

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director



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ENVIRONMENTAL PROTECTION
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January 26, 2009

Stacie Hartung-Frerichs
Chevron Environmental Management Company
6001 Bollinger Canyon Road, K-2200
San Ramon, CA 94583

Subject: Fuel Leak Case No. RO0000416 and GeoTracker Global ID T0600100137, Chevron #9-4930 / Valley Car Wash, 3369 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Ms. Hartung-Frerichs:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Subsurface Investigation Report and Closure Request," dated December 3, 2007, which was prepared by Conestoga-Rovers & Associates (CRA) for the subject site. According to CRA, two (CPT-1 and CPT-2) of the proposed three borings were advanced to delineate the petroleum hydrocarbon contaminant plume off-site. Total petroleum hydrocarbons (TPH) as gasoline (g) and methyl tertiary butyl ether (MTBE) were detected at maximum concentrations of 140 µg/L and 17 µg/L, respectively in "grab" groundwater samples collected from CPT-2. Based on the analytical results from the off-site borings and historical groundwater monitoring data collected from site monitoring wells, CRA has requested case closure for the subject site.

In March 1993, three 10,000-gallon underground storage tanks (USTs) were removed from the site. Approximately 7,500 cubic yards of soil was disposed of off-site to Redwood Landfill, Inc. in Novato, California. The excavation was backfilled with 800 cubic yards of segregated "clean" stockpiled soil with the remainder of the excavation backfilled with 2-inch drain rock and aggregate base rock. Over-excavation confirmation soil samples detected a maximum TPH-g and benzene concentration of 5,100 mg/kg and 3.9 mg/kg, respectively in soil sample OX-25-10', collected at 10 feet bgs, immediately southwest of the former USTs. These concentrations are significantly above the Regional Water Quality Control Board's (RWQCB) Environmental Screening Levels (ESLs) for TPH-g and benzene of 83 mg/kg and 0.044 mg/kg, respectively, indicating that the site poses a potential risk to human health and the environment. ACEH is aware that a RBCA evaluation was conducted for the site with 0.6 mg/kg as an upper 95% confidence limit concentration for benzene. However, ACEH is concerned that porous material was used to backfill the excavation increasing the potential for contaminant volatilization to indoor air, especially since the SSTL is above the ESL, which recommends collection of subsurface or sub-slab vapor samples to evaluate such risk. Therefore, ACEH cannot consider case closure for the subject site at this time. This decision to deny closure is subject to appeal to the State Water Resources Control Board (SWRCB), pursuant to Section 25299.39.2(b) of the Health and Safety Code (Thompson-Richter Underground Storage Tank Reform Act - Senate Bill 562). Please contact the SWRCB Underground Storage Tank Program at (916) 341-5851 for information regarding the appeal process.

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

TECHNICAL COMMENTS

1. **Contaminant Source Area Characterization** – As mentioned above, TPH-g and benzene were detected at concentrations of 5,100 mg/kg and 3.9 mg/kg, respectively in soil sample OX-25-10', collected at 10 feet bgs, immediately southwest of the former USTs. Although the lateral extent of soil contamination appears delineated by the confirmation sidewall soil samples, the vertical extent of the soil contamination appears uncharacterized at this time. Please propose a scope of work to address the above-mentioned concerns and submit a work plan, due by the date specified below.
2. **Potential Contaminant Volatilization to Indoor Air** – Significantly elevated concentration of TPH-g (5,100 mg/kg) and benzene (3.9 mg/kg) remain in place at the subject site. These concentrations are significantly above the RWQCB's ESL for TPH-g and benzene of 83 mg/kg and 0.044 mg/kg, respectively, indicating that the site poses a potential risk to human health and the environment. Furthermore, porous materials (i.e. 2-inch drain rock and aggregate base rock) were used to backfill the majority of the excavation. Please propose a scope of work to address the above-mentioned concerns and submit a work plan, due by the date specified below. Also include figures that illustrate previous sampling locations and site features (i.e. location of both generations of USTs, piping runs, station building, etc.) in relation to current site structures.

Once all data gaps have been addressed, the case closure evaluation for the site can proceed forward.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Steven Plunkett), according to the following schedule:

- **March 27, 2009** – Soil and Water Investigation Work Plan

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

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).

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.

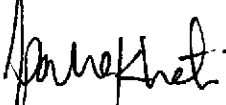
AGENCY OVERSIGHT

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.

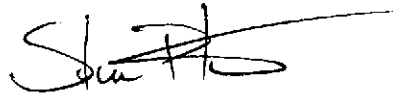
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If you have any questions, please call me at (510) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

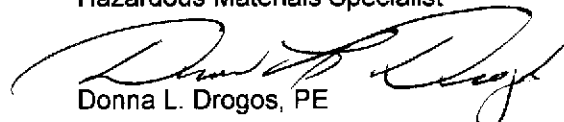
Sincerely,



Paresh C. Khatri
Hazardous Materials Specialist



Steven Plunkett
Hazardous Materials Specialist



Donna L. Drogos, PE
Supervising Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Brian P. Carey, Conestoga-Rovers & Associates, 2000 Opportunity Drive, Suite 110, Roseville,
CA 95678
Donna Drogos, ACEH
Steven Plunkett, ACEH
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	ISSUE DATE: July 5, 2005
	REVISION DATE: December 16, 2005
	PREVIOUS REVISIONS: October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: 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
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 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)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload)