



## Department of Toxic Substances Control



**Matthew Rodriguez**  
Secretary for  
Environmental Protection

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700 Heinz Avenue  
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**Edmund G. Brown Jr.**  
Governor

March 08, 2013

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  
Berkeley, California 94720

Dear Mr. Haet:

The Department of Toxic Substances Control (DTSC) received the document entitled *Notification of Piezometer Abandonment and Installation, and Scope of Work (SOW)*, dated March 5, 2013. The SOW prepared by Tetra Tech Inc., states that two piezometers (B197 and DH) will be decommissioned due to invasion by tree roots. The piezometers will be overdrilled, removed, and the entire borehole will be grouted. To reduce potential root growth in the replacement piezometers, the borehole diameters of the replacement piezometers will be 10 or 12 inches. Centralizers will be included in the piezometer construction. The screened interval of the piezometers will be 10 feet with a total depth of 20 feet below ground surface using 2-inch diameter schedule 40 polyvinyl chloride (PVC) blank casing and 2-inch diameter schedule 40 PVC screen with 0.01-inch slot size. Well decommissioning and installation will be conducted according to Contra Costa County Health specifications as well as in accordance with the Field Sampling Workplan, Phase I Groundwater Sampling Plan (June 2, 2010).

DTSC has reviewed the proposal and has the following comments. 1) Centralizers should be located at the top and bottom of the screen intervals. 2) Even though these are shallow piezometers, check the specifications for the schedule 40 PVC well materials for sufficient strength to resist collapse due to the greater heat of hydration associated with the larger volumes of cement in the replacement piezometer boreholes. 3) As part of well decommissioning, monitor and tabulate the theoretical and actual grout volumes used.

We understand that you would like to begin the work during the week of March 25<sup>th</sup>. One week prior to the start of work, a work notice will need to be distributed to the community; therefore, please keep us apprised of any changes to the work schedule. In addition, within 45 days of completion of field activities a report documenting the decommissioning and installation of the piezometers needs to be submitted to this office for review.

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

Sincerely,



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