

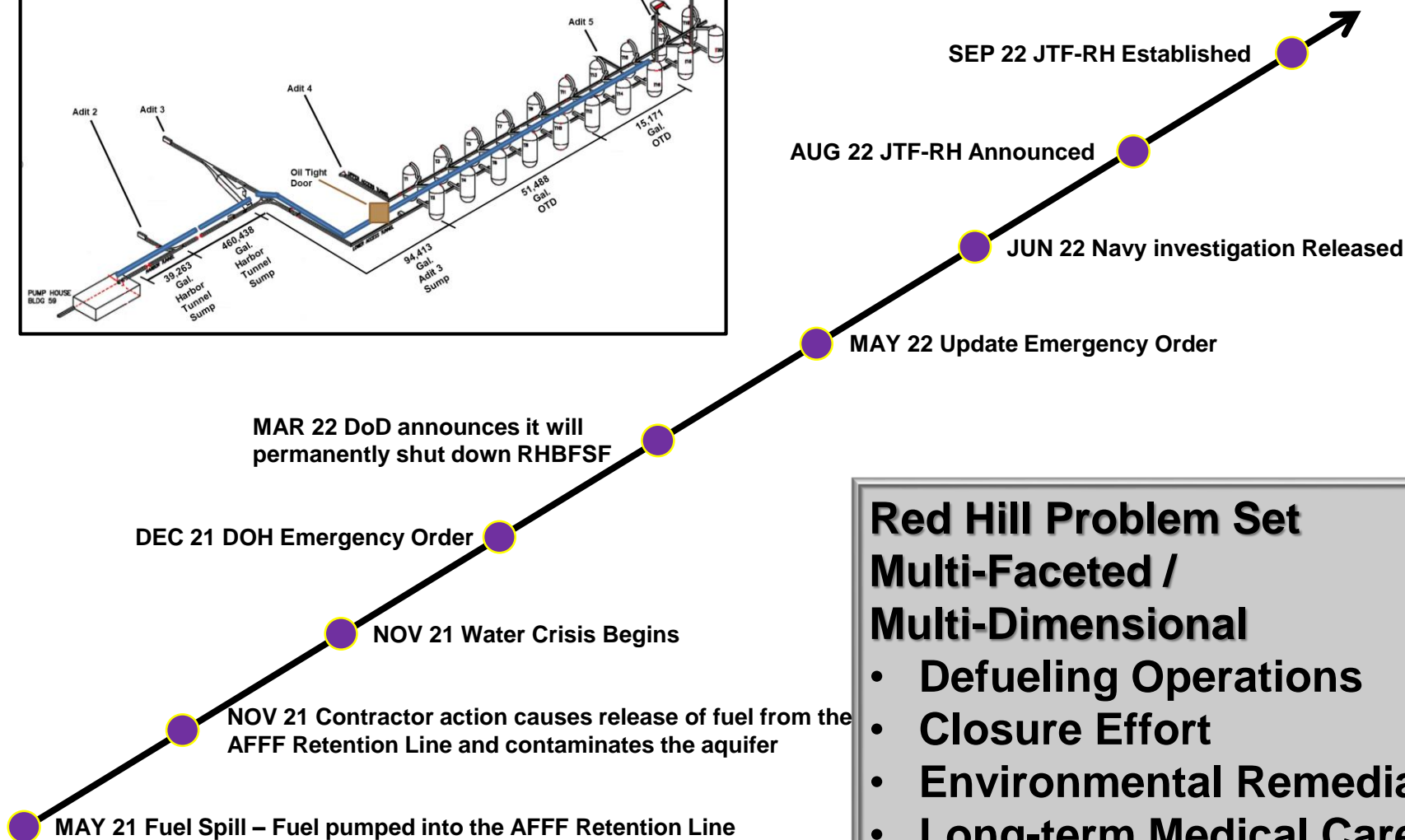
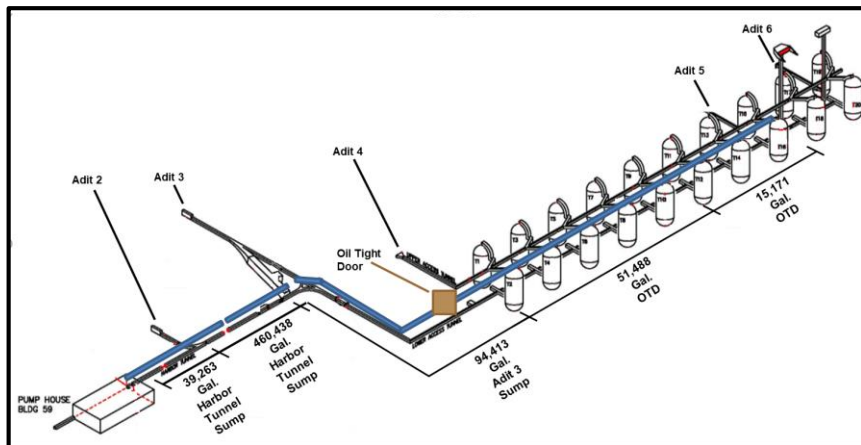
***Joint Task Force-Red Hill  
Hawai'i State Senate Health Committee  
Update Brief***



**2 NOV 2023**



# Red Hill Timeline Overview



## Red Hill Problem Set Multi-Faceted / Multi-Dimensional

- Defueling Operations
- Closure Effort
- Environmental Remediation
- Long-term Medical Care



