

## Wickham, Jerry, Env. Health

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**From:** Wickham, Jerry, Env. Health  
**Sent:** Wednesday, January 30, 2013 3:44 PM  
**To:** 'Turner, Joseph'  
**Cc:** Nourot, Tianna; Frey, Chuck  
**Subject:** RE: RO #3076 - Extension Request for Site Investigation Report.

Joseph:

Based on your request, the schedule for submittal of a Site Investigation Report is extended to March 15, 2013. I have no objections to the proposed indoor and ambient air sampling. I assume that the SIM mode will be used for the target analytes but the other VOCs will be reported for the standard TO-15 analysis.

Regards,  
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**From:** Turner, Joseph [<mailto:JTurner@BrwnCald.com>]  
**Sent:** Wednesday, January 30, 2013 11:41 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Nourot, Tianna; Frey, Chuck  
**Subject:** RO #3076 - Extension Request for Site Investigation Report.

Jerry: As we discussed last week regarding the site investigation being conducted at 6175 Southfront Road in Livermore, California, the second round of sub-slab sampling is scheduled to be conducted this weekend on February 2, 2013. Laboratory reports for this sampling round should be received within 2 to 3 weeks at which time we will begin preparation of the Site Investigation Report. Per your letter dated October 16, 2012, the current due date for the Site Investigation Report is February 13, 2013. Per this email, we are requesting an extension of this due date to March 15, 2013.

As we also discussed, we have included an additional task to the program, indoor air sampling. This program will also be conducted this weekend. Although not requested by ACEH, I would appreciate any comments you may have to our proposed scope of work for this task. A summary of this scope is provided below.

“Indoor air sampling will be conducted consistent with the Final Vapor Intrusion Guidance from the California Department of Toxic Substances and Control (DTSC) dated October 2011. The indoor air sampling will consist of collecting four vapor samples—two outside the building and two inside the building within the Break Room/Office. Samples will be collected using 6-liter summa canisters. For quality control purposes, a replicate of each sample from inside of the building will be collected, for a total of six samples. The intake for the summa canister will be placed in the breathing zone (approximately five feet above ground surface). The summa canisters will be individually certified clean by the laboratory. This building is used for commercial purposes; therefore, consistent with DTSC indoor air sampling guidance, each indoor air sample will be collected over a 8-hour period using a laboratory-provided flow controller. The indoor air samples will be collected in an environment that is representative of normal building use. Heating and air conditioning systems will be set to operate normally for the season and time of day. All windows will be closed during the sampling. The two outdoor, or ambient, air samples will be collected upwind of the building set at least five feet off the ground and five to 15 feet from the building.

Samples will be delivered to Air Toxics, LTD (Folsom, CA) for analysis using USEPA Method TO-15 in Selected Ion Monitoring (SIM) mode for maximum sensitivity and to ensure detection limits acceptable to DTSC/OEHHA. Target analytes specified to the lab for SIM analysis will include vinyl chloride (VC), PCE, the PCE impurity 1,1,1-trichloroethane (1,1,1-TCA), and the PCE breakdown products TCE, 1,2-DCE, 1,1-dichloroethene (1,1-DCE) and trans-1,2-DCE. Detection limits will be below CHHSLs for indoor air assuming commercial use.”

Thank you for your time and consideration. If you have any questions or require additional information, please call me at the number listed below.

**Joseph Turner**

Chief Hydrogeologist

**Brown and Caldwell**

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