

Joint Task Force-Red Hill CWRM UPDATE



21 November 2023



Red Hill Defueling Plan Updates Since Last Presentation to the CWRM on 26 July 2023

RED HILL DEFUELING

The DoD will be regularly releasing information as the timeline progresses via the following:

- Press Releases
- Website Updates
- Virtual/Online Updates
- Neighborhood Boards

PHASE 1 ASSESSMENT ✓

Independent 3rd Party reviewed and provided recommendations for repairs and procedural improvements.

PHASE 2 PLANNING ✓

Develop plan to defuel based on contractor recommendations.

- Prioritize repairs required and implementation plan.
- Coordinate with Department of Health (DOH)/Environmental Protection Agency (EPA) on planning, repair and execution.

PHASE 3 INITIAL PREPARATION FOR DEFUELING ✓

Continue training for implementation of actions to make facility safe to defuel.

- Training to ensure safe execution for operators and responders defueling process.

Complete repairs & upgrades required for safe execution.

- Independent 3rd party inspection.
- To ensure repairs conducted correctly.
- Inspection plan and execution approved by DOH.

PHASE 4 FINAL PREPARATION FOR DEFUELING ✓

DOH/EPA concurrence on repair completion, operational procedures and spill prevention preparedness.

Final coordination with DOD/DOH/EPA.

DOH/EPA approval to defuel.

PHASE 5 DEFUELING THE RED HILL BULK FUEL STORAGE FACILITY

Phase 5.A - Gravity based defueling of ~104 million gallons of fuel.

Phase 5.B - Residual fuel removal of ~60,000 gallons.

SCAN TO DOWNLOAD THE JOINT TASK FORCE-RED HILL APP

APPLE ANDROID

Defueling Dashboard

Next 90 Days

August 2023

September 2023

October 2023

Key Events

August 24: House Special Committee Brief	August 28-TBD: Repacking Pipelines	September 1-30: Final Preparations for Defueling (Regulatory Approvals, Safety Reviews, Rehearsals, etc.)
August 31: NEPA Completed		September 19: HNL Dept of Emergency Management Meeting

DOH | EPA Conditional Approval

253/253

Start ➤ Complete

Joint Task Force-Red Hill completed all 253 mandatory repairs, while also receiving all required conditional approvals from third-party quality validators, the Hawaii Department of Health, and the U.S. Environmental Protection Agency.

Operational Viewpoints

To learn more about Joint Task Force-Red Hill operational viewpoints click on the info graphic.

Repacking the Pipelines

Pipeline repacking removes air and enables the fuel to flow uniformly during defueling. It is a preparatory stage of defueling and provides an opportunity to verify system functionality.

For more about Repacking, click on the video thumbnail here:

Dashboard Legend¹

DISF: Defueling Information Sharing Form
NEPA: National Environmental Policy Act

Joint Task Force - Red Hill Defueling Dashboard As of August 23, 2023

Download on the App Store | Get it on Google Play

JTF-RH is currently ON PLAN to begin gravity defueling on October 16, 2023

JTF-RH Integrated Master Schedule (IMS) EXSUM

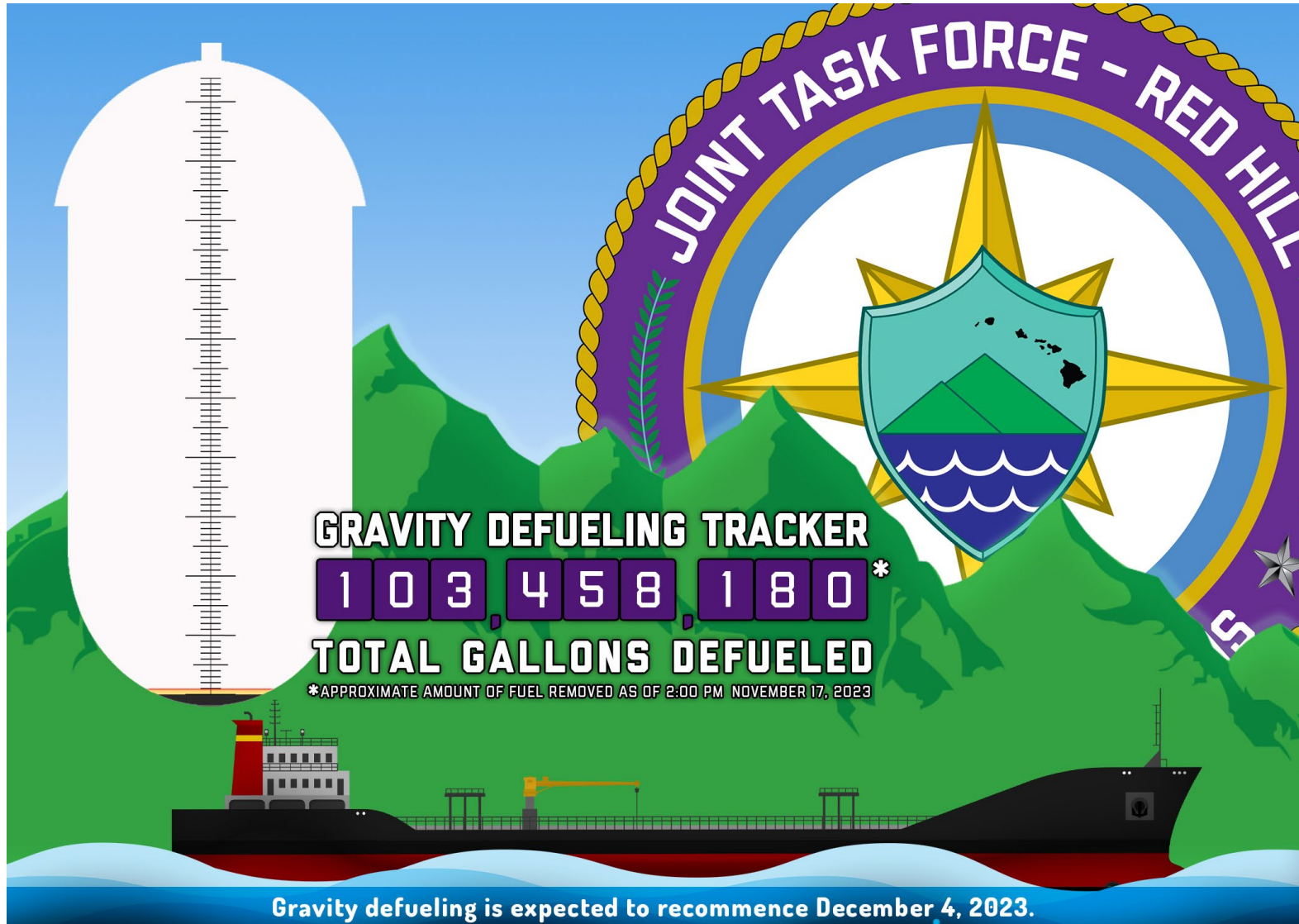
JTF-RH is ON PLAN to commence gravity defueling in Oct 2023

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Plans	DDO Defueling Approval	Defueling Plan Tasks / October Start	DDO Defueling Approval	DDO Defueling Approval	DDO Defueling Approval	DDO Defueling Approval	DDO Defueling Approval	DDO Defueling Approval	DDO Defueling Approval	DDO Defueling Approval	DDO Defueling Approval
Repairs / Maint.	Defueling 2 Draft	3rd Party Quality Validation Complete	3rd Party Quality Validation Complete	3rd Party Quality Validation Complete	3rd Party Quality Validation Complete	3rd Party Quality Validation Complete	3rd Party Quality Validation Complete	3rd Party Quality Validation Complete	3rd Party Quality Validation Complete	3rd Party Quality Validation Complete	3rd Party Quality Validation Complete
Response	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill
Training	Defueling Training Certification	Defueling Training Certification	Defueling Training Certification	Defueling Training Certification	Defueling Training Certification	Defueling Training Certification	Defueling Training Certification	Defueling Training Certification	Defueling Training Certification	Defueling Training Certification	Defueling Training Certification
OPS	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill	Defueling Procedure Review / Response Drill
NEPA	EA Kickoff	Def Fuel EA	30-day Public Comment period	NEPA Approval	NEPA Approval	NEPA Approval	NEPA Approval	NEPA Approval	NEPA Approval	NEPA Approval	NEPA Approval
DOH/EPA	Defueling Approval	Defueling Approval	Defueling Approval	Defueling Approval	Defueling Approval	Defueling Approval	Defueling Approval	Defueling Approval	Defueling Approval	Defueling Approval	Defueling Approval

1. Initial Prep for Defueling 2. Final Prep for Defueling 3. Final Prep for Defueling 4. Final Prep for Defueling 5. Final Prep for Defueling