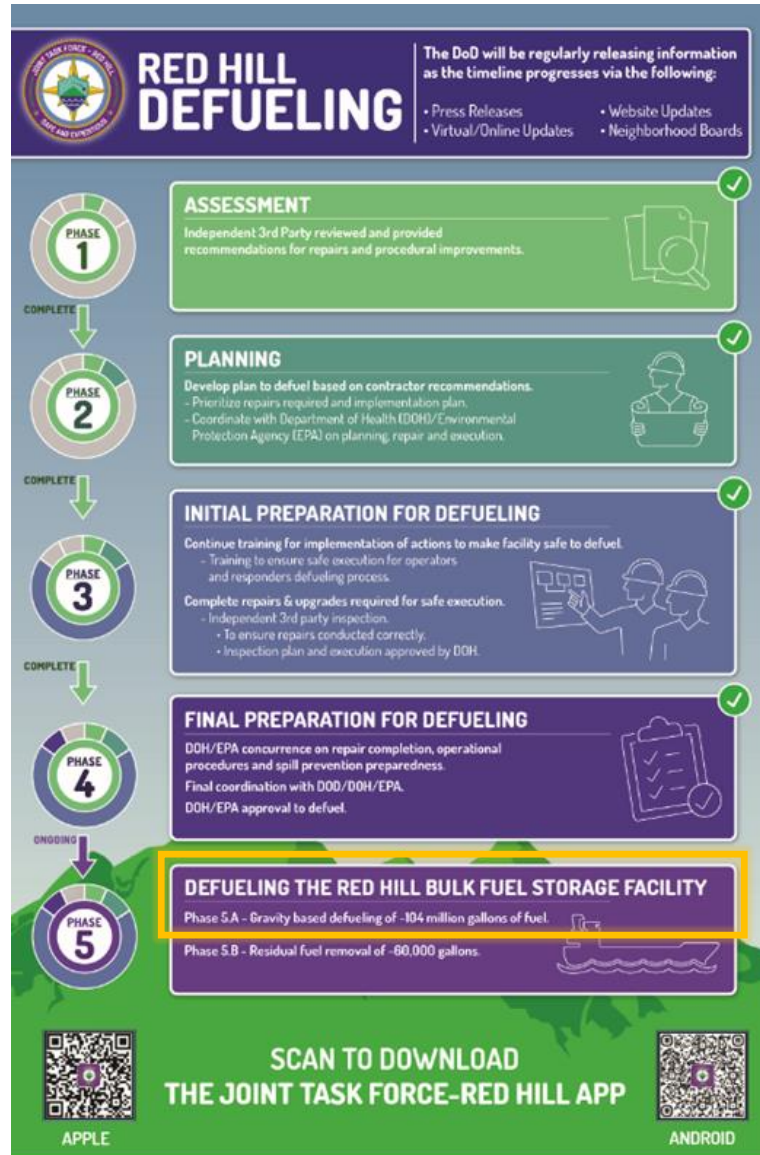
## Mission / End State

**Mission:** Joint Task Force-Red Hill (JTF-RH) ensures the **safe and expeditious defueling of the Red Hill Bulk Fuel Storage Facility (RHBFSF)** through coordination with State and Federal stakeholders in order to set conditions for closure while ***continuing to rebuild trust with the State of Hawai'i and the local community of O'ahu.***

**End State:** Red Hill Bulk Fuel Storage Facility is **safely defueled and conditions are set for closure**, while continuing to ***rebuild DoD trust with the State of Hawai'i and the community.***



