

MAY 11 2020 *cel*



DEPARTMENT OF THE NAVY

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

5000-45A
N45
May 5, 2020

CERTIFIED NO: 7019 2970 0001 7433 3486

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 TANK COMPLEX
SOIL VAPOR SAMPLING RESULTS FOR APRIL
DOH FACILITY ID NO. 9-102271
DOH RELEASE ID NO. 990051, 010011, 020028, AND 140010

Soil vapor samples were collected from beneath all active and accessible Red Hill tanks on April 23, 2020. The soil vapor sampling results were submitted on May 4, 2020.

The revised NAVSUP FLC Pearl Harbor Causative Research Report is submitted as Enclosure 1 and replaces the Causative Research Report that was submitted on May 4, 2020. The sampling date in paragraph 2.f was changed from April 2020 to March 2020.

If there are any questions regarding this matter, or if more information is needed, please contact Mr. Joel Narusawa at (808) 471-4881.

Sincerely,

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JEFFREY S. LeFEBVRE
Acting Director
Regional Environmental Department
By direction of the
Commander

Enclosure: 1. Revised NAVSUP FLC Pearl Harbor Causative Research Report IRT Red Hill Soil Vapor Monitoring Report for April 2020

Copy to: Mr. Steve Linder, U.S. EPA Region 9, Underground Storage Tank Program Office
Mr. John Floyd, NAVSUP FLC Pearl Harbor
Mr. Ralph Wells, DLA Energy Pacific

30 April 2020

From: Environmental Protection Specialist, NAVSUP FLC Pearl Harbor, HI
To: Environmental Department, NAVFAC Pearl Harbor, HI

Subj: NAVSUP FLC PEARL HARBOR CAUSATIVE RESEARCH REPORT IRT RED HILL
SOIL VAPOR MONITORING REPORT FOR April 2020

Ref: (a) Red Hill Bulk Fuel Storage Facility Groundwater Protection Plan
(b) Red Hill Soil Vapor Monitoring Report for Round 145, dated 29 April 2020

1. Ref (a) requires NAVSUP FLCPH investigate possible fuel leaks. Refs (b) reported the following soil vapor monitoring results at the Red Hill Fuel Storage Facility:

- Slight increase trend in VOC concentrations at tanks 8 through 17, and 20.
- Strong increasing trend in VOC concentrations at Tank 5.

2. FLCPH causative research and findings:

- a. The following Red Hill Fuel Storage Facility Underground Storage Tanks (USTs) are Out of Service for Clean, Inspect and Repair (CIR); Tanks 13, 14 17. RH 18 is pending turnover to contractor to initiate Tank CIR Process. RH 05 has completed incremental fills and passed the final Tank Tightness Testing (TTT) Return to Service (RTS).
- b. Reviewed all AFHE Unscheduled Fuel Movement (UFM) Alarm Summaries and UFM Reports. There were no Red Hill UFM's recorded between sampling events 144 and 145 during the period of 23 March 2020 – 23 April 2020:
- c. Red Hill maintenance and repair contractors did not report any factors that could have influenced increase in trends.
- d. Reviewed Red Hill Inventory Trend Analysis Reports for April 2020; reports did not reveal evidence of a loss of fuel in any Red Hill tank.
- e. Inspection of the area surrounding all Red Hill tanks did not show evidence of a fuel leak or evidence that any fuel had spilled in the area.
- f. FLCPH cannot determine the reason for the strong increasing trend in VOC concentrations at SV05 M of RH 05, but the readings of 1027 ppbv is significantly less than the 11225 ppbv that was recorded for the March 2020 samplings.
- g. All active tanks have passed tank tightness testing within the required periodicity.

Subj: NAVSUP FLC PEARL HARBOR CAUSATIVE RESEARCH REPORT IRT RED HILL
SOIL VAPOR MONITORING REPORT FOR APRIL 2020

3. There is no evidence of a leaking tank in the Red Hill Complex or evidence of a spill that may have contributed to elevated soil vapor VOC levels in the area of elevated VOC concentrations.

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QUE.1167010233 Date: 2020.05.04 03:59:32 -10'00'
Richard Santos