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OFFICE OF ENVIRONMENT, HEALTH AND SAFETY  
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February 27, 2009

Barbara J. Cook, PE  
Performance Manager  
Brownfields and Environmental Restoration Program – Berkeley Office  
Attention: Lynn Nakashima  
Department of Toxic Substances Control  
700 Heinz Avenue  
Berkeley, CA 94710

RE: Site Investigation and Remediation Order, Docket No IISE-RAO 06107-004  
Field Sampling Workplan

Dear Ms. Cook:

In accordance with Section V. 5.3.1 of the Site Investigation and Remediation Order issued by DTSC (Docket No. USE-RAO 06107-004), please find enclosed the Draft Field Sampling Workplan (FSW) for the University of California, Berkeley, Richmond Field Station, prepared by the University's environmental consultant, Tetra Tech EM Inc. Section 5.3.1 of the Order requires the preparation of an FSW to direct site investigations to address data gaps identified in the Final Current Conditions Report, dated November 21, 2008. The objective of the site investigations are to investigative data gaps to complete a final remediation investigation report and baseline health risk assessment.

The FSW is intended to address the general, facility-wide strategy and protocols for the field investigations. The FSW includes two appendices: a Quality Assurance Project Plan (QAPP) and a Health and Safety Plan (HSP). The FSW will also include site-specific field sampling plan (FSP) addenda to address site-specific approaches in the various investigation areas. The FSW and all appendices and addenda will meet the FSW elements identified in the Order. A synopsis of each element is presented below.

**Field Sampling Workplan.** The FSW outlines the project background, objectives, conceptual site model, roles and responsibilities, site prioritization, and schedule for investigating the RFS. The FSW also includes remedial action objectives and overall data quality objectives.

**Quality Assurance Project Plan, Appendix A.** The QAPP establishes criteria for data quality assurance and control, and serves as a reference for facility-wide activities such as field data collection and sample

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analysis. The QAPP includes quality assurance objectives, sampling procedures, sample handling protocols, laboratory procedures, data validation and reporting, internal quality review, performance monitoring, data evaluation and assessment procedures, quality assurance reporting, and laboratory certification. The QAPP includes project organization and responsibilities with respect to sampling and analysis.

**Health and Safety Plan, Appendix B.** The HSP assesses the type, risk level, and severity of hazards for the project, and identifies safe work practices and appropriate personal protective equipment for site personnel in accordance with California and Federal Occupational Safety and Health Administration (OSHA) standards. The HSP includes a brief site history and background, chemicals of potential concern, a description of standard work practices, hazard assessment, and health and safety requirements.

**Field Sampling Plan Addenda.** FSP addenda identify the site-specific data gaps, and data collection approaches and activities to successfully complete each phase of the site investigations. Each FSP addendum will include site-specific background and history, the purpose for sampling, data quality objectives, sample locations, site-screening levels, and chemicals of potential concern. Each FSP addendum will reference the QAPP for general sampling procedures and data collection protocols applicable to all data collection.

DTSC's approval of the Draft FSW will enable UC Berkeley to prepare the site-specific FSP addenda, which will incorporate by reference the facility-wide protocols established in the FSW, ensuring consistent quality throughout the project.

If you have any questions or need further information, please contact me (gjhaet@berkeley.edu, 510-642-4848) or Karl Hans (khans@berkeley.edu, 510-643-9574).

Sincerely,



Greg Haet  
Associate Director

Attachment: Draft Field Sampling Workplan, University of California, Richmond Field Station, February 27, 2009

cc: Gene Barry, 4LEAF Inc.  
Jason Brodersen, Tetra Tech EM Inc.  
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