# Red Hill Defueling Plan

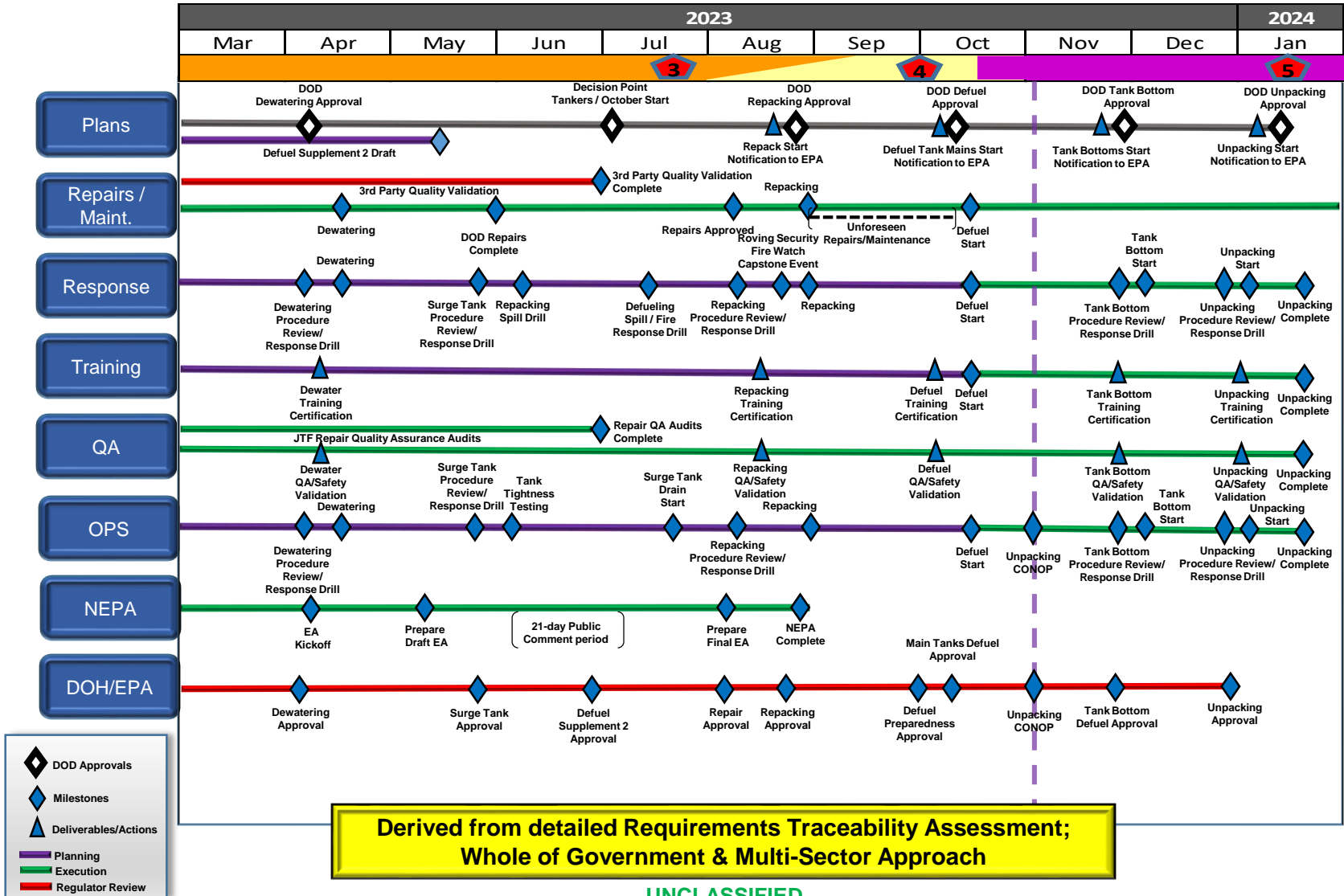




# JTF-RH Integrated Master Schedule (IMS) EXSUM

JTF-RH commenced gravity defueling on 16 OCT 2023

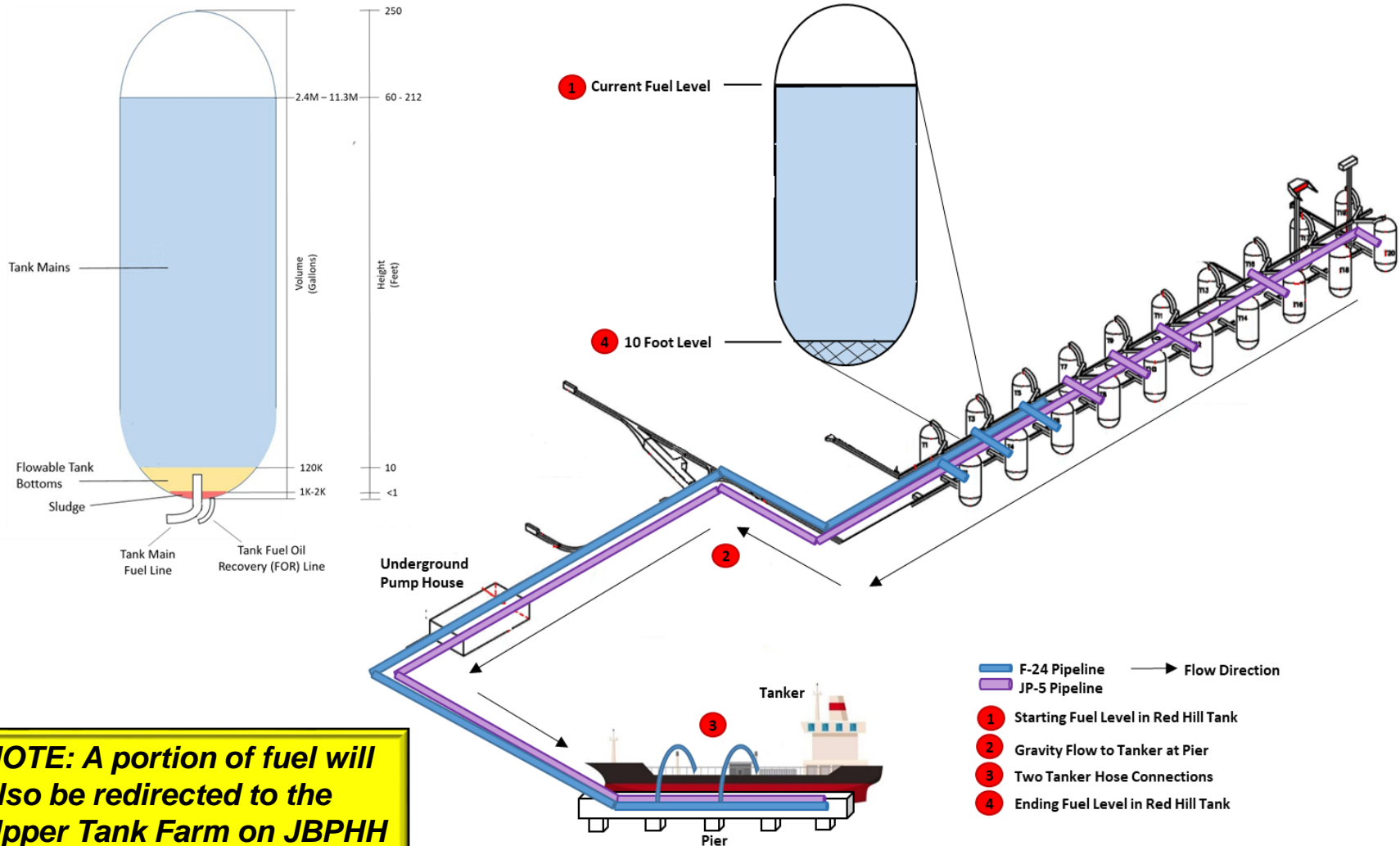
3: Initial Prep for Defueling  
4: Final Prep for Defueling  
5: Defuel and Relocate Fuel



Derived from detailed Requirements Traceability Assessment; Whole of Government & Multi-Sector Approach



