

# Red Hill Bulk Fuel Storage Facility Update



09 APRIL 2025

CLASSIFICATION

UNCLASSIFIED



Apple



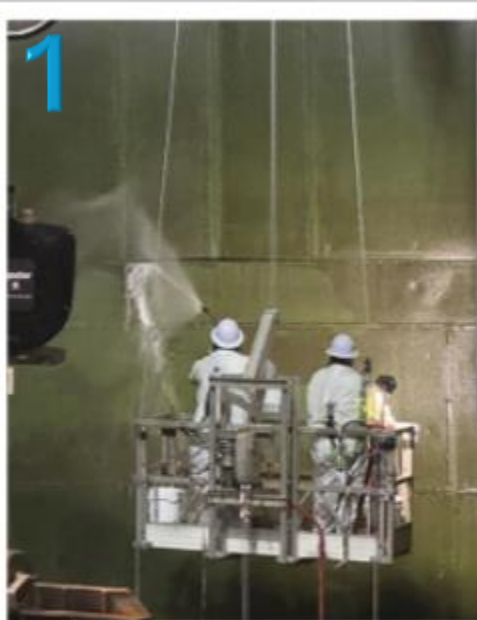
Android

UNCLASSIFIED



# Operations Update

SAFE. DELIBERATE. ENGAGED. COMMITTED.





# Tank Cleaning

SAFE. DELIBERATE. ENGAGED. COMMITTED.

## Step 1 – Preparation (Approx. 2-3 months):

- Isolate tank and disconnect piping
- Install tank ventilation equipment and inject water to soften sludge
- Remove flowable sludge
- Begin tank ventilation with forced air

## Step 2 – Remove Solid Sludge (Approx. 2-3 months):

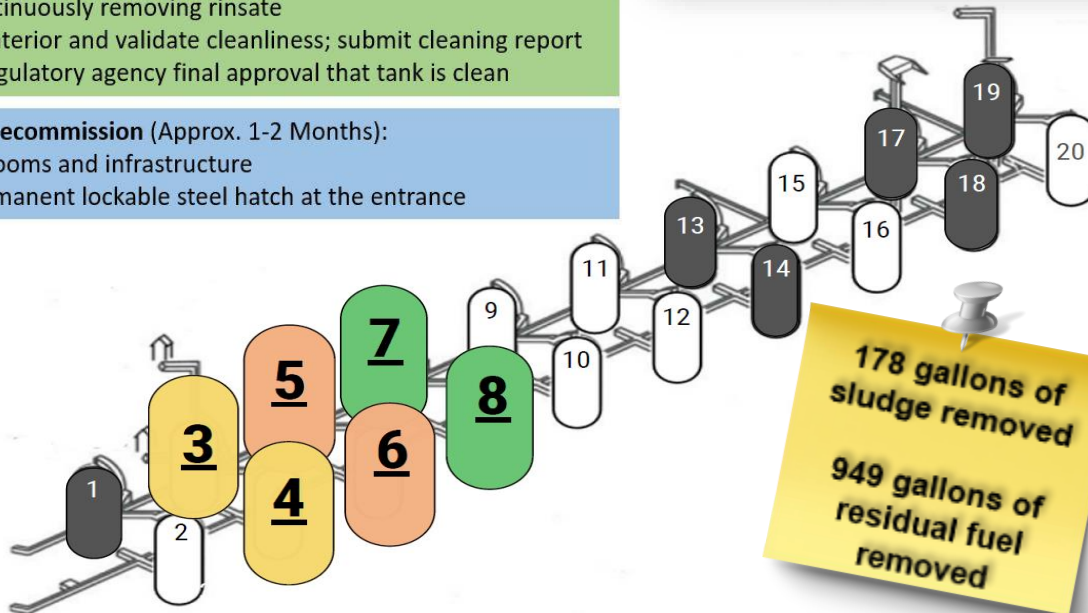
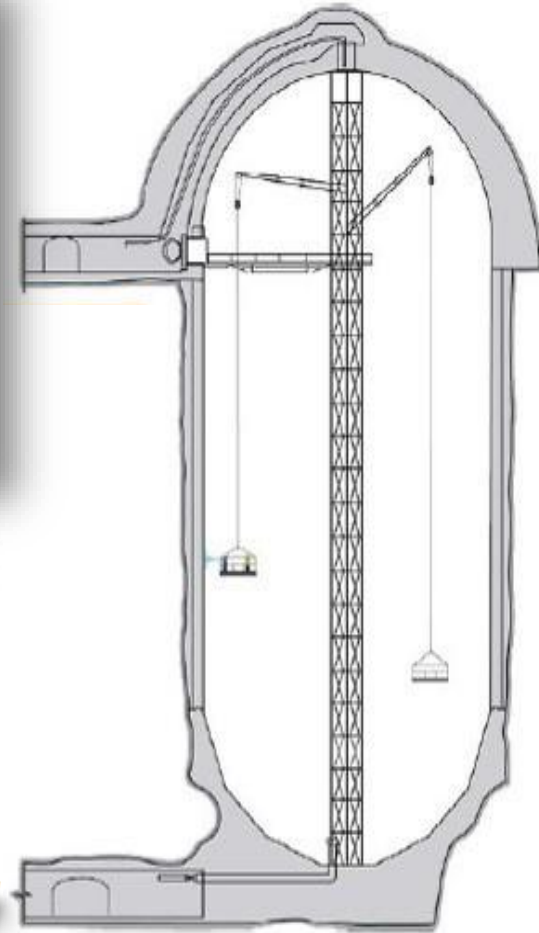
- Inspect and repair central tower and catwalk
- Install center tower elevator; load test tower and catwalk
- Remove solid sludge

