

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

September 12, 2008

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

Mr. Richard Burge
Burge-Pacific Enterprises, Inc.
490 Grand Avenue, Suite 200
Oakland, CA 94610

Subject: Fuel Leak Case No. RO0000505 and Geotracker Global ID T0600102237, 7-Eleven #20009, 2350 Harrison Street, Oakland, CA 94612

Dear Mr. Brown and Mr. Burge:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above referenced site including the recently submitted document entitled, "*Subsurface Investigation Report*," dated July 9, 2008 and prepared by Conestoga-Rovers & Associates on behalf of Shell Oil Products. The Subsurface Investigation Report presents the results from soil and groundwater sampling at six locations on the site. Total petroleum hydrocarbons as gasoline were detected in soil and groundwater samples at concentrations up to 2,700 milligrams per kilogram (mg/kg) and 6,500 micrograms per liter ($\mu\text{g/L}$), respectively. Total petroleum hydrocarbons as diesel were detected in soil and groundwater samples at concentrations up to 22,000 mg/kg and 2,900 $\mu\text{g/L}$, respectively. A recommendation to sample the existing monitoring wells on a quarterly basis is presented in the Subsurface Investigation Report. Based on the results presented, the recommendation to monitor the existing wells for one year is inadequate. Further investigation of the site is required.

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

TECHNICAL COMMENTS

1. **Detection of 1,1,2,2-Tetrachloroethane in Soil.** Three of four soil samples collected from boring S-2 contained 1,1,2,2-tetrachloroethane at concentrations up to 18 mg/kg. However, 1,1,2,2-tetrachloroethane was not detected in groundwater samples at the site. Boring S-2 is apparently the closest boring to the reported location of the former waste oil tank. We request that you conduct further investigation to identify the source of 1,1,2,2-tetrachloroethane. Soil vapor sampling is necessary to evaluate whether 1,1,2,2-tetrachloroethane in the soil poses a potential risk for vapor intrusion to indoor air. Please present plans for investigation of the source of 1,1,2,2-tetrachloroethane and soil vapor sampling in the Work Plan requested below.

2. **Sensitive Receptors.** Fuel hydrocarbons were detected in the apparent downgradient well S-1 in the southwestern corner of the property. A plume of dissolved phase hydrocarbons most likely extends off-site. We request that you identify any sensitive receptors such as schools, day care centers, or medical care facilities within 500 feet of the site. Please include this information in the Work Plan requested below.
3. **Potential Discharge to Surface Water.** We note that a small channel leading to Lake Merritt is located approximately 280 feet south of the site. Fuel hydrocarbons were detected in apparent downgradient well S-1 in the southwestern corner of the property. A plume of dissolved phase hydrocarbons most likely extends off-site. Please propose investigation in the Work Plan requested below to assess whether a plume of fuel hydrocarbons extends a sufficient distance off-site to potentially discharge to surface water.
4. **Heavier Fraction of Petroleum Hydrocarbons Detected in Soil.** Total petroleum hydrocarbons as motor oil were detected at a concentration of 23,000 mg/kg in shallow soil (6.0 feet bgs) from boring S-5. Boring S-5 appears to be located in a cross gradient location from the former USTs. Please indicate whether the TPH as motor oil detected in boring S-5 represents weathered gasoline or may represent a separate release of motor oil or hydraulic oil. A drawing of the site, which is included as Attachment A, indicates that a former building on the site contained hydraulic hoists. Please propose investigation as appropriate in the Work Plan requested below to assess whether a release of heavier hydrocarbons may have occurred and may affect the area beneath the building.
5. **Detailed Well Survey.** In order to identify potential receptors for the fuel hydrocarbon plume from your site, we request that you locate all water supply wells within a radius of 2,000 feet of the subject site. We recommend that you obtain well information from both Alameda County Public Works Agency and the State of California Department of Water Resources, at a minimum. Submittal of maps showing the location of all wells identified in your study, and the use of tables to report the data collected as part of your survey are required. Please provide a table that includes the well designation, location, total depth, diameter, screen interval, date of well installation, current status, historic use, and owner of the wells. In addition, please provide well logs and completion records for wells downgradient from the site that are potential receptors. Please present your results in the Work Plan requested below.
6. **Quarterly Groundwater Sampling.** In the Work Plan requested below, please include plans for quarterly groundwater monitoring of the six existing wells.

TECHNICAL REPORT REQUEST

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

- **November 12, 2008** – 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

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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](http://www.swrcb.ca.gov/ust/cleanup/electronic%20reporting)).

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.