# Defueling Phase 5A... Main Tanks

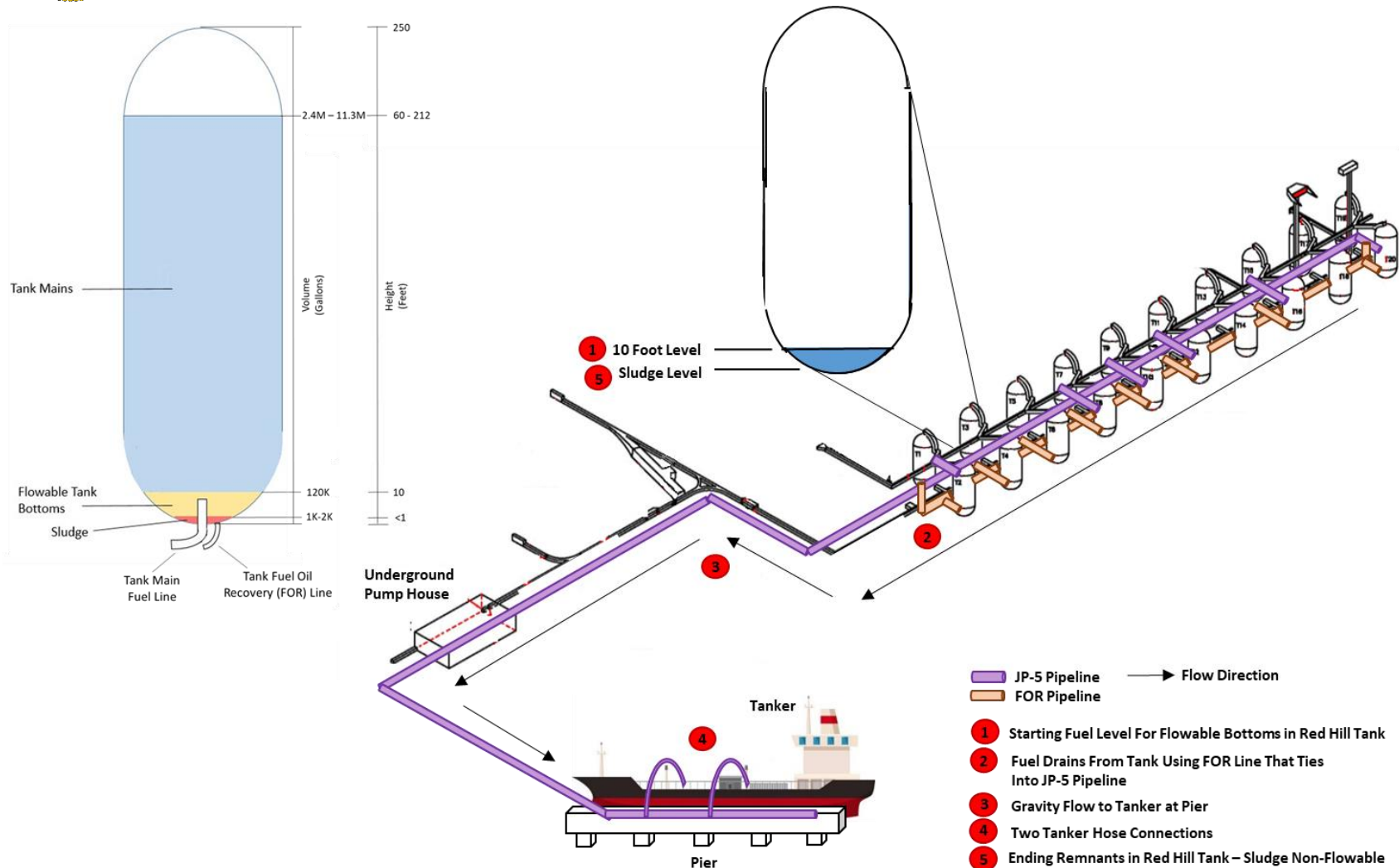


**NOTE: A portion of fuel will also be redirected to the Upper Tank Farm on JBPHH to ensure sufficient fuel for operations.**

