



DEPARTMENT OF THE NAVY

COMMANDER
NAVY REGION HAWAII
850 TICONDEROGA ST STE 110
JBPHH, HAWAII 96860-5101

SEP 17 2020 *CEK*

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July 24, 2020

CERTIFIED NO: 7015 0640 0002 4678 0356

Mr. Richard Takaba
Hawaii State Department of Health
Environmental Management Division
Solid and Hazardous Waste Branch
Underground Storage Tank Section
2827 Waimano Home Road #100
Pearl City, HI 96782

Dear Mr. Takaba:

**SUBJECT: RED HILL BULK FUEL STORAGE FACILITY
SECOND QUARTER 2020 - QUARTERLY GROUNDWATER MONITORING
REPORT
DOH FACILITY ID NO. 9-102271
DOH RELEASE ID NO. 990051, 010011, 020028, AND 140010**

As part of the Red Hill groundwater long-term monitoring (LTM) program, groundwater sampling was conducted from March 3 through 10, 2020 at newly installed monitoring well RHMW13, and from April 20 through 28, 2020 at 13 conventional monitoring locations and 3 multilevel monitoring locations within the Red Hill groundwater monitoring network. The conventional monitoring locations include the sampling point at Red Hill Shaft (RHMW2254-01), 11 monitoring wells within the Facility boundary (RHMW01 to RHMW10 and OWDFMW01), and the Halawa Deep Monitor Well (HDMW2253-03) located outside the Facility. Two multilevel monitoring locations, RHMW11 and RHMW14, are located outside the Facility. One multilevel monitoring location, RHMW15, is located within the Facility boundary.

Analytical results were compared to the current LTM screening criteria. The LTM screening criteria were agreed upon by the Parties to the Administrative Order on Consent (AOC) and are presented in the February 4, 2016, AOC Statement of Work Sections 6 and 7 scoping completion letter. The LTM screening criteria were updated (when applicable) with the most current (Fall 2017) DOH Tier 1 Groundwater Environmental Action Levels for sites where groundwater is a potential or current drinking water resource and the nearest surface water body is greater than 150 meters from the release site. Analytical results for wells RHMW01, RHMW02, and RHMW03 were also compared to site specific risk based levels (SSRBLs) for total petroleum hydrocarbons as diesel fuel (TPH-d) (4,500 micrograms per liter [$\mu\text{g/L}$]) and benzene (750 $\mu\text{g/L}$).

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A groundwater monitoring report, which summarizes sampling activities and laboratory analytical results, is being submitted as Enclosures 1 and 2.

If there are any questions regarding this matter, or if more information is needed, please contact Mr. Cory Waki at (808) 471-3866, or me at (808) 473-7806.

Sincerely,



DARREL E. FRAME
CDR, CEC, USN
Acting Director
Regional Environmental Department
By direction of the
Commander

- Enclosures:
1. Second Quarter 2020 – Quarterly Groundwater Monitoring Report, Red Hill Bulk Fuel Storage Facility, JBPHH, Oahu, Hawaii, DOH Facility ID No. 9-102271, DOH Release ID Nos. 990051, 010011, 020028, and 140010, dated July 2020 (hard copy)
 2. Second Quarter 2020 – Quarterly Groundwater Monitoring Report, Red Hill Bulk Fuel Storage Facility, JBPHH, Oahu, Hawaii, DOH Facility ID No. 9-102271, DOH Release ID Nos. 990051, 010011, 020028, and 140010, dated July 2020 (CD)

Copy to (hard copy and CD):

Mr. Steve Linder, U.S. EPA Region 9, Underground Storage Tank Program Office
Mr. Ralph Wells, DLA Energy Pacific
Ms. Sophia Lee, NAVFAC Engineering and Expeditionary Warfare Center (EXWC)
Mr. Delwyn Oki, United States Geological Survey (USGS)
Mr. Kevin Lorenzo, DLA Installation Support for Pacific
Mr. John Floyd, NAVSUP FLC Pearl Harbor

Copy to (electronic via email):

Mr. William Potter, DLA Installation Management for Energy
Mr. Elton Saito, DLA Installation Support for Pacific
Ms. Amanda Mano'i, DLA Defense Enterprise Support Pacific