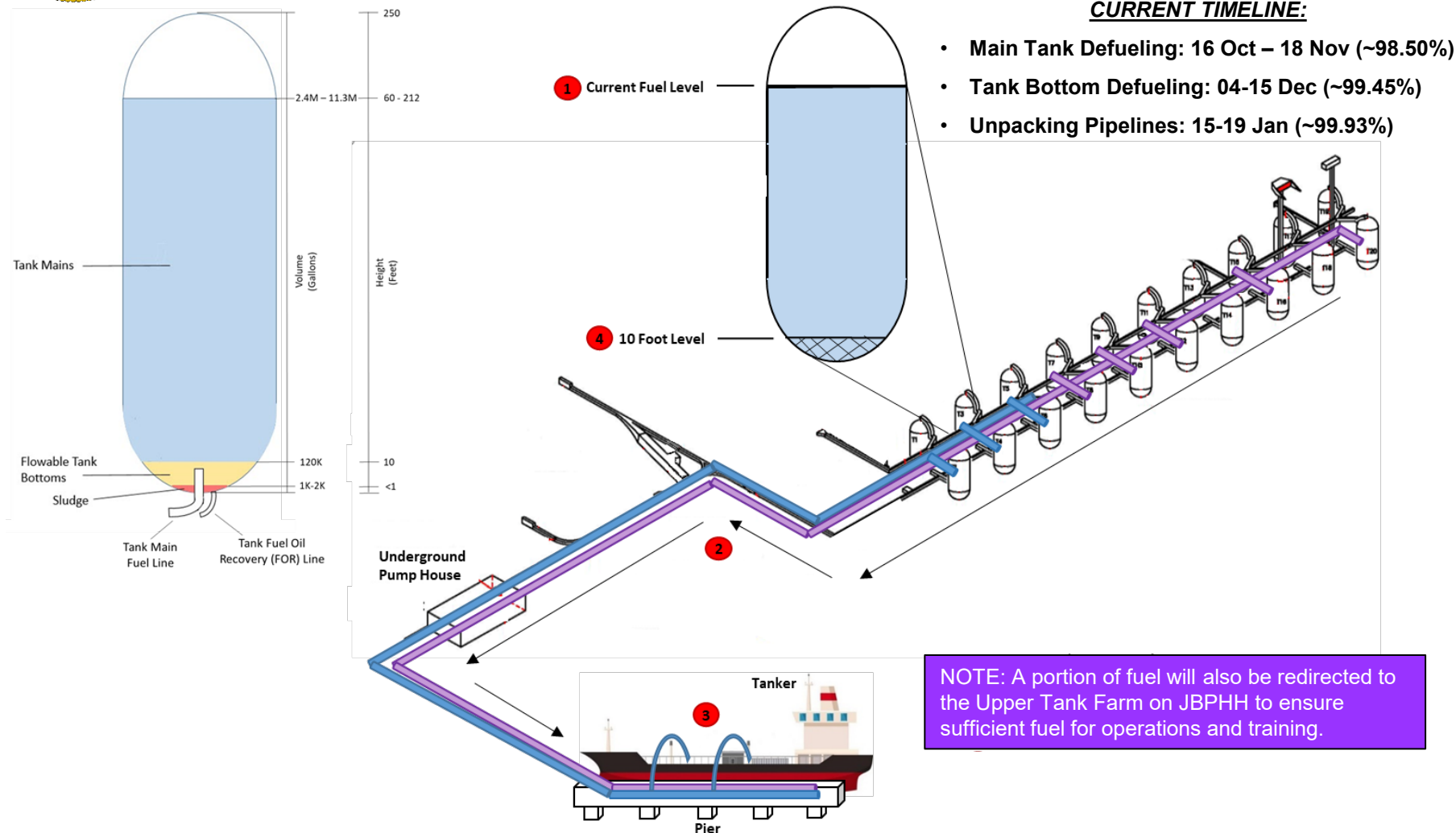
Gravity Defueling Update





Defueling Phase 5A... Tanks & Pipelines

16 Oct – 19 Jan

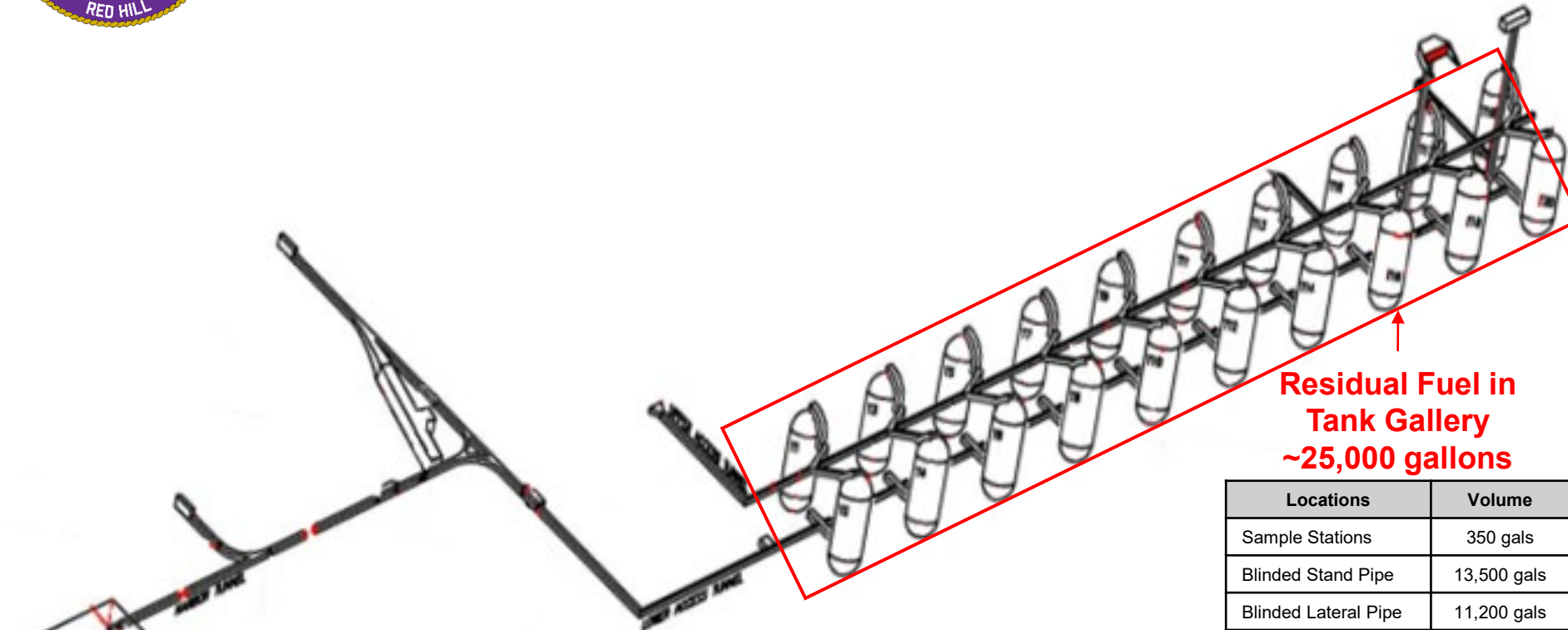


NO INJURIES, SPILLS OR FIRES..... SLIGHTLY AHEAD OF PLAN



Defueling Phase 5B... Residual Fuel

22 Jan – 31 Mar



**Residual Fuel in Tank Gallery
~25,000 gallons**

Locations	Volume
Sample Stations	350 gals
Blinded Stand Pipe	13,500 gals
Blinded Lateral Pipe	11,200 gals
Low Point at Tank	14 gals

**Residual Fuel in Surge Lines
~35,000 gallons**

Locations	Volume
Surge Lines	35,000 gals

JTF-Red Hill will remove ~60K gallons of residual fuel



Closure... Navy Responsibility

**Residual Fuel in Harbor Tunnel
~1,000 gallons**

Locations	Volume
F24 Transitions	400 gals
JP5 Transitions	400 gals
F76 Transitions	200 gals

**Residual Fuel in Tank Gallery
~3,000 gallons**

Locations	Volume
Large Valves	300 gals
Lateral Blind	200 gals
Lateral Residual	300 gals
F24 Transitions	1100 gals
JP5 Transitions	1000 gals
F76 Transitions	100 gals

