



Department of Toxic Substances Control

Matthew Rodriguez
Secretary for
Environmental Protection

Deborah O. Raphael, Director
700 Heinz Avenue
Berkeley, California 94710-2721

Edmund G. Brown Jr.
Governor

December 02, 2011

Mr. William Marsh
Edgcomb Law Group
115 Sansome Street, Suite 700
San Francisco, CA 94104

Dear Mr. Marsh:

The Department of Toxic Substances Control (DTSC) received the Technical Memorandum for the University of California Richmond Field Station Biologically Active Permeable Barrier Groundwater Sampling Results, dated November 18, 2011. The Technical Memorandum was prepared by Terraphase Engineering on behalf of Zeneca Inc. and provides the August 2011 groundwater sample results from select monitoring wells located in the Biologically Active Permeable Barrier (BAPB) on the UC Richmond Field Station property. The samples were collected to confirm the March 2011 sample results.

We have reviewed the data presented and require that the following additional activities be conducted:

1. Verify that the existing monitoring wells are located within the BAPB. If it is determined that any of the wells are not properly positioned, then additional wells should be installed within the BAPB. Those wells should be installed using direct push methods and pre-packed well screens to prevent undue disturbance to the BAPB.
2. Collect grab groundwater samples from locations upgradient, downgradient, and to the west of the BAPB. Collect samples from the upper horizon and lower horizon water-bearing zones at each location to better characterize the distribution the metals found in groundwater. Also, include analysis for volatile organic compounds (VOCs) at each location because of the occurrence of VOCs upgradient of the BAPB.

A work plan that addresses the collection of this additional information should be provided within 30 days of the date of this letter.

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If you have any questions regarding this matter, please contact Lynn Nakashima at (510) 540-3839 or lnakashi@dtsc.ca.gov.

Sincerely,



Lynn Nakashima, Project Manager
Senior Hazardous Substances Scientist
Brownfields and Environmental
Restoration Program
Berkeley Office - Cleanup Operations



Mark Vest, P.G.
Senior Engineering Geologist
Brownfields and Environmental
Restoration Program
Sacramento Office - Geologic Services

cc: Mr. Andrew Romolo
Terraphase Engineering
414 13th Street, Suite 400
Oakland, CA 94612

Ms. Jenifer Beatty
ARCADIS US, Inc.
1410 Rocky Ridge Drive, Suite 330
Roseville, CA 95661

Mr. Karl Hans
University of California, Berkeley
Environmental Health & Safety
317 University Hall, No 1150
Berkeley, California 94720

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