

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
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October 23, 2008

Mr. Kirk Hutchinson
Hutch's Car Wash
1367 A Street
Hayward, CA 94541-2929

Ms. Ophelia Bohannon
Ophelia Bohannon Trust
17945 Hesperian Boulevard
San Lorenzo, CA 94580

Subject: Fuel Leak Case No. RO00000451 (Global ID #T0600102285) Hutch's Car Wash, 17945 Hesperian Blvd, San Lorezno, CA

Dear Mr. Hutchinson and Ms Bohannon:

Alameda County Environmental Health Department (ACEH) staff has reviewed the case file and report entitled, "Work Plan for Soil and Groundwater Assessment", received July 29, 2008 and prepared on your behalf by Aqua Science Engineers Inc (ASE). ASE has proposed the installation of four soil borings to evaluate the horizontal and vertical extent of contamination downgradient of your site. ACEH generally concurs with the work plan as proposed by ASE.

Based on ACEH staff review of the case file, we request that you address the following technical comments perform the work, and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to steven.plunkett@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Soil Boring Locations.** ASE has proposed the installation of four soil borings to assess the horizontal and vertical extent of soil and groundwater contamination beneath your site. ACEH generally agrees with the number and location of soil borings as proposed. However, we request that you adjust the linear distance between the soil borings to be 30 feet or less. Please update figure 2 (if the location of proposed soil borings change) and submit the figure in the preferential pathway report requested below. Please present the results from the soil boring installation in the soil and groundwater investigation report requested below.
2. **Preferential Pathway Study.** As requested previously in a correspondence dated April 16, 2003, ACEH required that you perform a preferential pathway study prior to the completion of the soil and groundwater investigation. To date we have not received the preferential pathway study; consequently, we request that you submit preferential pathway study as previously requested. Based upon your evaluation of the preferential pathway study the location of the proposed soil borings may need to be adjusted, if so please submit the new soil boring locations in a work plan addendum.

The purpose of the preferential pathway study is to locate potential migration pathways and conduits and determine the probability of the NAPL and/or plume encountering preferential pathways and conduits that could spread contamination. We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (wells, utilities, pipelines, etc.) for vertical and lateral migration that may be present in the vicinity of the site.

Discuss your analysis and interpretation of the results of the preferential pathway study (including the detailed well survey and utility survey requested below) and report your results in the next quarterly groundwater monitoring report (Second Quarter 2008) requested below. The results of your study shall contain all information required by California Code of Regulations, Title 23, Division 3, Chapter 16, §2654(b).

a. Utility Survey

An evaluation of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s) is required as part of your study. Please include maps and cross-sections illustrating the location and depth of all utility lines and trenches within and near the site and plume areas(s) as part of your study.

b. Well Survey

The preferential pathway study shall include a detailed well survey of all wells (monitoring and production wells: active, inactive, standby, decommissioned (sealed with concrete), abandoned (improperly decommissioned or lost); and dewatering, drainage, and cathodic protection wells) within a ¼ mile radius of the subject site. As part of your detailed well survey, please perform a background study of the historical land uses of the site and properties in the vicinity of the site. Use the results of your background study to determine the existence of unrecorded/unknown (abandoned) wells, which can act as contaminant migration pathways at or from your site. Please review and submit copies of historical maps, such as Sanborn maps, aerial photographs, etc., when conducting the background study. Please present the results from your preferential pathway study in the report requested below.

3. **Soil Sampling and Analysis.** ACEH agrees with the soil sampling as proposed in the work plan. Please present the results from soil sampling in the Soil and Groundwater Investigation Report requested below.
4. **Groundwater Sampling and Analysis.** ACEH agrees with the groundwater sampling as proposed in the work plan. Please present the results from soil sampling in the Soil and Groundwater Investigation Report requested below.
5. **Semi-annual Groundwater Monitoring.** ACEH has not received the 2007 or 2008 semi-annual groundwater monitoring reports. In addition we have not received a request to discontinue groundwater sampling. Please implement semi-annual groundwater monitoring and sampling according to the schedule outlined below.

6. **Figures and Tables.** Please provide a measurable scale for figure 2 (proposed soil boring location map). Also, please include a rose diagram of groundwater flow direction in semi-annual groundwater monitoring report requested below.

TECHNICAL REPORT REQUEST

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

- **December 1, 2008** – Semi-annual Groundwater Monitoring Report
- **December 15, 2008** – Preferential Pathway Study and Work Plan Addendum (if needed)
- **January 30, 2009** – Soil and Groundwater Investigation Report
- **June 1, 2009** – Semi-annual 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

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. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

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. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for 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 monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was 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.

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.

Should you have any questions, do not hesitate to call me at (510) 383-1767.

Sincerely,



Steven Plunkett
Hazardous Materials Specialist



Donna Drogos, PE
Supervising Hazardous Materials Specialist

cc: Robert Kitay
Aqua Science Engineers Inc.
208 W. El Pintado Road, Suite C
Danville, CA 94526

Donna Drogos, ACEH, Steven Plunkett, ACEH
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