**16 OCT – o/a 18 NOV 23**



# Defueling Phase 5A... Flowable Tank Bottoms

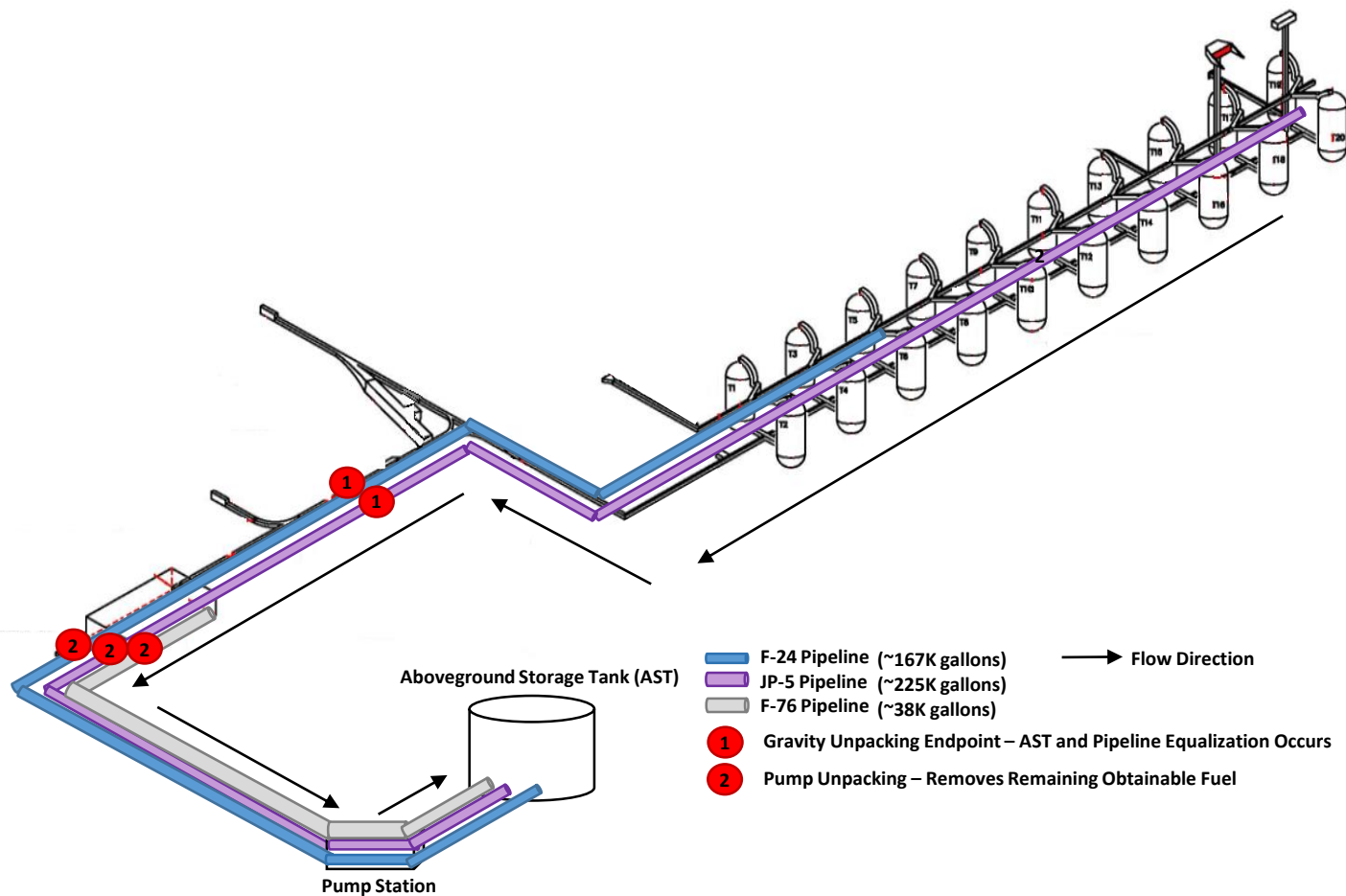


**o/a 4 – 15 DEC 23**





# Defueling Phase 5A... Unpacking

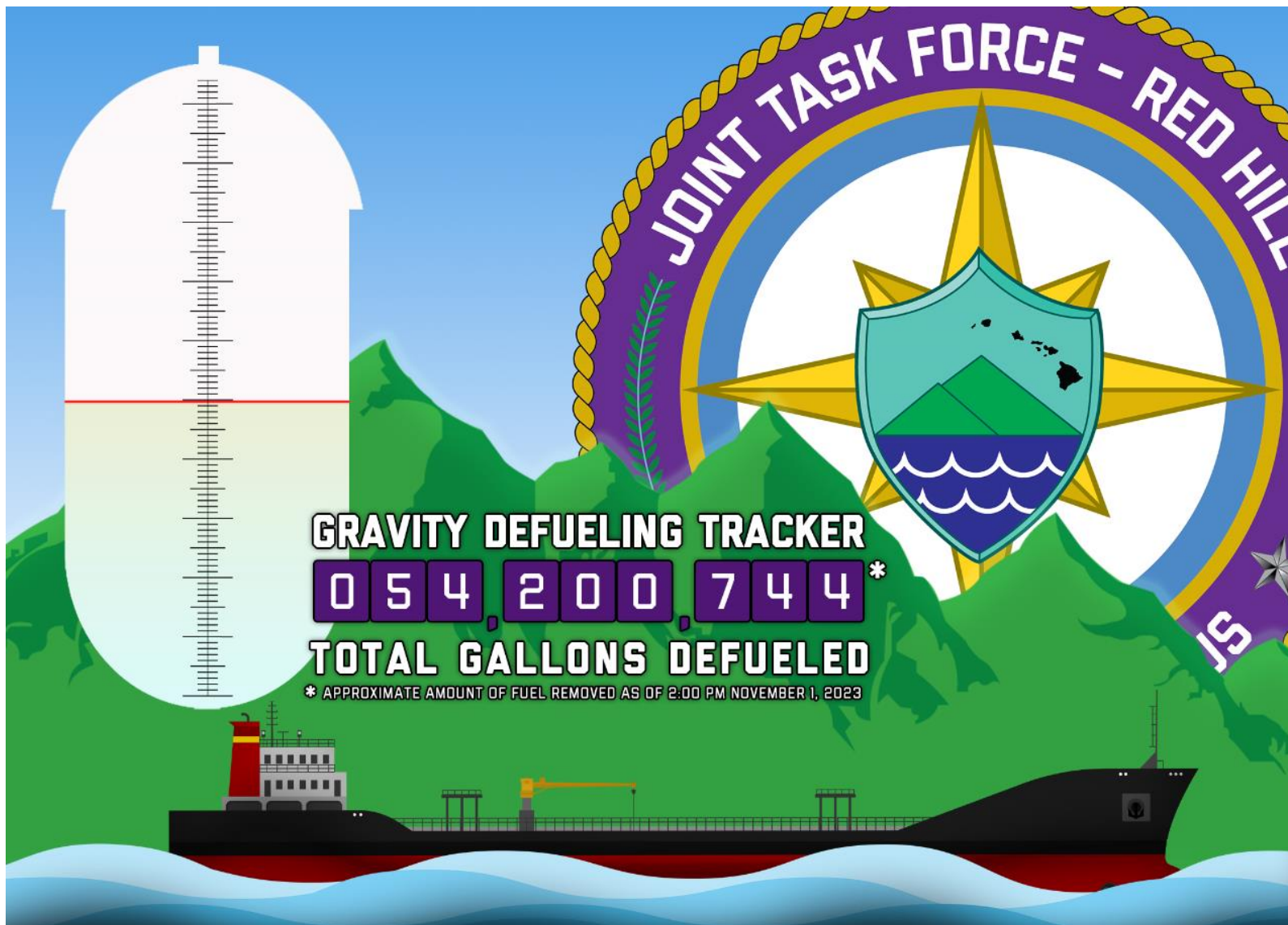


**o/a 15 – 19 JAN 24**





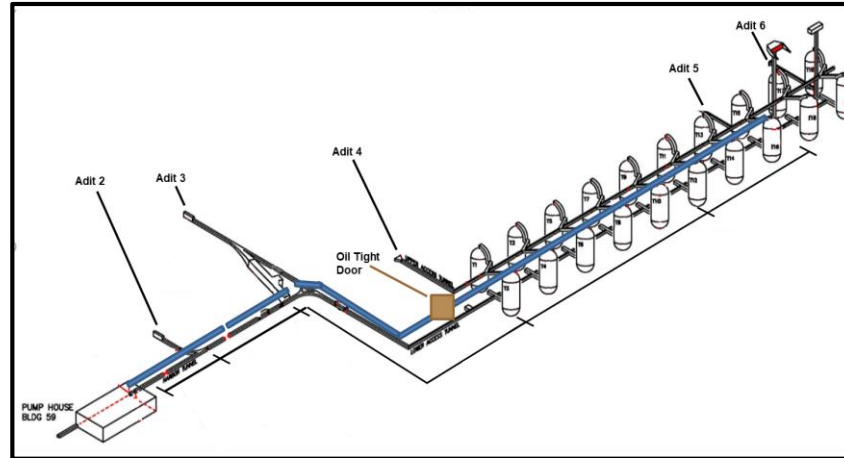
# Gravity Defueling Update as of 1NOV23





# Defueling Risk Mitigations

## Plans & Operations



## Repairs, Enhancements, & Modifications



## Training



## Test



## Safety & Quality Assurance



## Fuel Operations



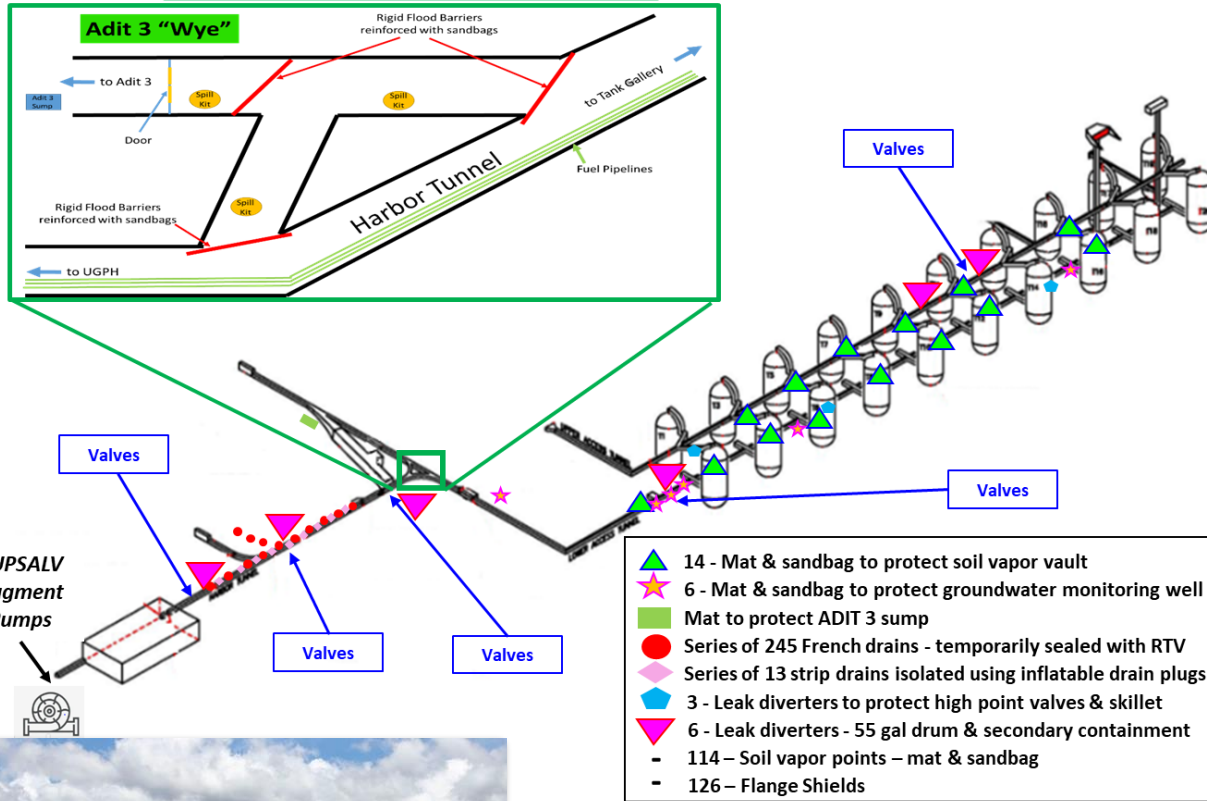
**Multi-dimensional approach to reduce risk and build resiliency into the system**





# Response Preparedness / Aquifer Protection

## ADIT 3/Aquifer Enhanced Protective Measures



**Aggressive Training Regimen; 6 Drills; Proactive Federal, State, and Local Integration; Robust Mitigations; Over 400 protective measures to safeguard aquifer**



# Continued Community Engagement



**OPERATIONAL VIEWPOINTS**

WHAT IS AN OPERATIONAL VIEWPOINT?  
THE ELEMENTS OF JTF-RH OPERATIONS AND THE TASKS AND ACTIVITIES COMPLETED IN ORDER TO SAFELY AND EXPEDITIOUSLY DEFUEL THE RED HILL BULK FUEL STORAGE FACILITY

**RISK REDUCTION**  
REDUCES THE UNLIKELIHOOD AND SEVERITY OF A HAZARD THROUGH IDENTIFICATION, ANALYSIS AND IMPLEMENTATION OF MITIGATION STRATEGIES

- 253 REPAIRS, ENHANCEMENTS AND MODIFICATIONS
- TEST MANAGEMENT PLAN