## Step 3 – Pressure Washing (Approx. 1-2 months):

- Set up pressure washing system and
- Pressure wash with 3% Simple Green
- Rinse, continuously removing rinsate
- Dry tank interior and validate cleanliness; submit cleaning report
- Receive regulatory agency final approval that tank is clean

## Step 4 – Tank Decommission (Approx. 1-2 Months):

- Remove booms and infrastructure
- Install permanent lockable steel hatch at the entrance

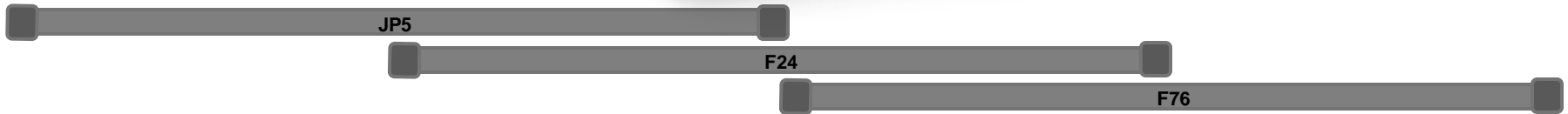




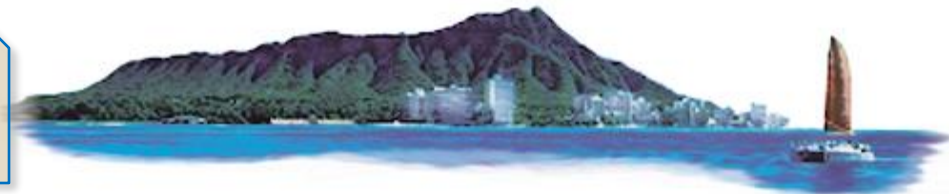
# Pipeline Removal

SAFE. DELIBERATE. ENGAGED. COMMITTED.

- Three pipelines will be removed during decommissioning.
- The Navy will drain all residual fuel from the pipelines with robust containment measures prior to any removal.
- Pipelines will be safely cut, removed, and transported in accordance with all applicable laws and regulations.
- The Navy's contractor will ensure proper disposal or recycling of the removed pipelines.



If extended end-to-end, the total length of pipelines would match the distance from Pearl Harbor to Diamond Head.





# Ongoing Environmental Efforts

SAFE. DELIBERATE. ENGAGED. COMMITTED.

