

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

June 22, 2006

Mr. Bill Puha
Fruitvale Farnam Associates, LLC
141 Woodland Way
Piedmont, CA 94611

Mr. Ken Phares
c/o Jay Phares Corporation
10700 Mac Arthur Blvd.
Oakland, CA 94605

Mr. Paul Supple
BP West Coast Products, LLC
PO Box 6549
Moraga, CA 94549

Subject: Fuel Leak Case No. RO0000307, Arco #0402/Parking Lot, 1450 Fruitvale Avenue, Oakland, CA

Dear Mr. Phua: Phares and Supple

Alameda County Environmental Health Department (ACEH) staff has reviewed recently submitted report entitled, "Work Plan for Monitoring Well Installation", dated March 7, 2005 and prepared on your behalf by AEI Consultants. As a result of redevelopment activities at the site three onsite monitoring wells MW-1, MW-2 and MW-3 have been lost or destroyed. The former monitoring wells MW-1, MW-2 and MW-3 tested for TPHg in groundwater returned results of 3800 µg/L, 7400 µg/L and 25,000 µg/L, respectively. The residual concentrations in groundwater indicate that petroleum hydrocarbon contamination continues to be a concern at the site. ACEH generally agrees with the proposed scope of work presented in the Work Plan report. However, ACEH requests that one additional monitoring well be installed approximately midway between MW-5 and MW-6, which will help refine onsite soil and groundwater conditions.

We request that you address the following technical comments 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. **Proposed Monitoring Well Installation and Soil Sampling.** Prior to monitoring well installation, soil samples should be screened with a PID and examined for visible staining and hydrocarbon odor. ACEH request that soil samples be collected as follows. Any interval

where staining, odor, or elevated PID readings occur, the capillary fringe, where groundwater is first encountered and at distinct changes in lithology. If no change in lithology then at five foot intervals until a total depth is reached. Upon completion of the monitoring well installation we request that you submit all well construction details, technical specifications and well lithologic logs in the report requested below. In addition, we request that a licensed professional surveyor survey the monitoring well location. Please present the result of the monitoring well installation in the report requested below.

2. **Chemical Analysis.** ACEH concurs with the proposed chemical analyses for all soil and groundwater samples. We also request that EtOH be added to the list of constituents for laboratory analysis for both soil and groundwater.
3. **Groundwater Flow Direction.** Review of groundwater elevation data in the area indicate the hydraulic gradient for the site appears to vary between southeast, northwest and southwest as shown on the rose diagram on Figure 3 for the September 2002 monitoring event. The groundwater flow direction identified in 2002 may not be consistent with the regional hydraulic gradient in the area. Please review groundwater elevation data in the area to reflect current conditions. Please present the updated hydraulic gradient in the report requested below.
4. **Hydrogeologic cross-sections.** Please incorporate data from the proposed monitoring wells and existing soil borings data into hydrogeologic cross sections. Include an interpretive drawing of the vertical extent of soil and groundwater contamination (i.e., an interpretive drawing—not a plot of laboratory results). The report requested below is to include one cross section parallel and one cross section perpendicular to the contaminant plume axis, at a minimum. Please present the cross sections in the Soil Water Investigation Report requested below. Each cross section should include, but not be limited to, the following:
 - a. Subsurface geologic features, depth to groundwater and man-made conduits.
 - b. Surface topography. The cross sections should be extended off-site where necessary to show significant breaks in slope.
 - c. Soil descriptions for all borings and wells along the line of section.
 - d. Screen and filter pack intervals for each monitoring well.
 - e. Sampling locations and results for soil and grab groundwater samples.
 - f. Site features such as the tank pit, dispensers, buildings etc. Where appropriate, monitoring well location and soil boring locations will be projected back to the strike of the cross section line.
5. **Quarterly Groundwater Monitoring and Sampling.** Please begin quarterly groundwater monitoring for the site once the proposed monitoring wells have been installed and developed. Water samples are to be analyzed for TPHg, BTEX, and MtBE on a quarterly basis. Results are to be presented in the quarterly monitoring reports requested below. However, after one year a determination will be made by ACEH to establish if further investigation and monitoring will be needed. Please present the result of groundwater monitoring and sampling in the reports requested below.

TECHNICAL REPORT REQUEST

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

- **August 1, 2006 – Soil and Water Investigation Report**
- **January 15, 2007 – Fourth Quarter 2006 Groundwater Monitoring Report**
- **April 15, 2007 – First Quarter 2007 Groundwater Monitoring Report**
- **August 15, 2007 – Second Quarter 2007 Groundwater Monitoring Report**
- **October 15, 2007 – Third Quarter 2007 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

Mr. Bill Puha
June 22, 2006
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.

Sincerely,



Steven Plunkett
Hazardous Materials Specialist

cc: Mr. Peter McIntyre
AEI Consultants
3210 Old Tunnel Rd.
Lafayette, CA 94549

Donna Drogos, ACEH
Steven Plunkett, ACEH
File



ALAMEDA COUNTY
HEALTH CARE SERVICES AGENCY

Department Of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

R0000307

att/Julie



UNITED STATES POSTAGE
FIRST CLASS
FIRST CLASS PERMIT NO. 1000 ALAMEDA CA
02 1M \$ 00.42⁰
0004256184 OCT 20 2008
MAILED FROM ZIP CODE 94502

RECEIVED *NOT AT THIS*

OCT 27 2008

ENVIRONMENTAL HEALTH SERVICES

ADDRESS

**Curtis & Joyce Thomas
810 Lisbon Avenue
Oakland, CA 94601-1446**

NIXIE 945 DC 1 00 10/25/08

RETURN TO SENDER
ATTEMPTED - NOT KNOWN
UNABLE TO FORWARD

BC: 94502654031 *1305-12427-20-40

94501-1446
945026540

