



## Department of Toxic Substances Control



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April 3, 2007

Mr. Thomas L. Macchiarella, Code BPMOW.TLM  
Department of the Navy  
Base Realignment and Closure Program  
Management Office West  
1455 Frazee Road, Suite 900  
San Diego, California 92108-4310

REVIEW SITE INVESTIGATION REPORT, DATA GAP SAMPLING, INSTALLATION  
RESTORATION SITE 26, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Dear Mr. Macchiarella:

The Department of Toxic Substances Control (DTSC) has reviewed the report cited above, prepared by Innovative Technical Solutions, Inc., and dated January 12, 2007 (draft Report). The draft Report presents the results of the groundwater investigation undertaken to define subsurface conditions and confirm the northern boundary of a previously identified groundwater plume. DTSC comments, previously sent to the Navy by electronic mail on February 10, 2007, are presented below.

- 1) In Section 2.3 - Site Geology and Hydrogeology, the draft Report presents estimated average horizontal hydraulic gradient, flow direction, and groundwater flow velocity based on previous work at Installation Restoration Site 26. The draft Report should also present a location-specific analysis of groundwater flow directions, gradients, and velocities based on data from the new monitoring wells and piezometers installed during this investigation. Please revise the draft Report so that the Draft Final Report includes the following:
  - A location-specific water table elevation map.
  - Water level elevation measurements from a single event that corresponds to the water table elevation map.
  - A groundwater flow velocity or range of velocities estimated using data from the aquifer test and location-specific hydraulic gradients.
- 2) Drawdown data from the aquifer test should be plotted on a figure and used to evaluate aquifer anisotropy. An evaluation of aquifer anisotropy and heterogeneity should be included in Section 6.0 of the Draft Final Report.

Mr. Thomas L. Macchiarella  
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If you have any questions, please contact me at (916) 255-6449.

Sincerely,

A handwritten signature in black ink, appearing to read "Dot Lofstrom", with a long horizontal flourish extending to the right.

Dot Lofstrom, P.G.  
Project Manager  
Office of Military Facilities

cc: Dr. Peter Russell  
Russell Resources, Inc.  
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