- QUALITY MANAGEMENT PLAN
- TRAINING AND CERTIFICATION
- HAZARD ASSESSMENTS

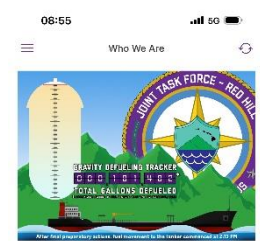
**RESPONSE**  
MEASURES PUT IN PLACE TO ELIMINATE OR CONTROL AN IMMEDIATE THREAT TO THE ENVIRONMENT OR HUMAN SAFETY

- SPILL KITS AND SECONDARY CONTAINMENT THROUGHOUT THE FACILITY, PIER, AND HARBOR
- DIVERSION BARRIERS & INCREASED PUMPING CAPACITY IN THE EVENT OF SPILL REMEDIATION
- INTERAGENCY COORDINATION AND INTEGRATION
- ROVING SECURITY & FIRE WATCH
- SPILL RESPONSE DRILLS & EXERCISES

**PROTECT AQUIFER**  
OVER 400 INCREMENTAL MEASURES IMPLEMENTED THROUGHOUT THE FACILITY TO PROTECT THE AQUIFER AND TO MINIMIZE ENVIRONMENTAL IMPACTS DURING DEFUELING

- FRENCH DRAIN SEALING
- GROUNDWATER MONITORING WELL SEALING
- VALVE SECONDARY CONTAINMENT
- SOIL VAPOR POINTS AND VAULT SEALING
- SLUMP STATION ADDITIVE BARRIERS

STAY CONNECTED: DOWNLOAD THE JTF-RH APP



**Our Mission**

Joint Task Force-Red Hill (JTF-RH) ensures the safe and expeditious defueling of the Red Hill Bulk Fuel Storage Facility (PHBFSF) through coordination with State and Federal stakeholders in order to set conditions for closure while continuing to rebuild trust with the State of Hawaii and the local community of Oahu.

Members of the public who wish to contact us, please use the dropdown menu at the top left of the app, scroll to the bottom and click **Contact Us**.

