

**Environmental
Resources
Management**

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1 March 2006

Ms. Mary Rose Cassa
California Regional Water Quality Control Board
San Francisco Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Subject: Workplan for Off-site Passive Soil Vapor Survey
Hookston Station RI/FS
Pleasant Hill, California

Dear Ms. Cassa:

On behalf of Mr. Daniel Helix and Union Pacific Railroad Company (UPRR), Environmental Resources Management-West, Inc. (ERM) has prepared this *Workplan for Off-site Passive Soil Vapor Survey* for the Hookston Station site in Pleasant Hill, California.

BACKGROUND

During October-November 2001, a passive soil vapor survey was conducted for the Hookston site as a screening tool to identify the approximate limits of site soil and ground water impacted with volatile organic compounds (VOCs). Elevated concentrations of trichloroethene (TCE) were found in soil vapor beneath an on-site structure (located near the southwest corner of the property) and in areas along the eastern property line adjacent to 999 Bancroft Road. Further delineation work to the east was not performed during the RI because the owner of the 999 Bancroft Road property denied access to that property. The results of the October-November 2001 were documented in the *Remedial Investigation Progress Report* (ERM, 19 October 2002) and the *Remedial Investigation Report* (ERM, August 2004).

OBJECTIVES

Elevated soil vapor concentrations, which are indicative of soil and/or ground water impacts, have been identified along the western boundary

of the 999 Bancroft Road site. The objective of the proposed passive soil vapor survey is to evaluate VOC impacts beneath 999 Bancroft Road and areas immediately to the north along Bancroft Road. These data are necessary to complete the ongoing Feasibility Study and may be used to guide future soil or ground water sampling in this area.

Because the owner of 999 Bancroft Road property did not previously allow access to complete our environmental investigation, UPRR and Mr. Helix are respectfully requesting assistance from the Regional Board to obtain access to perform this proposed work.

PROPOSED SAMPLING ACTIVITIES

ERM proposes to install 45 passive soil vapor sampling modules (Gore-Sorbers®) in the area roughly bounded by the Hookston Station site to the west, Bancroft Road to the east and north, and the southern property boundary of 999 Bancroft Road. The proposed sampling locations are shown on Figure 1. A portion of the sampling program will be completed on the Hookston Station property for comparison to previously collected data in this area.

The modules will be installed at total depth of 3 feet below ground surface (bgs), and will remain in the subsurface for approximately 10 days. All passive soil vapor sampling activities will be conducted in accordance with the procedures outlined in ERM's *Standard Operating Procedure#1, Soil Vapor Sampling, Pleasant Hill, California* (Soil Vapor SOP) (December 2000). The Soil Vapor SOP was included as Appendix C in the *Phase I Remedial Investigation Field Sampling Plan, Hookston Station Site, Pleasant Hill California* (ERM, December 2000).

The sampling modules will be submitted to W.L. Gore & Associates of Elkton, Maryland for analysis of select VOCs by modified USEPA Method 8260. A report of the findings will be provided to the Water Board following receipt of the laboratory analyses.

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If you have any questions regarding this status report, please call Brian Bjorklund at (925) 946-0455.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Bjorklund". The signature is fluid and cursive, with a large loop at the end.

