



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

5000-45  
N45  
February 12, 2021

Ms. Joanna Seto, Chief  
Hawaii State Department of Health  
Safe Drinking Water Branch  
2385 Waimano Home Road  
Uluakupu Building 4  
Pearl City, HI 96782

Dear Ms. Seto:

SUBJECT: SEPTEMBER-OCTOBER 2020 DRINKING WATER MONITORING RESULTS FOR RED HILL, JOINT BASE PEARL HARBOR-HICKAM WATER SYSTEM (PWS NO. 360)

The Transition Plan for Tank 5 Red Hill Release requires quarterly drinking water sampling of the Red Hill Shaft. After a 2020 Quarter 1 detection of TPH-d, the Transition Plan was superseded by the June 8, 2020 and June 16, 2020 letters from the State of Hawaii Department of Health (DOH), "Red Hill Shaft Drinking Water Sample Results and Analysis Joint Base Pearl Harbor-Hickam (JBPHH) Public Water System (PWS 360)." These documents direct the Navy to monitor and report on the following sampling frequencies for the duration of the use of Red Hill Shaft for drinking water purposes:

- a) Weekly for one (1) month after restarting the pumps
- b) Monthly for 6–12 additional months
- c) Quarterly frequency thereafter unless otherwise directed by DOH

The four (4) weekly events and the first monthly monitoring event (August 2020) were previously submitted under a separate letter and enclosure (dated January 4, 2021). Results for the subsequent two months (September-October 2020) are enclosed within this submittal which reflects the latest DOH requirements:

- Volatile organic compounds (VOCs) full scan (Method EPA 524.2)
- Semivolatile organic compounds (SVOCs) full scan (Method EPA 525.2)
- JP-8/F-24 as TPH-d (C8–C18, C10–C25) (Method EPA 8015)
- Lead (Method EPA 200.8)
- Dissolved organic carbon (DOC) with volatile fraction purged non-volatile DOC (SM Method 5310C)

EPA Test Method 525.2 (SVOCs) collection was missed inadvertently during the October 2020 sampling event. The Red Hill Drinking Water Sample Results Log (CD Enclosure 3) indicates that the previous months' data were either Not Detected (ND) or trace concentrations lower than the Maximum Contaminant Level (MCL). Method EPA 525.2 collection resumed with the November 2020 sampling event. November results will be submitted pending complete validation of the data.

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The attached enclosure contains electronic files of the following reports:

CD Enclosure Number	File Name	Sample Date
1	K2007617	9/2/2020
2	AECOM Red Hill 93725	10/13/20
3	Red Hill Drinking Water Sample Results Log	Multiple Dates

The September 2020 sampling event (CD Enclosure 1, K2007617) yielded non-detect results for all DOC and SVOC values. There were no exceedances of DOH Environmental Action Levels (EALs) for TPH-d or MCLs for VOCs and lead. Presence of TPH-d (C8-C18) was detected at 75 ug/L in the post-chlorination water sample and does not resemble a petroleum product. TPH-d (C10-C25) was detected at 13 ug/L pre-chlorination and 17 ug/L post-chlorination, below the EAL of 400 ug/L.

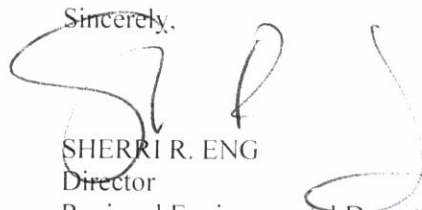
The October 2020 sampling event (CD Enclosure 2, AECOM Red Hill 93725) yielded non-detect results for all VOCs and TPH-d. Lead values were non-detect pre-chlorination and 0.40 µg/L post-chlorination (below the MCL of 15 µg/L).

Please note there was a laboratory change between September and October from ALS Lab to APPL Labs, which may account for minor fluctuations in results.

Subsequent reports for remainder of calendar year 2020 will be submitted under a separate cover.

Should you have any questions regarding this matter, please contact Ms. Sara Coffey at (808) 471-4676.

Sincerely,



SHERRIL R. ENG  
Director  
Regional Environmental Department  
By direction of the  
Commander

Enclosure: 1. Compact disc containing 3 files

Copy to:  
Department of Health, Solid and Hazardous Waste Branch, Underground Storage Tank Section  
(Hard copy w/ CD enclosure)

Electronic copy to:  
Mr. John Floyd, NAVSUP Fleet Logistics Center Pearl Harbor Deputy Director, Fuel and Facility Management

Mr. Ralph Wells, DLA Energy Pacific