**Tank Sludge
~28,000 gallons**

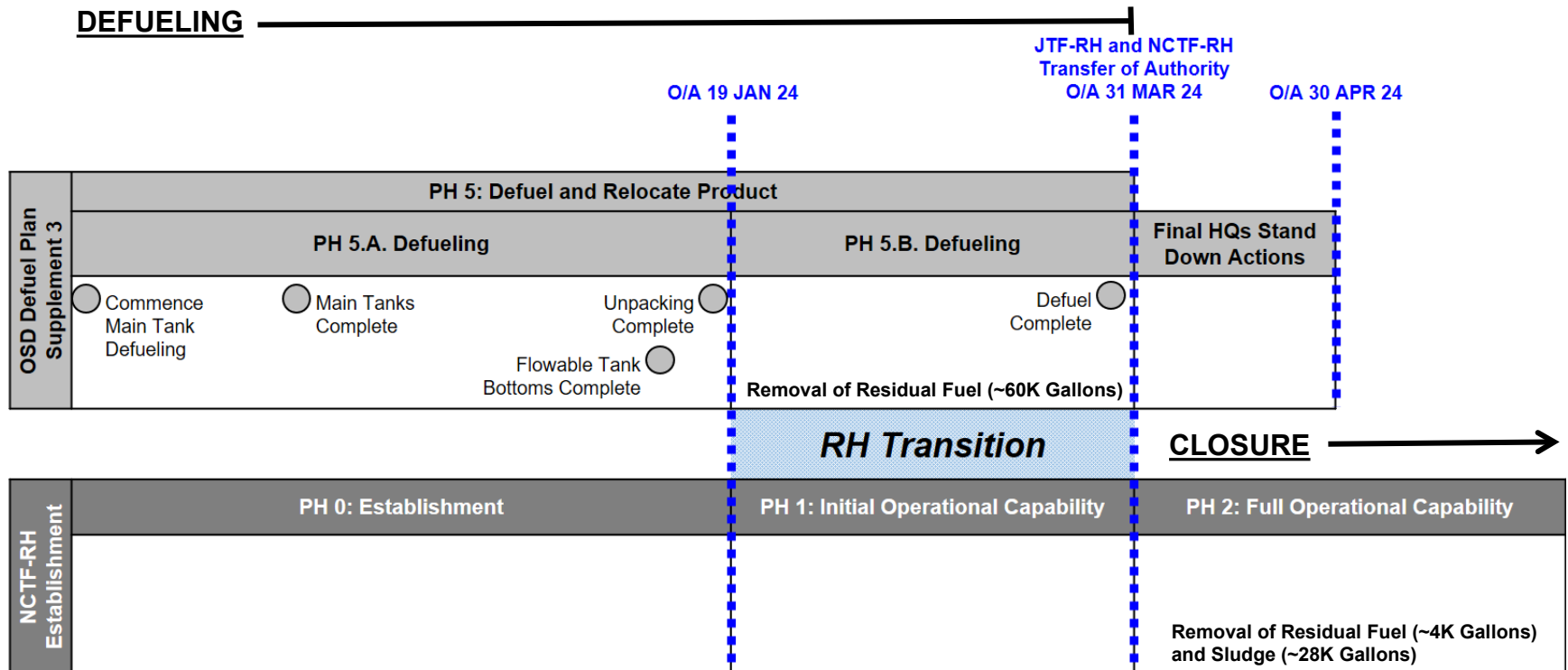
Locations	Volume
14 Tanks	28,000 gals

During Closure NCTF-RH will be responsible for the removal of ~4K gallons of residual fuel and ~28K gallons of sludge



Defuel Supplement 3 / Red Hill Transition

Defuel Supplement 3 updates the Department of Defense's Defueling plan; defines distinction between DEFUELING tasks and CLOSURE tasks



- Characterizes removal of Residual Fuel
- Codifies transition from JTF-RH to Navy Closure Task Force-Red Hill (NCTF-RH)
- During transition NCTF-RH learns JTF-RH's processes for safety, security, and engagement

CWRM

Red Hill Closure



21 NOV 2023



Navy Closure Task Force – Red Hill (NCTF-RH)

Establishment

Secretary of Defense approval 6 November 2023

Mission:

