



JUN 17 2021 *AD*

DEPARTMENT OF THE NAVY

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

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N45
June 9, 2021

Mr. Michael Miyahira, P.E., Acting Chief
Hawaii State Department of Health
Environmental Management Division
Safe Drinking Water Branch
2385 Waimano Home Road, Suite 110
Uluakupu Building 4
Pearl City, HI 96782-1400

Dear Mr. Miyahira:

**SUBJECT: FEBRUARY 2021 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 After a 2020 Quarter 1 detection of TPH-d, the Transition Plan was superseded by the June 8, 2020 and June 16, 2020 letters from the State of Hawaii Department of Health (DOH), "Red Hill Shaft Drinking Water Sample Results and Analysis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 six monthly monitoring events (August 2020-January 2021) were submitted under three (3) letters and enclosures dated January 4, 2021, February 12, 2021, and March 29, 2021. Results for the subsequent monitoring event (February 2021) 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 (Standard Method (SM) 5310C, SM 5310B, or EPA Method 9060A)

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The attached enclosure contains electronic files of the following reports:

CD Enclosure Number	File Name	Sample Date
1	AECOM CV18F0126 95192_noSVOC_OCR	2/23/21
2	1B26076 FINAL COA-F 03 24 21 1231_SVOC	2/23/21
3	WECK 95192	2/23/21
4	50747	2/23/21
5	Red Hill Drinking Water Sample Results Log	Multiple Dates

The February 2021 sampling event (CD Enclosures 1 through 4) yielded non-detect results for all VOCs and pre-chlorination SVOCs; post-chlorination detections occurred with the diethyl phthalate, fluorene and naphthalene samples. Lead values were 0.093 $\mu\text{g/L}$ pre-chlorination and 2.1 $\mu\text{g/L}$ post-chlorination (below the MCL of 15 $\mu\text{g/L}$). TPH-d (C8-C18) sampling showed a detection of 340 $\mu\text{g/L}$ pre-chlorination and 190 $\mu\text{g/L}$ post-chlorination (below the Environmental Action Level (EAL) of 400 $\mu\text{g/L}$ for the range of TPH-d (C8 - C18).

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 5 files

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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