit survey)
- **60 Days After Work Plan Approval** – Soil and Groundwater (Vapor) Investigation Report
- **November 30, 2012** – Second Semiannual 2012 Groundwater Monitoring Report
- **May 24, 2013** – First Semiannual 2013 Groundwater Monitoring 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
Senior 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)

Tina Hariu, Conestoga-Rovers & Assoc., 5900 Hollis Street, Suite A, Emeryville, CA 94608
(sent via electronic mail to THariu@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)
Geotracker, Electronic File

Attachment 1

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.