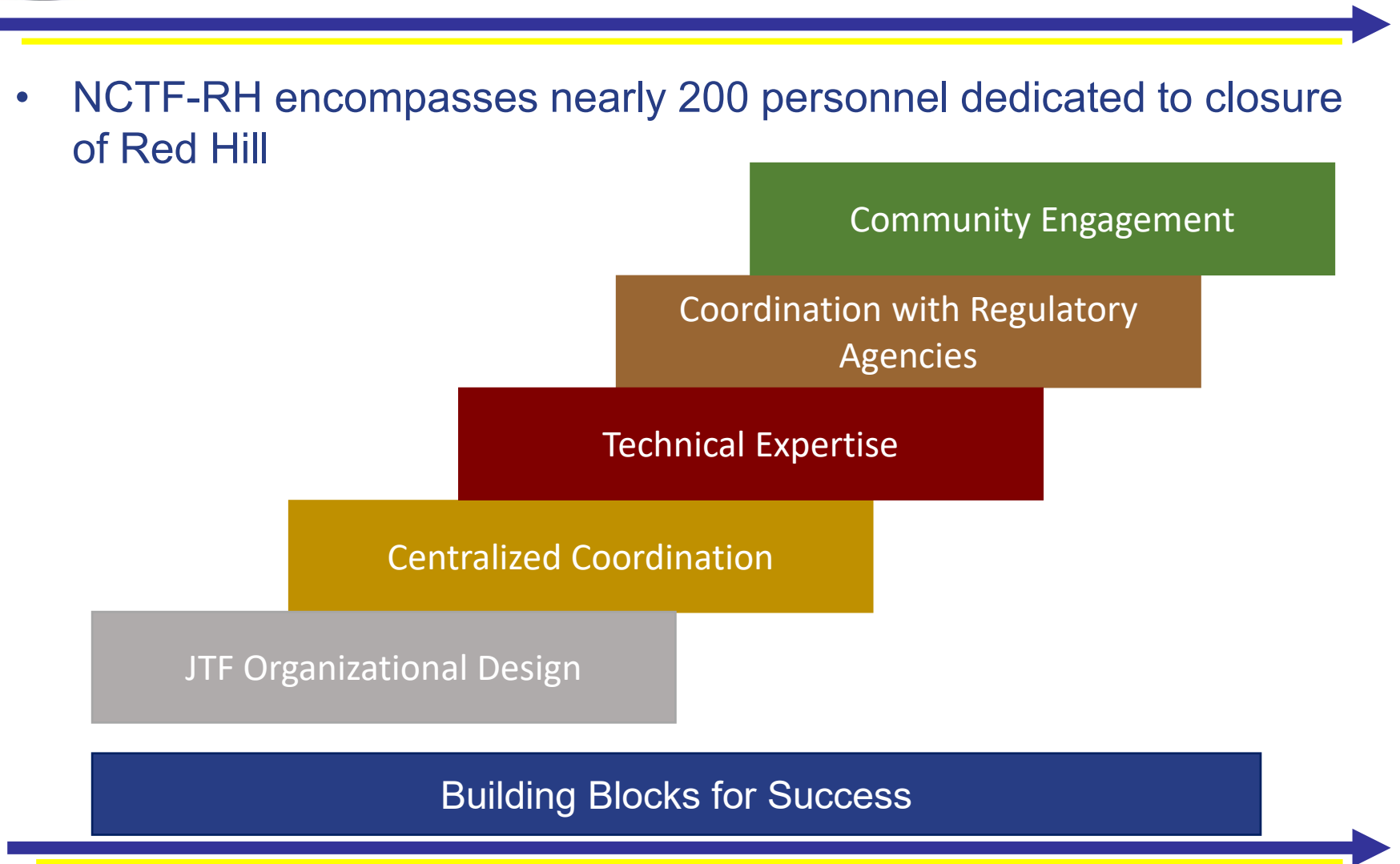
The mission of the Navy Closure Task Force - Red Hill (NCTF-RH) will be to safely and expeditiously execute the permanent closure of Red Hill Bulk Fuel Storage Facility (RHBFSF), continue long-term environmental remediation and aquifer restoration efforts in coordination with State and Federal stakeholders in order to protect public health and the environment.

Seamless Transition from JTF-RH to NCTF-RH



NCTF-RH Standup

- NCTF-RH encompasses nearly 200 personnel dedicated to closure of Red Hill





Sequenced, Layered Approach

Closure

- Complex and multi-layered
- In coordination with State and Federal stakeholders
- Safety and Environmentally - focused

Enduring Efforts

- Public engagement/community outreach
- Environmental remediation /monitoring
- Long term water quality





Facility Closure Efforts

Lines of Effort: Planning Underway

- Sludge and residual fuel are removed and tanks are cleaned
- Pipeline removal
- Removal of hazardous material/substances
- Facility infrastructure repaired/maintained
- Site Assessment
- Remediation

Beneficial Non-Fuel Re-use Considerations: In progress

- Final reports to Congress in February 2024
 - Nakupuna (DOH Requested)
 - University of Hawaii (Office of Naval Research grant)
 - RAND (Congressional requirement to look at DoD non-fuel re-use)

Safe...Planned...Engaged...