## 2024 Highlights

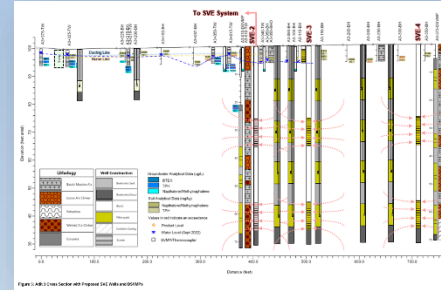
## A Look Forward



**Began site assessment** of Red Hill facility with research and preliminary sampling.



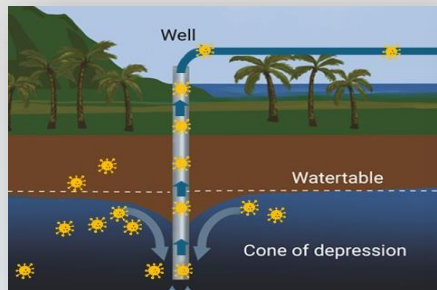
**Monitored air quality** during fuel tank cleaning ventilation.



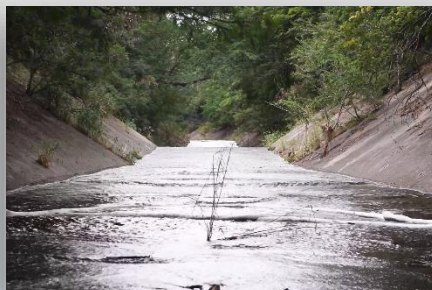
**Continue remediation pilot study** with deep soil vapor extraction.



**Begin field investigation** for site assessment.



**Maintained capture zone** at Red Hill Shaft via pumping.



**Reduced daily discharge** of filtered water from Red Hill Shaft into Hālawā Stream.



**Continue environmental monitoring** and capture zone at Red Hill.



Ongoing Hālawā Stream **ecological monitoring**.

The Navy is working closely with regulators to effectively advance remediation efforts for the Red Hill environment.



# RETURNING TO COMPLIANCE MONITORING



## Nov. 2021 release impacts JBPHH system

Nov. 2021 - Dec. 2021

- Hawaii Department of Health (DOH) health advisory.

## Interagency Drinking Water System Team

Dec. 2021 - Mar. 2022

- Team of experts from DOH, Environmental Protection Agency (EPA), Navy and Army formed to develop requirements.

## JBPHH Drinking Water System Flushing

Dec. 2021 - Mar. 2022

- Complete flush of the JBPHH distribution system including all facilities and residences.
- DOH lifted health advisory, Mar. 2022: certified system as safe.

## Drinking Water Long Term Monitoring

Mar. 2022 - Mar. 2024

- 24-month monitoring of the JBPHH drinking water.
- 9,200+ samples.
- 50+ analytes - metals, hydrocarbons, Synthetic Organic Compounds, and Volatile Organic Compounds.
- Repeated sampling of source and schools.
- 19 zones.

## Extended Drinking Water Monitoring

Apr. 2024 - Mar. 2025

- Navy voluntarily implemented: approved by EPA.
- 6,200+ samples.
- 50+ analytes.
- Expanded fuel indicator compounds.
- New zone in Manana.
- Higher frequencies of priority areas.

Submit  
Closeout  
Report to  
Regulators

## Compliance Monitoring

- Recurring monitoring in accordance with the Safe Drinking Water Act for drinking water systems.
- Full drinking water analytes sampled for, plus required operational testing (bacteria/chlorine/etc).
- Reported to all consumers by the JBPHH consumer confidence report which is completed each summer.

+

- Lead and Copper Rule (LCR)
- Lead in Priority Area Rule (LIPA)



# Additional Information

SAFE. DELIBERATE. ENGAGED. COMMITTED.



## Navy Closure Task Force–Red Hill

[navyclosurereadhill.navy.mil](http://navyclosurereadhill.navy.mil)

- Document library for defueling & closure of Red Hill Bulk Fuel Storage Facility
- Photos & media gallery related to water response efforts & drinking water testing
- Upcoming public engagements



Apple



Android

## Download the free NCTF-RH app

- Interactive progress dashboard
- Latest news
- Photos & videos
- Weekly podcast episodes
- Presentations & fact sheets



## “Let’s Talk Red Hill” Vodcast

[youtube.com/@NCTF-RH](https://youtube.com/@NCTF-RH)

- Weekly updates and information regarding the closure of the Red Hill Bulk Fuel Storage Facility