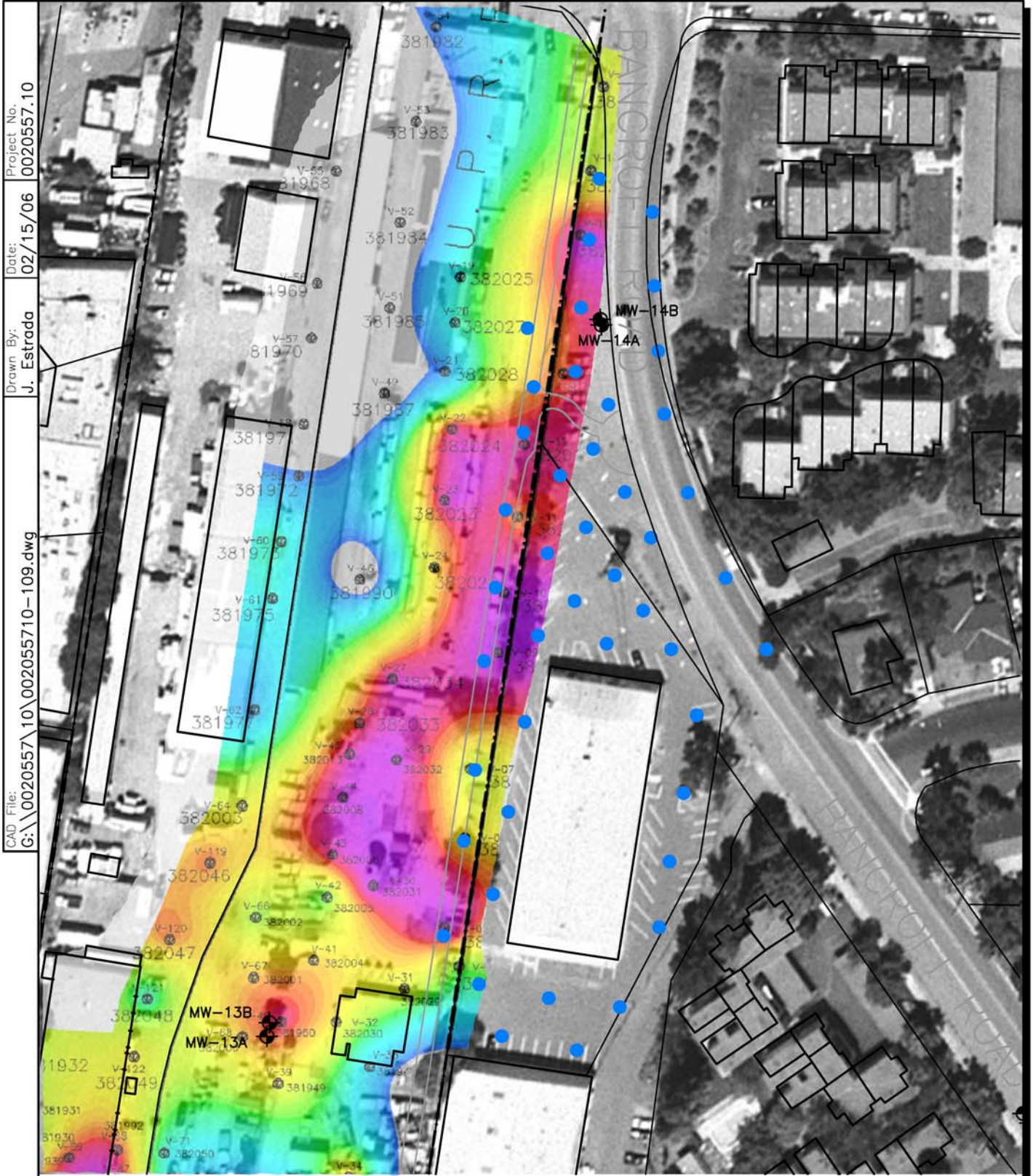
Brian Bjorklund, P.G.
Project Manager

A handwritten signature in black ink, appearing to read "Kimberly Lake". The signature is cursive and elegant.

Kimberly Lake, P.G.
Project Geologist

BSB/bsb/0020557.10

cc: Mr. Daniel Helix
Mr. Michael Grant, UPRR



CAD File: G:\0020557\10\002055710-109.dwg
 Drawn By: J. Estrada
 Date: 02/15/06
 Project No. 0020557.10

Note: Aerial Photos Taken May 2000.

LEGEND

- Proposed Soil Vapor Sampling Location
- Monitoring Well
- 0 100 FEET
- N
- TCE in Soil Vapor
 5 20 38202
 Low TCE Flux High TCE Flux

Figure 1
*Proposed Soil Vapor Sampling Locations
 Hookston Station Project
 Pleasant Hill, California*