CWRM

Red Hill Remediation



21 NOV 2023



JBPHH Water Distribution System Long-Term Monitoring (LTM)

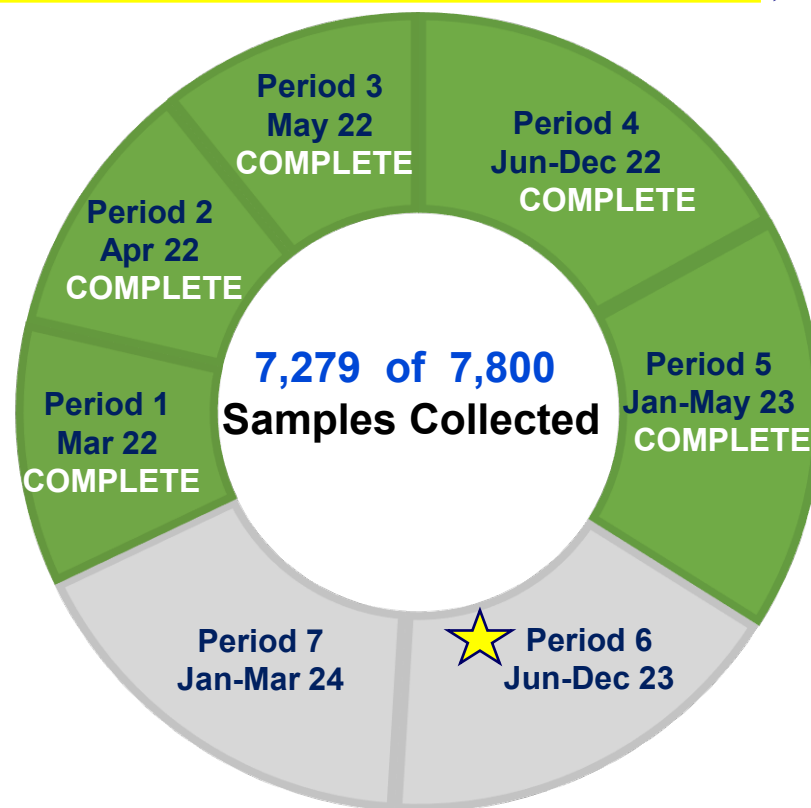


Water Distribution System Sampling:

- 24-mo LTM period through Mar 2024
- 65%+ of homes and non-residential buildings sampled
- Prioritized and randomized sampling:
 - Schools, Medical/Dental facilities
 - Child Development Centers & Homes
 - Across water distribution system

Rapid Response Team:

- Resident notification and engagement
- Rapid screening for Total Petroleum Hydrocarbon (TPH)
- Bottled water supply
- House flushing
- Contact Water Response Team (808) 920-3616



Additional Info:

- <https://jbphh-safewaters.org>
- Samples analyzed and data validated by third-party contractor



Drinking Water Community Outreach

Outreach Engagement:

- Drinking Water (DW) Information Booth
- Civilian Community Liaison and Environmental Engineer (SME)
- Communities and centers served by JBPHH water distribution
- Neighborhoods, Navy Lodge and base shopping locations
- Recurring events, biweekly basis

"I am very grateful for the partnership. Having you and the team on campus to share the information with the families and my staff has made a huge difference in how they feel about our water. We have been able to move forward from the water crisis to the healing process. There is a change in the atmosphere. Thank you so much for all that you have done for our school and community."

- Principal, Iroquois Point Elementary



Recent Events:

- 28 Sep: Main Navy Exchange, Pearl Harbor
- 11 Oct: Kapilina Beach Homes night market
- 12 Oct: Pearl City Peninsula NEX Mini Mart
- 23 Oct: BWS Board Meeting
- 24 Oct: Defense Info Sharing Forum (DISF)
- 25 Oct: Pearl Harbor National Park Staff
- 26 Oct: Hickam Exchange
- 02 Nov: HI Health and Human Services Committee
- 03 Nov: Governor's Water Council
- 08 Nov: Kapilina Beach Homes night market

Upcoming Events:

- 16 Nov: NEX Mini Mart Halsey Terrace
- 30 Nov: NEX Mall
- 13 Dec: Waiahole Elementary School
- 13 Dec: Kapilina Beach Homes night market
- 14 Dec: Ford Island Navy Lodge
- 21 Dec: Hickam Exchange
- Community Representation Initiative

Resources:

