
Los Angeles Regional Water Quality Control Board

September 11, 2012

Mr. Daniel S. Samorano
Raytheon Company
1151 East Hermans Road
TU, Bldg 845
Tucson, AZ 85706

SUBJECT: APPROVAL OF WORK PLAN MEMORANDUM FOR PERIMETER WELL INSTALLATION

**CASE/SITE: RAYTHEON COMPANY (FORMER HUGHES MISSILE SYSTEMS COMPANY)
8433 FALLBROOK AVENUE, CANOGA PARK, CALIFORNIA (SCP NO. 0693,
SITE ID NO. 2043T00)**

Dear Mr. Samorano:

Los Angeles Regional Water Quality Control Board (Regional Board) staff received the August 16, 2012, Work Plan Memorandum – Perimeter Well Installation (Work Plan), submitted by your consultant Oneida Total Integrated Enterprise (OTIE) for the referenced site. The Work Plan proposed to install a total of six groundwater monitoring wells (MW-39 through MW-44) along the northwest perimeter of the site. The objectives of the Work Plan are to further delineate the lateral extent of 1,1-dichloroethene (1,1-DCE) impacted groundwater, to better define the groundwater flow direction along the northwestern portion of the site, and to evaluate the need to expend the on-going enhanced in-situ bioremediation (EISB) addressing the 1,1-DCE-impacted groundwater in the vicinity of well RW-1.

On August 30, 2012, Regional Board staff held a meeting with you and OTIE and discussed the proposed scope of work of the additional groundwater monitoring well installation in the vicinity of the existing wells RW-1 and RW-4. Based on the information submitted and discussion during the meeting, Regional Board staff approves the scope of work proposed in the Work Plan with the following additions:

1. During the well installation activities, selected soil samples shall be submitted for the laboratory analysis if elevated volatile organic compounds (VOCs) are detected by a field photoionization detector (PID).
2. Please notify the Regional Board at least five working days prior to commencing the fieldwork proposed in the Work Plan and approved in this letter. Regional Board staff may visit the site and observe the field sampling activities.
3. Following the completion of field work and laboratory analysis, a report presenting the results of the additional well installation and sampling shall be included in the subsequent annual groundwater monitoring report (GWM) report, which is due to the Regional Board via GeoTracker on **February 15, 2013**.

- a. The title of this GWM report shall include or indicate the new well installation.
- b. The report shall include copies of well permits, boring and well installation logs, well survey report signed by a California registered land surveyor, and copies of waste manifests.
- c. In addition to a groundwater gradient contour map, the report shall also include concentration contour map/figures showing the most recent extent and configuration of the chemicals of concern (COC) detected at the site.

Thanks you for your continued efforts in working with the Regional Board staff and moving this project forward. Should you have any questions, please contact me at (213) 576-6736 or ewong@waterboards.ca.gov.

Sincerely,



Emily Wong
Water Resource Control Engineer
Site Cleanup Unit I

cc: Mr. Sutida Bergquist, California Department of Public Health
Mr. Chris Nagler, Watermaster, California Department of Water Resources
Mr. Richard Lavin, Los Angeles County, Department of Public Health
Ms. Cathy Chen, Water Replenishment District – Southern California
Ms. Stephanie Lewis, Department of Toxic Substances Control
Mr. Jacques Marcillac, OTIE
Mr. Kenneth Katich, Trammell Crow Company
Mr. William Preston Bowling, Aerospace Cancer Museum and Education
Ms. Christina Walsh, Cleanuprocketdyne.org
Ms. Bonnie Klea
Ms. Chris Rowe
Mr. Daniel Wiseman