

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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January 21, 2009

Joseph Sabel
United States Coast Guard
2000 Embarcadero, Suite 200
Oakland, CA 94606-5337

Subject: Fuel Leak Case No. RO0002443 and GeoTracker Global ID T06019779998, USCG
Bldg. 44, 44 Spencer Road, Alameda, CA 94501

Dear Mr. Sabel:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Final Site Investigation Report Soil and Groundwater Sampling Building 44," dated August 18, 2008, which was prepared by Engineering/Remediation Resources Group, Inc. (ERRG) for the subject site. In November 2001, Tetra Tech oversaw the removal of one 10,000 gallon underground storage tank (UST) that was utilized to store oily water and waste oil. Soil sample analytical results following UST removal detected total petroleum hydrocarbons (TPH) as gasoline (g), diesel (d), and oil and grease (o&g) at concentrations of 290 mg/kg, 210 mg/kg, and 1,800 mg/kg, respectively. Groundwater sample analytical results detected TPH-d and TPH-o&g at significantly elevated concentrations of 100,000 µg/L and 41,000 µg/L, respectively.

In February 2008 ERRG conducted a subsurface investigation, consisting of nine borings, to delineate the elevated petroleum hydrocarbons concentrations detected in soil and groundwater following the removal of the 10,000-gallon UST from the site. Soil sample analytical results detected significantly elevated concentrations of TPH-d and TPH-o&g. Specifically, "TPH-d and TPH-O&G were detected in soil sample AI-SB02-10 at concentrations of 5,000 mg/kg and 4,700 mg/kg respectively." According to ERRG "[c]oncentrations of each chemical exceeded their respective ESLs of 83 mg/kg and 370 mg/kg. This exceedance is likely the result of waste oil that was stored in the former UST." "Grab" groundwater sample analytical results detected TPH-d and TPH-o&g at concentrations of 1,200 µg/L and 2,700 µg/L, respectively, both above their applicable ESL. Although the analytical results of the subsurface investigation confirmed elevated concentrations of contaminants in the soil and groundwater, which appear to pose a risk to human health and the environment, ERRG concluded that "...no further action is warranted at the Site."

ACEH respectfully disagrees with ERRG conclusions since elevated concentrations of soil and groundwater have been detected at the site, which appear to be impacting the estuary. Therefore, ACEH cannot concur with "no further action." This decision 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 requests that you address the following technical comments and send us the technical reports requested below.

TECHNICAL COMMENTS

1. **Contaminant Source Area Characterization** – As mentioned above, TPH-d and TPH-O&G were detected at concentrations of 5,000 mg/kg and 4,700 mg/kg respectively, in soil sample AI-SB02-10 collected at 10 feet bgs indicating that a secondary source exists at the site. Additionally, naphthalene was detected at a concentration of 5.1 mg/kg in soil sample AI-SB06-20 collected at 20 feet bgs. Based on the analytical data, the vertical and lateral extent of soil contamination appears undefined.

“Grab” groundwater sample analytical results detected TPH-d at a concentration of 1,200 µg/L in groundwater sample AI-SB02-W and TPH-o&g at a concentration and 2,700 µg/L in groundwater sample AI-SB07-W. Based on the “grab” groundwater sample analytical results, the groundwater contaminant plume appears undefined. Please propose a scope of work to address the above-mentioned concerns and submit a work plan due by the date specified below.

2. **Site Conceptual Model** – Elevated concentrations of contaminants, exceeding the Regional Water Quality Control Board’s (RWQCB) Environmental Screening Levels (ESLs) have been documented at the site. The contaminant concentrations appear to pose a potential ecological risk as well as potential risk to occupants from contaminant volatilization from soil and groundwater to indoor air. 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 objectives and goals. 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 include a proposed scope

of work to address those data gaps in the work plan due by the date specified below. Please note that the work plan must address all technical comments presented in this correspondence as well as all data gaps identified in the SCM.

NOTIFICATION OF FIELDWORK ACTIVITIES

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **April 21, 2009** – Site Conceptual Model and 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 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).

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

Mr. Sabel
RO0002443
January 21, 2009, Page 4

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) 383-1767 or send me an electronic mail message at steven.plunkett@acgov.org.

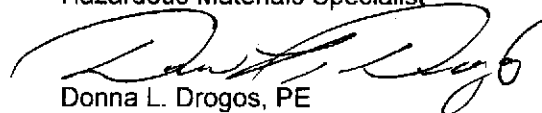
Sincerely,



Steven Plunkett
Hazardous Materials Specialist



Paresh C. Khatri
Hazardous Materials Specialist



Donna L. Drogos, PE
Supervising Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Bradley S. Hall, ERRG, 115 Sansome Street, Suite 200, San Francisco, CA 94520
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)