ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

DEPARTMENT OF ENVIRONMENTAL HEALTH LOCAL OVERSIGHT PROGRAM (LOP) For Hazardous Materials Releases 1131 HARBOR BAY PARKWAY, SUITE 250 ALAMEDA, CA 94502 (510) 567-6700 FAX (510) 337-9335

REBECCA GEBHART, Interim Director

January 3, 2017

Dr. Brian Sheaff William G. Sheaff & Patricia Warren Restated Living Trust U/D/T 2/14/89 1945 Parkside Drive Concord, CA 94519

(Sent via electronic mail: drsheaff@pacbell.net)

Subject: Conditional Work Plan Approval; Fuel Leak Case No. RO0000377 and Geotracker Global ID

T0600102112, Sheaffs Service Garage, 5930 College Avenue, Oakland, CA 94618

Dear Dr. Brian Sheaff:

Alameda County Department of Environmental Health (ACDEH) staff has reviewed the case file including the *Data Gap Work Plan*, dated September 30, 2016. The report was prepared and submitted on your behalf by Wheeler Group Environmental LLC (WGE). Thank you for submitting the work plan. The work plan proposes the installation of soil bores, soil vapor wells, and the potential collection of infiltration water from an elevator sump immediately downgradient of the site release, in an effort to fill remaining data gaps at the site.

As previously communicated in previous letters, while ACDEH has found that the release consisted of petroleum only, one of the remaining concerns at the site includes the presence of tetrachloroethene (PCE) in soil vapor, and PCE and its degradation products including Trichloroethene (TCE), cis-1,2-Dichloroethene (cis-1,2-DCE), and sporadically vinyl chloride (VC) in groundwater beneath the site. This contaminant does not appear to be associated with the petroleum release and may require the opening of a separate non-UST funded case to manage the investigation and potential cleanup of this contamination. ACDEH understands that an offsite source for the PCE may be present upgradient of the site; however, ACDEH notes that an onsite source may also be present, and additional work has been proposed to locate and identify these potential sources.

Based on ACEH staff review of the work plan, the proposed scope of work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed work. Submittal of a revised work plan or a work plan addendum is not required unless an alternate scope of work outside that described in the work plan or these technical comments is proposed. We request that you address the following technical comments, perform the proposed work, and send us the report described below. Please provide 72-hour advance written notification to this office (e-mail preferred to: mark.detterman@acqov.org) prior to the start of field activities.

TECHNICAL COMMENTS

- 1. Work Plan Modifications The referenced work plan proposes a series of actions with which ACDEH is in general agreement of undertaking; however, ACDEH requests several modifications to the approach. Please submit an excavation report by the date specified below.
 - a. Soil Bore B35 ACDEH is in agreement with the installation of soil bore B35 to collect grab groundwater in an effort to determine the extent of the reduction in groundwater concentrations at this location. Due to a very limited analytical data for soil in the 0 to 5 and 5 to 10 foot depth intervals along the southern property line, it appears appropriate to request the collection of soil samples for all petroleum contaminants of concern (COCs) at the site in this soil bore. The data are likely to be useful in determining risk at the adjacent downgradient residential apartment building.

- b. Depth of Soil Bores Soil bores were generally proposed to extend to a depth of 12 feet below surface grade (bgs), with perhaps the exception of bore B36. On the table on page 12 of the work plan, soil bore B36 was proposed to extend to 5 feet bgs. While this appears inadvertent, ACDEH wishes to clarify the wording, and requests soil bore B36 be extended to a minimum of 12 feet bgs, similar to other proposed bores. Additionally, ACDEH requests all soil bores be extended sufficiently to define the vertical extent of contamination and to collect groundwater where proposed. Review of previous bore logs, such as B34 and existing bore B35, indicates the extent of contamination extends vertically to at least 15 feet.
- c. Soil Vapor Sampling Similar to the work plan in general, the soil vapor investigation proposes a series of actions with which ACDEH is in general agreement of undertaking; however, ACDEH requests several modifications to the approach, as follows:
 - i. Semi-Permanent Vapor Wells In order to clarify language in the work plan, ACDEH requests that all vapor wells remain in place until it is determined they are no longer needed to understand the vapor contamination at the site. This will allow repeat vapor sampling if appropriate at the site.
 - ii. Shroud Tracer Concentrations In the event of a leak in the vapor seal and tracer is detected in the subsurface vapor sample, please ensure that the shroud vapor concentration has been determined by the submittal of a shroud vapor sample to the analytical laboratory. The Department of Toxic Substances Control (DTSC) has guidance on the acceptability of the sample provided the percentage of leak is less than 5 percent..
 - iii. Vapor Analytical Suite Please additionally analyze for oxygen, carbon dioxide, and methane in all vapor samples. The data will provide useful data to understand degradation of petroleum hydrocarbons at the site, and have the potential to be additionally useful for the chlorinated solvents. In addition to naphthalene analysis by TO-15, please analyze for naphthalene by TO-17 in conformance with DTSC guidance for naphthalene vapor analysis (Appendix D, Active Soil Gas Investigations, July 2015, DTSC).
- d. Soil Sample Selection Soil samples are proposed to be collected at 2, 5, and 10 feet bgs in soil bores B36, B37, and B38. While ACDEH is in general agreement with the depth intervals, ACDEH requests the sample selection be based on signs of contamination, including staining, photoionization detector (PID) responses, odor, or other indications of contamination, and at major lithologic changes, just above groundwater, and near the bore termination depth in order to define the contamination vertically.
- 2. Groundwater Monitoring Please continue to conduct semi-annual groundwater monitoring events at the site and submit reports in accordance with the schedule below. Please continue to include analysis for TPHd in future groundwater monitoring events. Please collect an additional round of groundwater samples from wells MW-1 and MW-2 and conduct analysis for TPHd with and without Silica Gel Cleanup (SGC) in order to refine the extent of natural biodegradation of the extractable-ranged hydrocarbons at the site. This is consistent with the San Francisco Bay Regional Water Quality Control Board (RWQCB) recommendations for SGC. The need for continued analysis of these contaminants should be evaluated further thereafter.

