CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

December 30, 2013

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

SUBJECT: NO FURTHER ACTIVE CHROMIUM GROUNDWATER REMEDIATION AT FORMER HAZARDOUS WASTE STORAGE AREA

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 has reviewed the August 15, 2013, *Enhanced In-Situ Bioremediation and In-situ Chemical Reduction Progress Report Second Quarter 2013 and 2012 Annual Summary Report (Report),* submitted by your consultant Oneida Total Integrated Enterprise (OTIE) for the referenced site. The Report presents the results of remediation progress groundwater monitoring and sampling conducted at four active remediation areas of the site during the second quarter 2013. One of the four areas is the former hazardous waste storage area (HWSA), where active remediation of chromium (including both total chromium and hexavalent chromium [Cr^{+6}]) impacted groundwater was conducted in June 2010. Based on the results of chromium remediation progress monitoring, the Report includes a request for no further active Cr^{+6} remediation required for the former HWSA.

The following information is presented in the Report:

A. Since the completion of the chemical reduction injection in June 2010, nine post-injection groundwater monitoring and sampling have been conducted in the HWSA.

B. The chemical reduction has been achieved in the former HWSA, where the Cr^{+6} concentrations have been reduced in source area monitoring well MW-32S from 76 milligrams per liter (µg/L) in June 2010 to below its laboratory reporting limit of 1 µg/L since July 2010.

C. The detected total chromium and Cr^{+6} concentrations in all six HWSA remediation progress monitoring wells have been consistently below the California Drinking Water Maximum Contaminant Level (MCL) of 50 µg/L for total chromium and the California Department of Public Health recently proposed Cr^{+6} MCL of 10 µg/L, respectively, since July 2010.

Based on the information submitted in the Report, and with the provision that the information was accurate and representative of the site conditions, the Regional Board requires no further active chromium groundwater remediation for the former HWSA of the site.

In the Report, you also requested that the groundwater Cr^{+6} monitoring requirements for the HWSA be removed from the site MRP (No. CI-8947), enrolled under general Waste Discharge Requirements (WDR) Order No. R4-2007-019. You shall continue to comply with the current requirements for the former HWSA Cr^{+6} remediation progress monitoring until you have received the revised site MRP (No. CI-8947) from the Regional Board, Groundwater Permitting Unit.

Should you have any questions, please contact project manager Ms. Emily Wong at (213) 576-6736 or Emily.wong@waterboards.ca.gov.

Sincerely,

Samuel Unger, PE
Executive Officer

cc: Mr. Sutida Bergquist, California Department of Public Heath
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