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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

Attachment A: Site Drawing

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

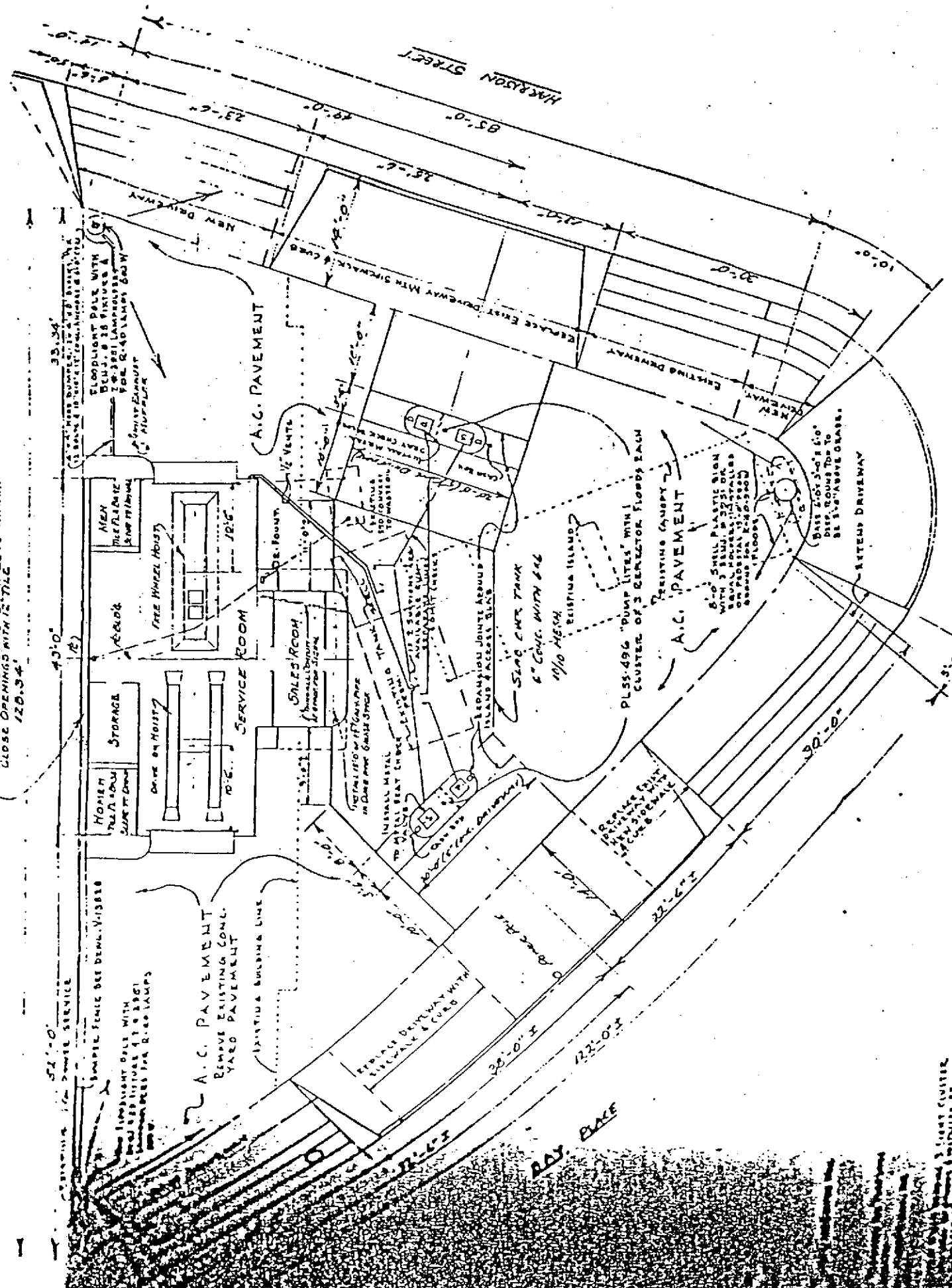
Peter Schaefer, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A
Emeryville, CA 94608

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

David Siegel, ERAS Environmental, 1533 B Street, Hayward, CA 94541

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

THIS PORTION OF EXISTING PAVEMENT TO REMAIN
CLOSE OPENINGS WITH 12" TILE
120.34'



33.34'
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ELECTRIC PANELS
700-2251 LAMP HOUSING
FOR 8-40 LAMP BAY
MUST BE MAINTAINED

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TOILETS
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STORAGE
DRIVE BY HOIST

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10'-0" x 10'-0"

12'-0" x 12'-0"
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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)