

Detterman, Mark, Env. Health

From: Peter Morris <peterm@westenvironmental.com>
Sent: Thursday, May 04, 2017 5:29 PM
To: Detterman, Mark, Env. Health
Cc: tom@grafcon.us
Subject: Holiday.5thand Magnolia Sampling Notification-RO0003194

Mark:

We are scheduled to begin sampling at the 5th and Magnolia Street property on Monday May 8 (8AM) and complete by Tuesday May 9, 2017. I have included responses to ACEH comments on the Work Plan modifications below.

Please call me at 415/271-0366 if you have any questions.

-Here are responses to ACEH comments on Revised Work Plan:

Additional Bore Location – A number of soil bores are proposed to investigate contaminant concentrations within the planned footings for the buildings. In order to quickly assess the nature and quality of fill used to backfill the former 880 freeway support structures, it appears reasonable to request the addition of a soil bore coincident with a proposed foundation and one of the former support structures closest to Union Street. Existing soil bores have not previously investigated the nature of this material. The bore is requested to extend through the fill material and soil samples are requested to be collected to characterize the entire fill depth.

Additionally, a slight modification in the location of proposed bores B-4 and B-5 will also provide further information on the quality of backfill associated with the former freeway support structures to the east of the Union Street set, as well as the proposed foundation. These bores are again requested to extend through the depth of the fill for characterization purposes.

As noted in the Work Plan, the freeway support columns were demolished to approximately 3-feet below ground surface; therefore, advancing additional borings within the freeway support columns is not feasible.

Temporal Soil Vapor Concentrations – Vapor samples at W-2 and W-4 contained the highest concentrations of tetrachlorethene (PCE) in the September 2015 soil vapor sampling event. In order to assess temporal changes in vapor concentrations at known locations, it appears appropriate to request, in addition to the proposed soil vapor locations, resampling of the W-2 and W-4 locations.

Previous soil gas sample locations will be re-sampled.

Additional Soil Vapor Location – In order to address the potential for residential exposure to soil vapor concentrations at the proposed location of the two elevator shafts, it appears reasonable to request the installation of a vapor point at, or immediately adjacent to, proposed bore B-3. This location appears to be at least approximately 40 feet from previous vapor location W-4 which reported the highest PCE vapor concentration in September 2015.

A soil gas sample will, SG-5, will be collected near proposed soil boring B-3 and elevator shaft

Additional Soil Analytical – In order to characterize each proposed soil bore location with respect to potential contaminants including Total Petroleum Hydrocarbons (TPH) as gasoline (TPHg), TPH as diesel (TPHd), TPH as motor oil (TPHmo), and related petroleum volatile organic compounds, benzene, ethylbenzene, toluene, and total xylenes, (BTEX), and methyl tert butyl ether (MTBE), it is appropriate to request all bores include these analytes, including bores B-6, B-7, and B-8, not currently indicated on Table 5-1. Selection of the depth interval for analysis requested to be done based on signs of contamination (discoloration, staining, odor, PI responses, etc.) and documented in bore logs for all bores in the planned investigation report.

The intent of the additional analysis is to gather sufficient analytical data in one mobilization, and potentially preclude additional mobilizations to the site to collect the data. The data collection is anticipated to help move the site toward closure at a quicker pace.

All the samples collected from the soil borings will be analyzed for: TPHg, TPHd, TPHmo, BTEX and MTBE.

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