**Privacy Advisory:** The email address or name you provide when contacting us is not maintained in any Privacy Act system of records. The information provided will only be used to respond to inquiries and will be deleted after a response has been submitted.

**Consistent & Persistent Engagement with the Communities of Hawai'i**





# Red Hill Defueling Plan

## 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

COMPLETE

### ASSESSMENT

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

COMPLETE

### 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.

COMPLETE

### 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 DDH.

COMPLETE

### FINAL PREPARATION FOR DEFUELING

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

Final coordination with DOD/DOH/EPA.

DDH/EPA approval to defuel.

ONGOING

### 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 ~80,000 gallons.

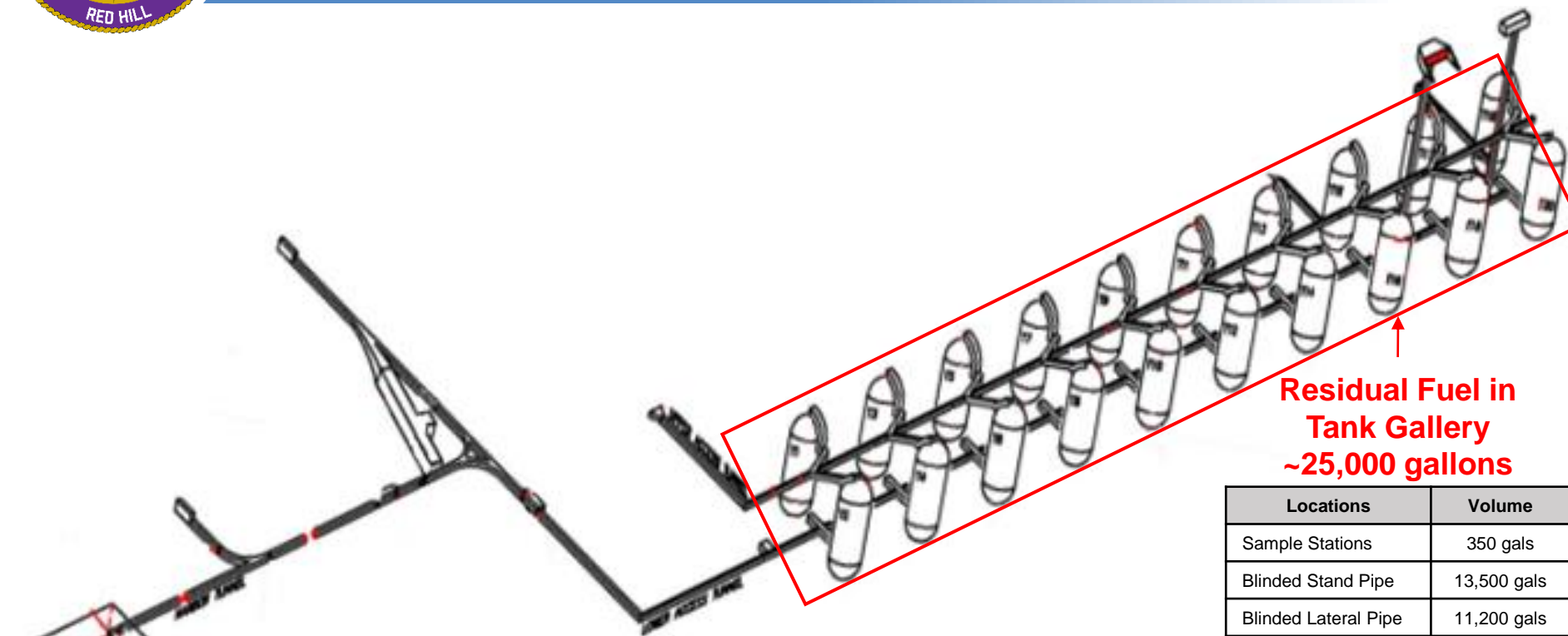
SCAN TO DOWNLOAD  
THE JOINT TASK FORCE-RED HILL APP

APPLE

ANDROID



# Defueling Phase 5B... Residual Fuel



**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-RH will remove ~60k gallons of residual fuel  
o/a 22 JAN – 31 MAR 24**



# Transition to 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 the Navy will be responsible for the removal of ~4k gallons of residual fuel and ~28k gallons of sludge**





# ***Closing Red Hill***

***Captain Ted Carlson***  
***Chief of Staff, Navy Region Hawaii***



# Closure Efforts

- **Transition**
  - Ongoing; maintains HIGH standards, building TRUST through actions, modeled after JTF - Red Hill
- **Closure**
  - Complex, multi-faceted, regulated, SAFETY-focused
- **Beneficial Reuse**
  - Three reports to Congress in February 2024
- **Community Outreach**
  - A priority, applicable to all efforts; transparent, factual, frequent communication
- **Remediation**
  - Enduring commitment to protect the water, environment and community



