



March 16, 2012

Lynn Nakashima
Project Manager
Department of Toxic Substances Control
700 Heinz Avenue
Berkeley, CA 94710

**Subject: Proposed Continued Groundwater Monitoring, April 2012
University of California, Berkeley, Richmond Field Station, Richmond, California**

Dear Ms. Nakashima:

Tetra Tech EM Inc. (Tetra Tech) was contracted by the University of California (UC) Berkeley to conduct sampling activities at Richmond Field Station (RFS), in Richmond, California. The scope of the sampling was outlined in the Phase I Groundwater Field Sampling Workplan (FSW), dated June 2, 2010. The first phase of FSW implementation was the installation and sampling of shallow groundwater monitoring piezometers, which was conducted in October 2010. UC Berkeley collected the second and third rounds of groundwater samples in April and October 2011. The results of these sampling events are presented in the Final Revision 1, Phase I Groundwater Sampling Results Technical Memorandum, August 22, 2011; Final Revision 1, Phase I April 2011 Groundwater Sampling Results Technical Memorandum, February 1, 2012; and Final Phase I October 2011 Groundwater Sampling Results Technical Memorandum, dated February 29, 2012.

UC Berkeley proposes to collect a fourth round of groundwater data beginning April 2, 2012, concurrent with the ongoing biannual sampling at the adjacent Campus Bay site, to evaluate seasonal fluctuations of chemical concentrations and groundwater elevations. The sampling event will follow the Proposed Continued Groundwater Monitoring Locations workplan dated March 25, 2011 approved by DTSC on March 29, 2011 and summarized below.

Sample Locations

All 50 previously sampled locations (which include the 47 shallow piezometers installed by UC Berkeley during 2010, and three piezometers (PZ8, PZ9, and PZ11) previously installed by Zeneca) were selected for continued monitoring of dissolved metals (filtered), volatile organic compounds (VOC), total dissolved solids (TDS), semivolatile organic compounds (SVOC), polycyclic aromatic hydrocarbons (PAH); and total petroleum hydrocarbons (TPH). Unfiltered metals analysis will also be conducted from groundwater collected at piezometers FG, B474, EERC, PZ11, B195, CCC2, WTA, B163, ETA, Bulb1, and Bulb2 to confirm unfiltered concentrations identified during the initial investigation. Piezometer locations are shown on Figure 1, Groundwater Sampling Locations.

During the initial round of sampling conducted between September 3 and October 19, 2010, poor groundwater recharge prohibited sample collection at some locations in one attempt. If groundwater recharge is slow during this sampling event, the piezometer will be purged one day and sampled on the following day without purging again.

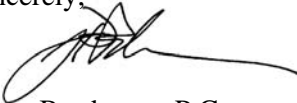
Field Sampling Protocols

The groundwater samples will be collected consistent with the protocols outlined in the Field Sampling Workplan dated June 2, 2010 and will follow the quality control measures for both field work and data analysis as outlined in the accompanying Quality Assurance Project Plan. Samples will be analyzed for dissolved metals (filtered), total metals (unfiltered), VOCs, TDS, SVOCs, PAHs, and TPH at locations described above. The filtering process for the dissolved metals analysis will be conducted in the field during this event, consistent with DTSC comments regarding the October 2011 sampling effort. A silica gel cleanup will be run on the extractable TPH samples for this round of sampling. No samples will be analyzed for pesticides or polychlorinated biphenyls (PCB) because these analytes were not detected in any samples collected during the initial round of sampling. Prior to sampling, the piezometers will be purged and monitored for stabilized parameters consistent with the Field Sampling Workplan.

Depth to groundwater will be measured at all 50 shallow and four deeper piezometers on April 2, 2012, which coincides with a similar field event occurring on the adjacent Campus Bay property. The depth to groundwater will be measured from the top of the PVC casing to 0.01 foot accuracy using a water level meter.

If you have any questions or comments regarding this submittal, please call me at (510) 302-6283.

Sincerely,



Jason Brodersen, P.G.
Project Manager

Attachment: Figure 1, Groundwater Sampling Locations

cc: Anthony Garvin, UC Office of the General Counsel
Greg Haet, UC Berkeley Office of Environment, Health and Safety
Bill Marsh, Edgcomb Law Group
Andrew Romolo, Terra Phase, Inc.
Daren Roth, Arcadis, Inc.
Doug Mosteller, CSV