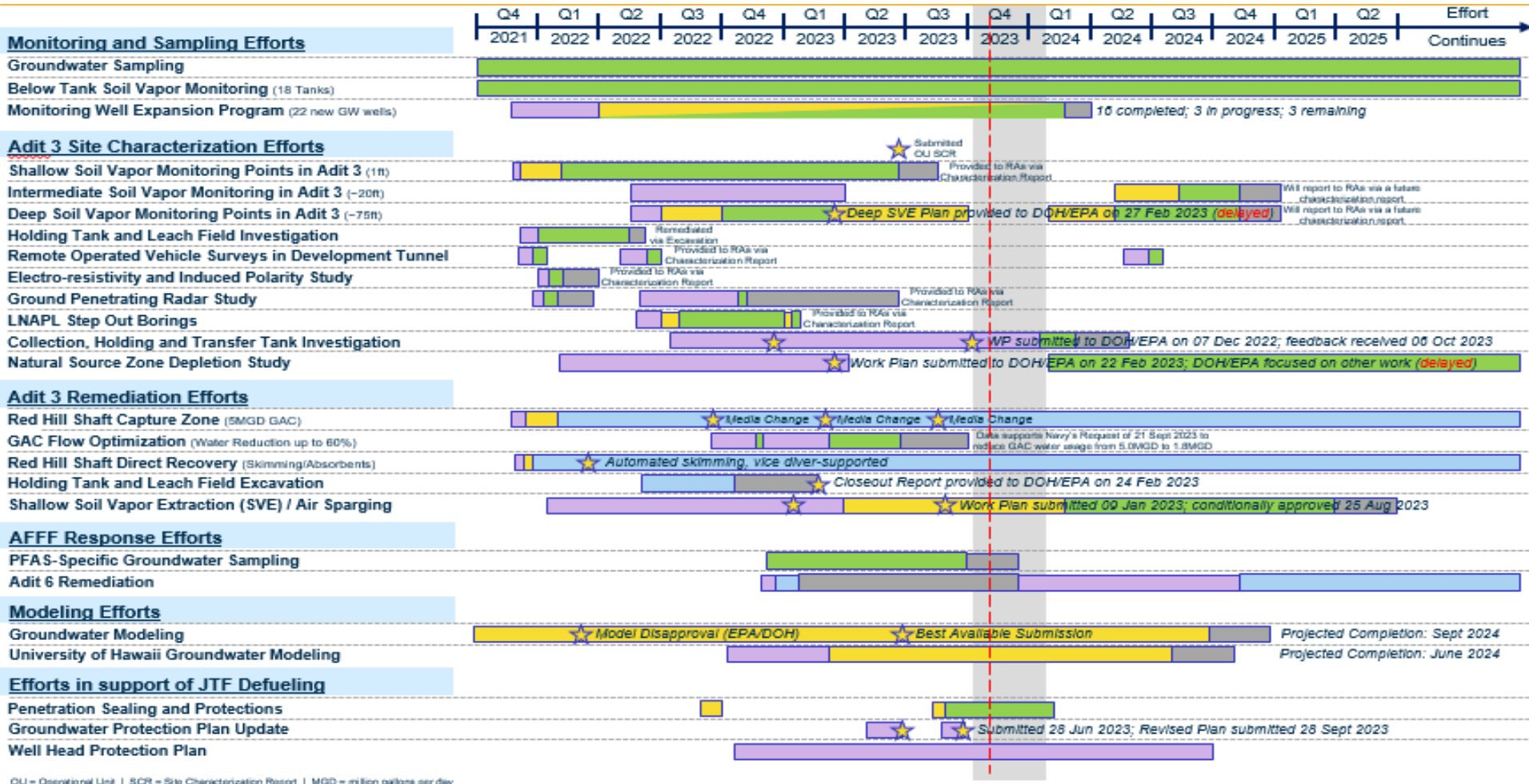
- DW data and information: <https://jbphh-safewaters.org>
- COMING SOON: Outreach Calendar



Red Hill Remediation Actions Schedule

- Planning Phase
- Installation Phase
- Monitoring Phase
- Remediation Phase
- Closeout / Report Phase

As of 2 NOV 2023



OU = Operational Unit | SCR = Site Characterization Report | MGD = million gallons per day




Joint Base Pearl Harbor-Hickam (JBPHH) Safe Waters Website

Safe Waters
Joint Base Pearl Harbor-Hickam

Welcome to the JBPHH Safe Waters website. This site has been created to provide ongoing information on all the Navy's efforts regarding water on the island of Oahu. These efforts are divided into two primary areas of focus, Drinking Water System and Red Hill Environmental. Choose from the options below to find detailed information on each of these efforts.


→ **Drinking Water System**



Click here for information on the Drinking Water System program.

→ [View Drinking Water System Site](#)
→ [Community Outreach Events](#)

→ **Red Hill Environmental**



Click here for information on the Red Hill Environmental program.

→ [View Red Hill Environmental Site](#)

Link to website: <https://jbphh-safewaters.org>