



**DEPARTMENT OF THE NAVY**  
COMMANDER  
NAVY REGION HAWAII  
850 TICONDEROGA ST STE 110  
JBPHH, HAWAII 96860-5101

FEB 12 2020

5090  
N45  
February 12, 2020

**CERTIFIED NO: 7016 0910 0001 0892 0635**

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

Dear Mr. Takaba:

SUBJECT: RED HILL BULK FUEL STORAGE FACILITY  
FOURTH QUARTER 2019 - QUARTERLY GROUNDWATER MONITORING  
REPORT  
DOH FACILITY ID NO. 9-102271  
DOH RELEASE ID NO. 990051, 010011, 020028, AND 140010

Groundwater sampling was conducted from October 21 through November 13, 2019 as part of the Red Hill groundwater long-term monitoring (LTM) program. Groundwater samples were collected from all 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 Monitoring 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.

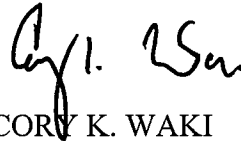
Analytical results were compared to the current LTM screening criteria. The LTM screening criteria were agreed upon by the Parties to the Administrative Order on Consent (AOC) and are presented in the February 4, 2016, AOC Statement of Work Sections 6 and 7 scoping completion letter. The LTM screening 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  $\mu\text{g/L}$ ).

5090  
N45  
February 12, 2020

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 me at (808) 471-3866.

Sincerely,



CORY K. WAKI  
Acting Director  
Regional Environmental Department  
By direction of the  
Commander

- Enclosures: 1. Fourth Quarter 2019 – 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 February 2020 (hard copy)
2. Fourth Quarter 2019 – 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 February 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. Travis Hylton, United States Geological Survey (USGS)  
Mr. Elton Saito, 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