

From: [Detterman, Karel, Env. Health](#)
To: ["Ian Sutherland"](#)
Cc: ["Gerald Shirar"](#)
Subject: FW: Fuel Leak Case RO140 - Roy Anderson Paints, Geotracker Global ID TO600101621, 3080 Broadway, Oakland, CA 94611
Date: Monday, December 08, 2014 10:05:50 AM

Hello Ina:

I received your voice mail; please implement the technical comments listed my 12/2/2014 e-mail during the course of the field work, schedule the field work, and document the field work, including the technical comments, in the requested report below.

Thank you,

Karel Detterman, PG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6708
Fax: 510.337.9335
Email: karel.detterman@acgov.org

PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

From: Detterman, Karel, Env. Health
Sent: Tuesday, December 02, 2014 1:49 PM
To: 'Gerald Shirar'
Cc: Roe, Dilan, Env. Health; 'Ian Sutherland'
Subject: RE: Fuel Leak Case RO140 - Roy Anderson Paints, Geotracker Global ID TO600101621, 3080 Broadway, Oakland, CA 94611

Hello Jerry:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Well Sampling Protocols* (Protocols) prepared and submitted on your behalf by ACC Environmental Consultants (ACC) by e-mail on 11/20/2014. The Protocols were submitted in response to a meeting with you on October 30, 2014. Thank you for submitting the Protocols.

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. 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: karel.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS ON THE PROTOCOLS

- 1. Bullet No.2:** Please record all observations on the field form;
- 2. Bullet No. 7:** If measurable floating free product is encountered, please note that observation on the field form and collect a groundwater sample from the well for metal analysis; the focus of this sampling event are the elevated metals found in groundwater and not the total petroleum

hydrocarbon concentrations;

3. **Bullet No. 15:** Filter the groundwater sample in the field with a 0.45 micron filter and document on the Chain of Custody;
4. **Bullet No. 16:** Place the filtered groundwater sample in a laboratory-supplied, labeled 250-milliter plastic (polyethylene) bottle pre-preserved with nitric acid and document on the Chain of Custody.

TECHNICAL REPORT REQUEST

Please upload the technical report to the ACEH ftp site (Attention: Karel Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with Attachment 1 and the following specified file naming convention and schedule:

- **December 31, 2014** –Groundwater Monitoring and Sampling Letter Report including the Well Sampling Protocols
File to be named: RO140_GWM_R_yyyy-mm-dd

This report is 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.

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please send me an e-mail message at karel.detterman@acgov.org or call me at (510) 567-6708.

Karel Detterman, PG
Hazardous Materials Specialist
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From: Detterman, Karel, Env. Health
Sent: Thursday, October 30, 2014 5:35 PM
To: 'Gerald Shirar'
Cc: Roe, Dilan, Env. Health
Subject: FW: Fuel Leak Case RO140 - Roy Anderson Paints, Geotracker Global ID TO600101621, 3080 Broadway, Oakland, CA 94611

Hello Jerry:

Thank you for participating in the meeting with Alameda County Environmental Health (ACEH) at our office today for a discussion of your case.

ACEH staff has reviewed the case file including ACC Environmental Consultants (ACC's) *Groundwater Monitoring and Compliance Report* (Report) dated October 24, 2011, and the

following bulleted list summarizes the main discussion topics during the meeting:

1. Based on our analysis of data, the groundwater concentrations of total petroleum hydrocarbons detected during the 9/12/2011 sampling event may be attributed to the off-site migration of the upgradient contaminant plume from Connell Oldsmobile, 3093 Broadway, Oakland (Fuel Leak case RO0000199) through the vicinity of Roy Anderson's Groundwater Monitoring Well (MW)-1;
2. A non-culvertized section of Glen Echo Creek is located 125 feet downgradient (northeast and east) of the site;
3. Soil samples collected and analyzed during the underground storage tank removal in 1993 indicated concentrations of chromium, nickel, lead, and zinc (see attached Table 3) in the sample from 6 feet below ground surface (bgs), but below laboratory detection limits in a sample from 8 feet bgs;
4. Well MW-1 was installed adjacent to the former UST location in 1994, but neither soil or groundwater samples were analyzed for metals;
5. MW-1 was redeveloped in 2011; all metal detections for the analyzed metals (cadmium, chromium, nickel, lead, and zinc) in groundwater exceeded the San Francisco Bay Regional Water Quality Control Board's Environmental Screening Levels (ESLs) and may indicate a secondary source of metals in the vicinity of the former UST (see attached Table 1);
6. A footnote at the bottom of the Report's Table 1 *Groundwater Analytical Table* indicated that metal analysis for these samples was run on unfiltered groundwater; however the Report does not describe if the groundwater samples were preserved with acid. If the groundwater samples were unfiltered and acidified, the acid can leach metals out of the sediment resulting in elevated metal results and ESL exceedance.

TECHNICAL COMMENTS

1. **Groundwater Monitoring Well Sampling:** ACEH requests a groundwater monitoring and sampling event to verify metal concentrations.
 - a. Prior to sampling the well, ACEH first requests submittal of a detailed description of groundwater sampling protocols including sampling procedures for metals including, but not limited to, the type and volume of sample container and whether or not the bottles are acidified. Please submit the sampling protocols by e-mail to my attention (karel.detterman@acgov.org).
 - b. Upon ACEH's review, comment, and approval of the sampling protocols, the consultant may sample MW-1. Please prepare and submit a technical report by the deadline provided below.
2. **Verification of Groundwater Monitoring Well Repair** – Please request your consultant to document in the technical report requested below that the well box for MW-1 was repaired and the well cap was replaced. Securing the well should minimize the potential for surface water runoff and/or illegally dumped contaminants entering the well, thereby raising the question of the reliability of all analytical data from the only site well.

TECHNICAL REPORT REQUEST

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Karel Detterman, PG
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From: Detterman, Karel, Env. Health
Sent: Thursday, October 30, 2014 12:39 PM
To: 'Gerald Shirar'
Cc: Roe, Dilan, Env. Health
Subject: Fuel Leak Case RO140 - Roy Anderson Paints, Geotracker Global ID TO600101621, 3080 Broadway, Oakland, CA 94611

Hi Jerry:

I just read footnote number 1 at the bottom of ACC's Table 1 "Groundwater Analytical Table" that says "metal analysis for these samples was run on *unfiltered groundwater*".

I will send you the directive e-mail this afternoon.

Thank you,

Karel Detterman, PG
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