

## Detterman, Mark, Env. Health

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**To:** Hetrick, Eric G; Gilbert, Judy; bbrasher@crowworld.com; 'Wilken, Brandon'  
**Cc:** Roe, Dilan, Env. Health; dehloptoxic, Env. Health  
**Subject:** FW: Chevron 9-5607 5269 Crow Canyon Rd, Castro Valley, CA (RO350): Conditional Approval of Work Plan

Erik,

Alameda County Environmental Health (ACEH) has reviewed the *Work Plan for Soil Vapor Investigation*, dated August 30, 2013, submitted by Conestoga-Rovers & Associates (CRA) at the request of ACEH. The work plan was submitted in follow up to the recent submittal of a draft work plan as discussed at an August 21, 2013 meeting regarding the site. The final work plan proposed the installation of nine dual completion soil vapor wells. Six are proposed for onsite locations and four were proposed for offsite locations. The onsite wells were proposed to be installed at a depth of 7 and 12 feet below grade surface (bgs), while offsite wells were proposed for installation at 3.5 and 7 feet bgs due to elevation differences. Vapor samples were proposed to be collected in accordance with DTSC guidelines and Chevron soil vapor protocols. At least three undisturbed shallow soil samples were proposed for collection in the upper 10 feet of the site (two above five feet, and one below five feet), and at least one undisturbed soil sample was proposed to be collected within each screen interval of all soil vapor probes as itemized above.

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. Should an alternative proposal be considered, the methods should be incorporated into a revised work plan. ACEH requests expediency in conducting this work as it is being collected to support Monitored Natural Attenuation and as such is a variance from the approved Corrective Action Plan. We request that you address the following technical comments, perform the proposed work, and send us the report described below. ACEH has already received a 72-hour advance written notification of this work.

### **TECHNICAL COMMENTS**

- 1. Work Plan Modifications** – The referenced work plan proposes a series of actions with which ACEH is in general agreement of undertaking; however, requests a modification to the approach. Please submit a report by the date specified below.
  - a. Shallow Soil Sample Collection** – The work plan proposes to collect and retain for laboratory analysis at least two undisturbed onsite soil samples from the 0 to 5 foot depth interval in addition to soil samples within each screen interval of each well. Because the majority of the proposed soil samples will be in the 5 to 10 foot depth interval, ACEH requests that sufficient shallow onsite soil samples be collected from the 0 to 5 foot depth interval to characterize each potential source zone (each dispenser island, and the UST excavation edges), in addition to a bias towards signs of contamination (staining, odor, and etc).

### **TECHNICAL REPORT REQUEST**

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

- **September 27, 2013 – Data Transmittal (tabulated soil and soil vapor analytical, bore and well construction logs, site and vicinity plan, etc.)**  
File to be named: RO350\_SWI\_R\_yyyy-mm-dd
- **October 28, 2013 – Soil and Groundwater Investigation**  
File to be named: RO350\_SWI\_R\_yyyy-mm-dd

Should you have any questions, please contact me at (510) 567-6876 or send me an electronic mail message at [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org). Because I will be out of the office until Wednesday September 4<sup>th</sup>, please also contact Dilan Roe at (510) 567-6767 or [dilan.roe@acgov.org](mailto:dilan.roe@acgov.org) should you have questions in the interim period of time.

cc. Kevin and Julia Hinkley, Kevin Hinkley Service, 5269 Crow Canyon Road, Castro Valley, CA 94552  
Geotracker, Electronic File

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*PDF copies of case files can be downloaded at:*

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