SUBMITTAL ACKNOWLEDGEMENT STATEMENT

Please note that ACDEH has updated Attachment 1 with regard to report submittals to ACDEH. ACDEH will now be requiring a Submittal Acknowledgement Statement, replacing the Perjury Statement, as a

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cover letter signed by the Responsible Party (RP). The language for the Submittal Acknowledgement Statement is as follows:

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's Geotracker Website.

Please make this change to your submittals to ACDEH.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACDEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the following specified file naming convention and schedule:

- January 27, 2017 Second 2016 Semi-Annual Groundwater Monitoring Event (File to be named: RO377_GWM_R_yyyy-mm-dd)
- March 17, 2017 Site Investigation Report (File to be named: RO377_SWI_R_yyyy-mm-dd)
- August 25, 2017 First 2017 Semi-Annual Groundwater Monitoring Event (File to be named: RO377_GWM_R_yyyy-mm-dd)

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.

Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm.

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 567-6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Mark Detterman, P.G., C.E.G. Senior Hazardous Materials Specialist

Enclosures: Attachment 1 - Responsible Party(ies) Legal Requirements/Obligations &

ACDEH Electronic Report Upload (ftp) Instructions

cc: John Accacian, 5930 College Avenue, Oakland, CA 94618 (Sent via electronic mail: jijiracingaol@yahoo.com)

Brent Wheeler, Wheeler Group Environmental, LLC, 369-B Third Street, Suite 221, San Rafael, CA 94519 (Sent via electronic mail: bwheeler@wheelergroupenvironmental.com)

Mark Youngkin, Wheeler Group Environmental, LLC, 369-B Third Street, Suite 221, San Rafael, CA 94519 (Sent via electronic mail: mark.youngkin@gmail.com)

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Dilan Roe, ACDEH, (Sent via electronic mail to: dilan.roe@acgov.org)

Paresh Khatri, ACDEH; (Sent via electronic mail to: paresh.khatri@acgov.org)

Mark Detterman, ACDEH, (Sent via electronic mail to: mark.detterman@acgov.org)

Electronic File; GeoTracker

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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

Alameda County Department of Environmental Health's (ACDEH) Environmental Cleanup Oversight Programs, Local Oversight Program (LOP) and Site Cleanup Program (SCP) 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 File Transfer Protocol (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 SCP 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 (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/) for more information on these requirements.

ACKNOWLEDGEMENT STATEMENT

All work plans, technical reports, or technical documents submitted to ACDEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website." 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 6731, 6735, and 7835) 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 licensed 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 case meet this requirement. Additional information is available on the Board of Professional Engineers, Land Surveyors, and Geologists website at: http://www.bpelsg.ca.gov/laws/index.shtml.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late 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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)

REVISION DATE: December 1, 2016

ISSUE DATE: July 5, 2005

PREVIOUS REVISIONS: October 31, 2005;

December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010; May 15, 2014, November 29, 2016

SECTION: Miscellaneous Administrative Topics & Procedures

SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SCP) 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

- Please do not submit reports as attachments to electronic mail.
- Entire report including cover letter must be submitted to the ftp site as a single portable document format (PDF) with no password protection.
- 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.
- <u>Do not</u> 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. <u>Documents</u>
 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)

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 deh.loptoxic@acgov.org.
 - 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) Open File Explorer using the Windows 🏙 key + E keyboard shortcut.
 - i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) On the address bar, type in ftp://alcoftp1.acgov.org.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive)
 - d) Click Log On.
 - e) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - f) 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.
- Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to deh.loptoxic@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 @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). If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.