



DEPARTMENT OF THE NAVY

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

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Ser N45/082
November 15, 2021

Ms. Joanna Seto, 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 Ms. Seto:

SUBJECT: MAY 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 After a 2020 Quarter 1 detection of TPH-d, the Transition Plan was superseded by the June 8, 2020 and June 16, 2020 letters from the State of Hawaii Department of Health (DOH), "Red Hill Shaft Drinking Water Sample Results and Analysis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:

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

Samples were collected at the following two (2) sample points:

1. PWS Sample ID 360-001, Red Hill Shaft Pump head (SDWB regulatory sample point; pre-chlorination sample)
2. PWS Sample ID 360-011, Tap Outside Chlorine Building (SDWB regulatory sample point; post-chlorination sample)

The four (4) weekly events and the first nine (9) monthly monitoring events (August 2020 - April 2021) were submitted under six (6) letters and enclosures dated January 4, 2021, February 12, 2021, March 29, 2021, June 9, 2021, June 23, 2021, and November 2, 2021. Results for the subsequent monitoring event (May 2021) are enclosed within this submittal which reflects the latest DOH requirements:

- Volatile organic compounds (VOCs) full scan (Method EPA 524.2)
- Semi-volatile organic compounds (SVOCs) full scan (Method EPA 525.2)
- JP-8/F-24 as TPH-d (C8-C18, ClO-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 CD enclosure contains electronic files of the following reports:

#	Analyte Analyses	Document	File Name	Sample Date
1	TPH-d	Energy Laboratories Analytical Summary Report	B21051886	5/19//21
2	Lead, VOC, and DOC	APPL, Inc. Data Validatable Report	AECOM Red Hill 96222	5/19/21
3	SVOC	Weck Laboratories, Inc. Level 4 Deliverables	Weck Final L4 Report 96222	5/19/21
4	SVOC	Weck Laboratories, Inc. Certificate of Analysis Final Report	1E21031 FINAL COA-F 05 16 21 1428	5/19/21
5	Data Validation: TPH-d, Lead, VOC, and DOC	LDC, Inc. Data Validation Report	50747C_D_RV1	5/19/21
6	Data Validation: SVOC	LDC, Inc. Data Validation Report	50747_CDE_SVOC	5/19/21
7	Multiple Analytes	Combined Analytical Results	RED HILL SHAFT DRINKING WATER SAMPLE RESULTS LOG	Multiple Dates

The May 2021 sampling event (CD Enclosure: Files 1 through 6) yielded non-detect results for all SVOCs, VOCs, and TPH-d analyses. DOC & NVDOC values were 610 µg/L pre-chlorination and 280 µg/L post-chlorination. Lead values were non-detect pre-chlorination and 0.59 µg/L post-chlorination (below the MCL of 15 µg/L).

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

Sincerely,



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

Enclosure: Compact disc containing 7 files

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

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