

Detterman, Mark, Env. Health

From: Hey, Eva [Eva.Hey@stantec.com]
Sent: Friday, April 24, 2015 4:45 PM
To: Detterman, Mark, Env. Health; dehloptoxic, Env. Health
Cc: robert.webster@ddbo.com; Bassak, Andrew; Maxwell, Chris; Hey, Eva; Roe, Dilan, Env. Health
Subject: RO#157 Report Upload

This letter is to notify you that a report has been uploaded to the ftp site for the RO#157 site at 575 Paseo Grande in San Lorenzo.

Eva Hey

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Stantec Consulting Services Inc.

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April 24, 2015
File: 185702848

Mr. Mark E. Detterman, P.G., CEG
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Reference: March 25, 2015 Meeting Summary and Work Scope for Soil Vapor and Groundwater Sampling Activities, RO#167, 575 Paseo Grande, San Lorenzo, California

Dear Mr. Detterman,

Stantec Consulting Services Inc. (Stantec), on behalf of the David D. Bohannon Organization (Bohannon), is submitting this letter to summarize the teleconference held with the you and Dilan Roe of the Alameda County Health Care Service Agency (ACHCSA) on March 25, 2015 regarding on-going investigation activities at the above-referenced Site. During the meeting the results of recent field work was presented and an approach for supplemental investigation activities was discussed. The objective of the supplemental investigation is to address a few remaining data gaps as part of the overall Site closure process. A Work Scope for the supplemental investigations is included as part of this letter.

Meeting Summary

On January 30, 2015 Stantec on behalf of Bohannon submitted to the ACHCSA draft tables and figures presenting the results of groundwater sampling conducted in October 2014 and soil vapor sampling conducted in January 2015. The January 30th submittal included a brief text summary of the data and results. The purpose of the March 25th meeting was to discuss the draft results and the appropriate path forward. The meeting was attended by Mr. Mark Detterman and Ms. Dilan Roe representing ACHSA, Eva Hey and Chris Maxwell representing Stantec, and Robert Webster and Andrew Bassak representing Bohannon.

Based upon review of the draft information and discussions during the meeting, the ACHCSA requested that Bohannon perform another round of groundwater sampling for select wells and collect an additional set of soil vapor samples. The ACHCSA also requested that the groundwater samples include analysis of chlorinated hydrocarbons in addition to the previously analyzed gasoline range organics, BTEX and naphthalene. In addition, the ACHCSA requested additional information regarding local land use in the vicinity of the Site.

Work Scope

Groundwater sample collection is proposed at eight locations: seven (7) wells on Site and one well off-Site. Soil vapor sample collection is proposed at eleven (11) locations on Site and along Paseo Largo Vista. The procedures for groundwater, and soil vapor sampling as presented below are



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similar to the December 21, 2012 *Site Conceptual Model and Work Plan to Evaluate Post-Remediation Site Conditions* and the January 17, 2013 *Updated Work Plan to Evaluate Site Conditions*. The detailed scope is presented below.

Groundwater and Soil Vapor Sample Collection

Groundwater samples will be collected from select Site monitoring and observation wells in the 2nd Quarter 2015. The 8 (eight) wells proposed for sampling and analysis in the 2nd Quarter 2015 are MW-1 to MW-4, POBS-A1, POBS-B1, POBS-B2, and NOBS-B1. Groundwater samples will be analyzed for gasoline range organics by EPA Method 8260B/CA LUFT MS and volatile organic compounds (VOCs) and naphthalene by EPA Method 8260B. The VOCs will include chlorinated hydrocarbons and their degradation byproducts. The groundwater samples will be transported under chain-of-custody procedures to Test America Laboratories in Pleasanton, California, a California-certified analytical laboratory.

Soil vapor samples will be collected from select vapor wells in accordance with the October 2011 California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC) Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (DTSC VI Guidance). The eleven (11) wells proposed to be sampled are: SV-2, SV-4, SV-7, SV-10, SV-13, SV-14, SV-15, SV-16, SV-18S, SV-18D, and SV-19. The wells selected for sampling are those which elevated results or elevated detection limits in previous sampling events.

Soil vapor samples will be collected in laboratory-supplied and batch-certified 1.4-liter Summa canisters equipped with flow regulators. Sample flow rates will be set at approximately 200 milliliters per minute (mL/min) using a regulator that is pre-calibrated in the laboratory. Start and stop times and initial and final vacuum pressures will be recorded on field sheets and the chain-of-custody. The Summa canisters will be transported under chain-of-custody procedures to Curtis and Tompkins Laboratories in Berkeley, California, a California-certified analytical laboratory.

Samples will be submitted for analysis of VOCs and naphthalene using modified Method TO-15 (a gas chromatograph/mass spectrometer [GC/MS] analytical method), and for the leak check compound, helium, using modified American Society for Testing and Materials (ASTM) D-1946. Analysis of soil vapor samples will also include oxygen, nitrogen, methane, and carbon dioxide by ASTM D-1946. Samples from SV-4, SV-7, and SV-10, and SV-14 will also be collected for naphthalene by Method TO-17.

Waste generated during this investigation will be stored on-site in sealed 55-gallon drums and labeled with the generation date and nature of contents. Waste will be disposed of appropriately, based on analytical results. Disposal of all wastes will be conducted in accordance with federal, state and local regulations. Following receipt of the laboratory results, Stantec will contract an approved waste vendor for appropriate characterization and disposal.

Following receipt of the analytical results, Stantec will prepare draft tables and figures summarizing the analytical results and local land use conditions. The data will include tabulated laboratory sample analytical results, and scaled site plans showing sampling locations and analytical results. In addition, as request by the ACHCSA, Stantec will prepare hydrographs



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comparing groundwater analytical results with groundwater depths for wells MW-2, MW-3, MW-4, POBS-A1, POBS-B1 and POBS-B2.

As requested by the ACHCSA, these draft data tables and figures will be presented to and discussed with the ACHCSA, along with local land use information, at a meeting in their offices or a teleconference prior to development and submittal of a final technical report. The scope and nature of a final report will be determined based on discussions during that meeting.

If you have any questions, please contact the undersigned.

Regards,

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