



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
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October 24, 2008

John H. Schroeter, P.E.
Manager of Environmental Compliance
East Bay Municipal Utility District
P.O. Box 24055
Oakland, CA 94623-1055

Subject: Fuel Leak Case No. RO0000030 and Geotracker Global ID T0600102115, EBMUD,
1200 21st Street, Oakland, CA 94607

Dear Mr. Schroeter:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Final Report AMC Phase II Construction Materials Management Report," dated June 30, 1998, prepared by GeoPlexus, which was included in your correspondence dated June 30, 2008. According to GeoPlexus, elevated contaminants in soil have been excavated, soil contaminant concentrations are below agreed-upon thresholds, and "additional investigation or remedial action is not warranted."

ACEH's evaluation of sites for case closure includes considering the "Low Risk" criteria listed in the San Francisco Bay Regional Water Quality Control Board's January 5, 1996 Memorandum termed "Supplemental Instructions to State Water Board December 8, 1995 Interim Guidance on Required Cleanup at Low-Risk Fuel Sites." This evaluation includes adequately addressing the following six criteria.

1. The source has been removed.
2. The site has been adequately characterized.
3. The dissolved hydrocarbon plume is not migrating.
4. No water wells or other sensitive receptors are likely to be impacted.
5. The site presents no significant risk to human health.
6. The site presents no significant risk to the environment.

Based on residual concentrations of contaminants that remain in onsite soil following the remedial excavation, as well as soil contamination identified in subsurface investigations that were conducted prior to the remedial excavation that were not affected by the remedial excavation limits, the extent of soil contamination appears undefined, extent of groundwater has not been determined, and plume stability has not been demonstrated. Additionally, the residual concentrations of contaminants confirmed in soil samples appear to pose a potential contaminant volatilization to indoor air exposure risk.

ACEH requests that you address the following technical comments and send us the Soil and Groundwater Investigation Work Plan requested below.

TECHNICAL COMMENTS

1. **Former Gasoline Station** – According to GeoPlexus, the depth of the remedial excavation was approximately 8 to 9 feet below the ground surface (bgs) with approximately 1,300 cubic yards of soil removed for off-site disposal. Confirmation soil samples detected a maximum benzene concentration of 0.29 mg/kg in soil sample 2OX1-S17 indicating that the soil has been impacted and that there may be a potential contaminant volatilization to indoor air risk. Prior to completing the remedial excavation, a “grab” groundwater sample collected from boring WB-14, located within the excavation limits, detected total petroleum hydrocarbons (TPH) as gasoline (g), TPH as diesel (d), and benzene, at concentrations of 2,900 µg/L, 59,000 µg/L, and 52 µg/L, respectively. Therefore, additional characterization (i.e. groundwater and soil vapor) is warranted since the extent of soil and groundwater remains 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. **Former Auto Shop** – Elevated concentrations of benzene (up to 1.1 mg/kg in soil sample 2OX1-S9) were also detected in confirmation soil samples collected in the vicinity of the former auto shop indicating that the soil has been impacted and that there may be a potential contaminant volatilization to indoor air risk. In addition, significantly elevated concentrations of TPH-d and total oil and grease (TOG) were detected at concentrations as high as 1,800 mg/kg and 13,000 mg/kg, respectively, in a soil sample collected at 5 to 5.5 feet bgs from boring WB-13. Similar concentrations of contaminants were detected in a soil sample collected from boring WB-12. These locations appear to be outside the limits of the remedial excavation. Therefore, the extent of soil contamination in the vicinity of the former auto shop appears undefined and impact to groundwater has not been verified. Please propose a scope of work to address the above-mentioned concerns and submit a work plan due by the date specified below.
3. **Existing Waste Oil Tank** – Two borings, WB-9 and WB-10 were installed in the vicinity of the existing waste oil tank. Significantly elevated concentrations of TPH-d and TOG were detected at concentrations as high as 15,000 mg/kg and 64,000 mg/kg, respectively, in a soil sample collected at 5 to 6 feet bgs from boring WB-10. Similar concentrations of contaminants were detected in a soil sample collected from boring WB-9. In addition, a “grab” groundwater sample collected from boring WB-9 detected TPH-g, TPH-d, benzene, and MTBE at concentrations of 380 µg/L, 16,000 µg/L, 19 µg/L, and 210 µg/L, respectively. Therefore, the extent of soil and groundwater contamination in the vicinity of the former auto shop 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.

TECHNICAL REPORT REQUEST

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

- **December 19, 2008** – 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 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

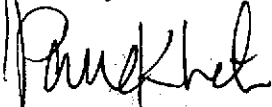
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

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) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,



Paresh C. Khatri
Hazardous Materials Specialist



Donna L. Drogos, PE
Supervising Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Derek Lee, EBMUD, P.O. Box 24055, Oakland, CA 94623-1055
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA
94612-2032
Donna Drogos, ACEH
Paresh Khatri, 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)