

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
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Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

June 10, 2008

Mr. Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Mr. John Ward, Trust Real Estate
Wells Fargo Bank
P.O. Box 693939
San Francisco, CA 94163

Mr. Anye Spivey
AFE Broadway 8LLC
EF Evans
1000 Broadway, Ste. 300
Oakland, CA 94507

Subject: Fuel Leak Case No. RO0000343 and Geotracker Global ID T0600101263, Shell, 461 8th Street, Oakland, CA 94607

Dear Mr. Brown, Mr. Spivey, and Mr. Ward:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above referenced site, including the recently submitted document entitled, "Agency Response and Work Plan Addendum," dated June 9, 2008. The "Agency Response and Work Plan Addendum," which was prepared on Shell's behalf by Conestoga-Rovers & Associates (CRA), presents responses to ACEH's April 24, 2008 technical comments and proposes interim remediation by excavation with secondary remediation by in-site chemical oxidation. ACEH requested that the excavation be extended to a depth of 25 feet bgs and expanded to include the impacted soil encountered beneath the southwestern half of the dispenser islands in borings B-10 and B-11. The "Agency Response and Work Plan Addendum," proposes limiting excavation to a depth of 20 feet bgs over an approximately 10 by 50-foot area due to the infeasibility of extending the depth of the excavation and proposes targeting the deeper soils for remediation using in-situ chemical oxidation.

The proposed excavation and in-situ chemical oxidation may be implemented as an interim remedial action provided that the technical comments below are addressed and incorporated during the proposed field activities. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. If it is not feasible to incorporate some portion of the technical comments below without significant changes to the proposed scope of work, please submit a revised work plan or response to comments to identify how the technical comments will be addressed.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

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TECHNICAL COMMENTS

1. **Extent of Excavation.** ACEH requested that the depth of excavation be extended to a depth of 25 feet bgs due to the elevated concentrations of petroleum hydrocarbons in soil below 20 feet bgs. Shell has indicated that extending the excavation to a depth of 25 feet bgs is not feasible and is planning to limit the depth of excavation to 20 feet bgs. Shell is proposing chemical oxidation from the base of the excavation to treat soils below 20 feet bgs. We do not object to the proposed approach given the apparent constraints to excavation. However, the effectiveness of the interim remediation is expected to depend largely upon the effectiveness of the in-situ chemical oxidation.
2. **Confirmation Soil Sampling.** The proposed confirmation soil sampling at the base of the excavation is acceptable. ACEH potentially may request additional confirmation soil sampling based upon observed conditions. Please provide a minimum of 48 hours advance notification of confirmation soil sampling (e-mail preferred to jerry.wickham@accgov.org) in order for ACEH to observe conditions. Please present the results of confirmation soil sampling in the Interim Remediation Report requested below.
3. **Well Replacement.** Two groundwater monitoring wells and one soil vapor probe were installed on May 30, 2008. The need for additional monitoring wells and soil vapor probes is to be evaluated based upon the results from the interim remediation monitoring. Please see technical comment 5 regarding interim remediation monitoring.
4. **Vertical Delineation.** The proposal in the "Agency Response and Work Plan Addendum," to extend work plan submittal for vertical delineation from June 10, 2008 to July 15, 2008 is acceptable.
5. **Interim Remediation Monitoring.** The "Agency Response and Work Plan Addendum," proposes groundwater monitoring from the existing groundwater monitoring wells approximately 3, 6, and 9 months after the final injection event. Results are to be presented in the Quarterly Monitoring Reports. We request that the interim remediation monitoring also include vapor monitoring from all existing vapor monitoring probes. We request that the soil vapor probes be sampled and analyzed for TPHg using EPA Method TO-3 Modified and for BTEX by EPA Method TO-14A Modified prior to the initial injection event and three days after the start of the initial injection event. The number and frequency of soil vapor sampling and analysis during the second and third injection events are to be based upon results from the soil vapor monitoring during initial injection event. The soil vapor probes are also to be monitored using a PID meter prior to each injection event, each day during the injection events, and three consecutive days following the end of the injection events. Please present the results in the Interim Remediation Report requested below.

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TECHNICAL REPORT REQUEST

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

- **July 15, 2008** – Work Plan for Vertical Delineation
- **August 20, 2008** – Well Decommissioning and Well Installation Report
- **October 29, 2008** – Interim Remediation Report
- **45 days following end of each quarter** – Quarterly 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.

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/cleanup/electronic_reporting).

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.

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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

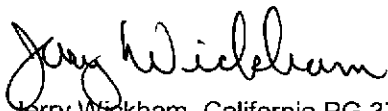
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

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) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,



Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA
94612-2032

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Leah Goldberg, Meyers Nave, 555 12th Street, Suite 1500, Oakland, CA 94607

Jacquelyn England, Conestoga-Rovers & Associates, 19449 Riverside Drive, Suite 230,
Sonoma, CA 95476

Ana Friel, Conestoga-Rovers & Associates, 19449 Riverside Drive, Suite 230,
Sonoma, CA 95476

Grover Buhr, Treadwell & Rollo, 501 14th Street, 3rd Floor, Oakland, CA 94612

Donna Drogos, ACEH
Jerry Wickham, 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)