



Santa Ana Regional Water Quality Control Board

November 30, 2015

Director
Navy BRAC PMO West
33000 Nixie Way
Bldg 50 Attn: Mr. James B. Sullivan , BRAC Environmental Coordinator
San Diego CA 92147
James.b.sullivan2@navy.mil

**RESPONSE TO DRAFT SITE INSPECTION REPORT (CITY OF TUSTIN) NEIGHBORHOOD
E GROUNDWATER, FORMER MARINE CORPS AIR STATION TUSTIN, TUSTIN, ORANGE
COUNTY GeoTracker ID: T10000000365**

Dear Mr. Sullivan:

We have reviewed the above-referenced report, dated September 2015. The report presents the results of four rounds of groundwater sampling from June 2014 through May 2015.

Groundwater samples were analyzed for volatile organic compounds (VOCs) — trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans 1,2-dichloroethene (trans-1,2-DCE), 1,1-dichloroethene (1,1-DCE), vinyl chloride, benzene, ethylbenzene, toluene, and xylenes, naphthalene, and total petroleum hydrocarbons (TPH) as gasoline, diesel, and motor oil.

Groundwater samples were collected from the three groundwater monitoring wells (MW-1, MW-2 and MW-3) installed in the first water bearing zone. TCE was detected in wells MW-1 and MW-3 during the four sampling events with concentrations ranging from 1.9 to 10 micrograms/liter ($\mu\text{g/L}$). The highest concentration of TCE was detected in well MW-1 during the second sampling event in September 2014. In the first and in the two subsequent sampling events the TCE concentrations were less than 5 $\mu\text{g/L}$.

Cis-1,2-DCE, trans-1,2-DCE and 1,1-DCE were also detected in well MW-3 at concentrations less than 6 $\mu\text{g/L}$, and in well MW-1 cis-1,2-DCE was detected during the September 2014 event at an estimated concentration below the reporting limit of 0.5 $\mu\text{g/L}$. VOCs, naphthalene and TPH were not detected at well MW-2. Naphthalene,

vinyl chloride, benzene, ethylbenzene, toluene, xylenes and TPH at diesel or motor oil were not detected in any of the groundwater samples and only TPH as gasoline was detected at less than or at the reporting limit of 50 µg/L at well MW-3 during the September 2014, December 2014 and May 2015 sampling events.

Base on the information we have received, we concur with the Navy's determination that no further evaluation of TCE and its degradation products in the groundwater is required within the Site Investigation area at Neighborhood E.

Should have any questions regarding this letter, please contact me at (951) 782-4498, or by email at patricia.hannon@waterboards.ca.gov .

Sincerely,



Patricia A. Hannon, PG
Engineering Geologist
Land Disposal and DoD Section

cc: Mr. Marc Smits BRAC PMO West - marc.smits@navy.mil
Ms. Content Arnold, BRAC PMO West, content.arnold@navy.mil
Mr. Matt West, City of Tustin, MWest@tustinca.org
Mr. Rafat Abbasi, DTSC, rafat.abbasi@dtsc.ca.gov
Ms. Mary Aycock, U.S. EPA, Region 9, aycock.mary@epa.gov
Mr. Loren Henning, U. S. EPA, Region IX, Henning.Loren@epa.gov