



**Matthew Rodriguez**  
Secretary for  
Environmental Protection



## Department of Toxic Substances Control

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**Edmund G. Brown Jr.**  
Governor

April 22, 2016

Mr. Greg Haet  
EH&S Associate Director, Environmental Protection  
Office of Environment, Health & Safety  
University of California, Berkeley  
University Hall, 3<sup>rd</sup> Floor, #1150  
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Dear Mr. Haet:

The Department of Toxic Substances Control (DTSC) reviewed the revised *Phase IV Sampling Results Technical Memorandum, Richmond Field Station Site, Berkeley Global Campus at Richmond Bay, University of California, Berkeley* (Memorandum), dated March 2016 and associated response to comments. The Memorandum was prepared by Tetra Tech, Inc. on behalf of the University of California, Berkeley and addresses comments provided by DTSC in a letter dated August 7, 2015.

The Memorandum includes the results of four field investigation activities that comprise the following:

- Soil sampling in the Upland Meadow
- Exploratory excavation to investigate a magnetic anomaly in the Bulb Area
- Passive soil gas sampling to investigate a potential source of carbon tetrachloride in the Carbon Tetrachloride Area of the Big Meadow
- Construction and sampling of additional groundwater piezometers near the biologically active permeable barrier in the Transition Area

A supplementary PCB investigation in September 2015 was also conducted in a portion of the EPA Meadow North based on the results of the original investigation. The results of that investigation are also included in the Memorandum.

DTSC program and support staff has reviewed the revised Memorandum and response to comments. Previous responses have been adequately addressed except for the following.

1. HERO Comment 3. The response to comments matrix states that Category I and II criteria definitions were added as notes to Tables 6, 8, 9, and 10; however, these

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tables have not been revised. The tables should be revised to include the criteria definitions and explanations.

2. DTSC Comment 5: The comment recommends that samples from the upland meadows be analyzed for pH during the next sampling event to confirm the assumptions about soil pH. The response states that soil samples will be analyzed for pH in future events if analysis includes aluminum as a chemical of potential concern for ecological risks, but the revised Memorandum does not include this information. The text should be revised to include a recommendation for soil pH analysis in the future.

New Comments:

1. The legend on Figure 3 show "Proposed BAPB Area Piezometer Locations". However, these are existing piezometers installed in 2015. The legend on Figure 3 should be revised.
2. Section 3.3 – Data Quality. We recommend that the statement of the quality and usability of the data also be included at the beginning of this section.

Please submit the revised pages responding to the above comments within 30 days of this letter for DTSC review.

If you have any questions, please contact Lynn Nakashima at [lynn.nakashima@dtsc.ca.gov](mailto:lynn.nakashima@dtsc.ca.gov) or (510) 540-3839.

Sincerely,



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