# JBPHH Water Distribution System Long-Term Monitoring (LTM)

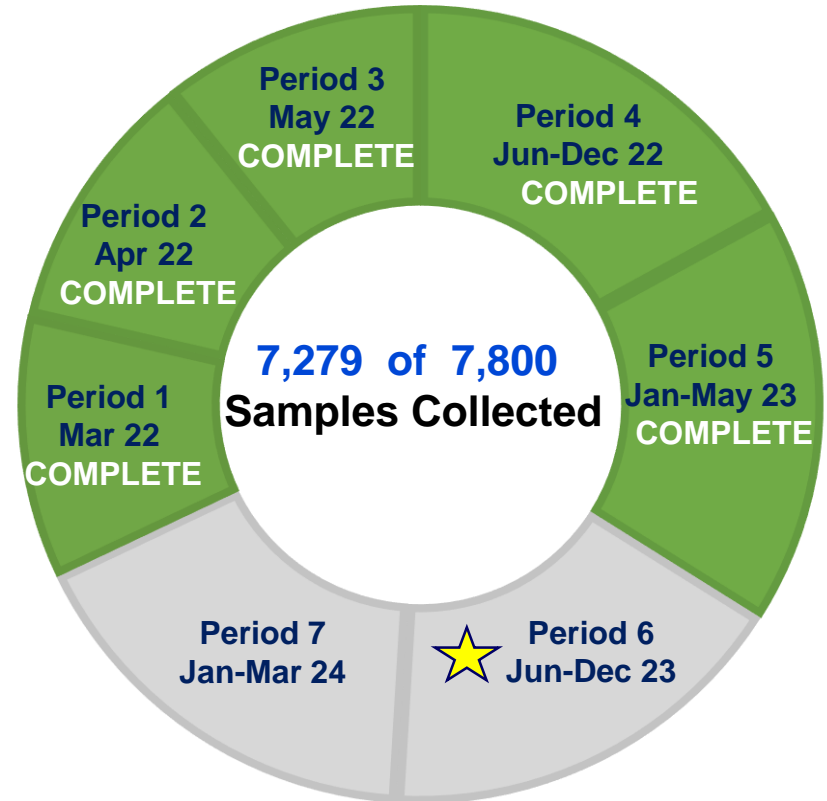


## Water Distribution System Sampling:

- 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

Rapid response team screening and validated LTM sampling have yielded zero detections of JP-5



# 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:

- 08 Sep: Military Affairs Council Pearl Harbor visit
- 14 Sep: Navy Lodge at Ford Island
- 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

## Upcoming Events:

- 08 Nov: Kapilina Night Market
- 09 Nov: NEX Mini Mart Halsey Terrace
- 15 Nov: Fuel Tank Advisory Committee
- 30 Nov: NEX Mall
- Community Representation Initiative

## Resources:

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



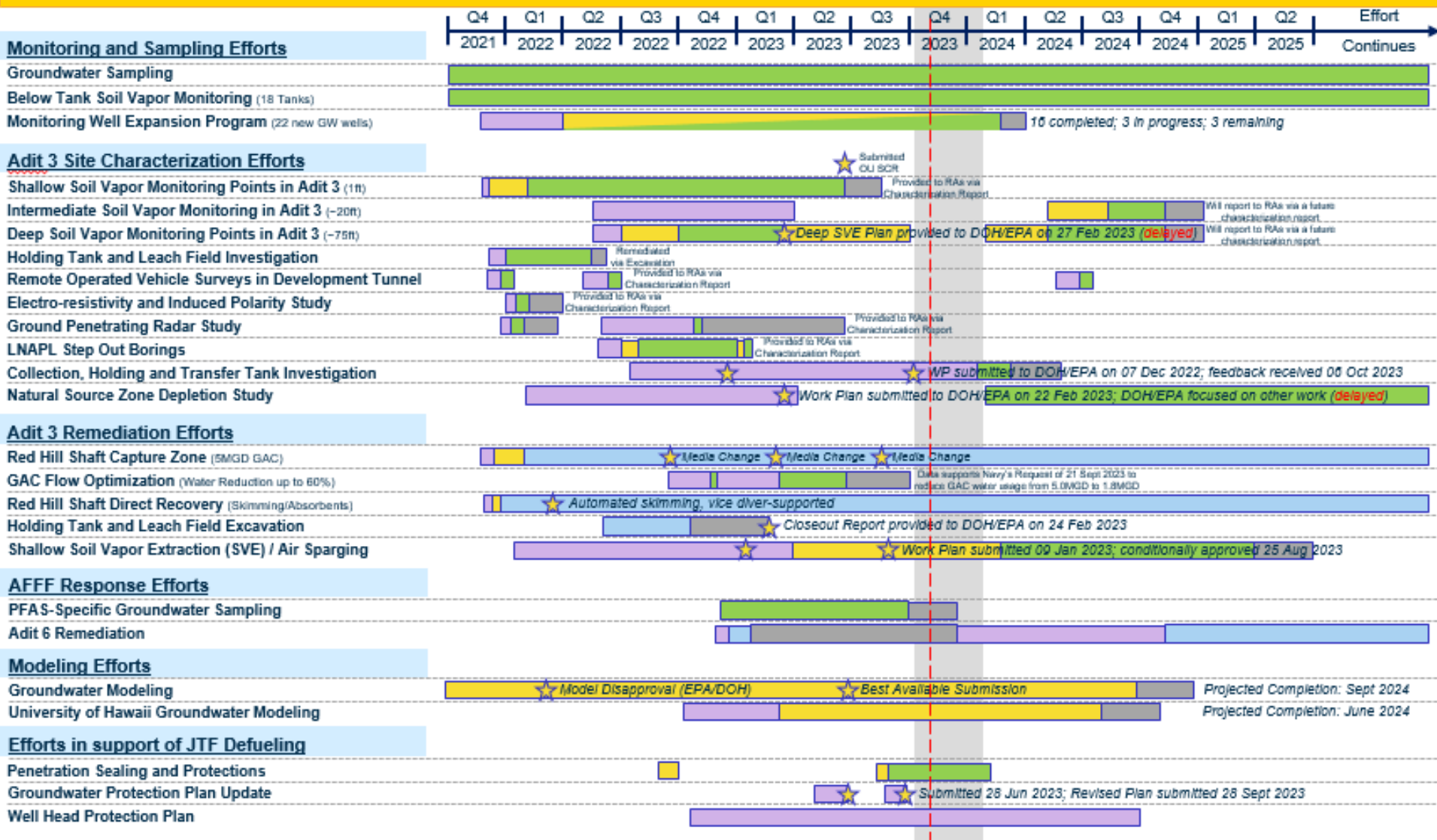


# Red Hill Remediation Actions Schedule

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



As of 26 OCT 2023



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



# **Defense Health Agency Network Indo-Pacific**

Dr. Kevin Nakamura  
Assistant Director Medical Affairs  
Chief Medical Officer

# Defense Health Network Indo-Pacific Update

- **Red Hill Clinic**
  - Health care for military, and community members eligible for Secretarial Designation
    - Naval Branch Clinic Makalapa on Joint Base Pearl Harbor-Hickam
    - Call 833-415-3024, Mon-Fri, 8 a.m. – 4 p.m. to make an appointment
    - Visit <https://nhchawaii.tricare.mil/Clinics/BHC-Makalapa/Red-Hill-Clinic> for more information
- **Secretarial Designation available through March 10, 2024**
  - Any civilian who resided in housing served by the Joint Base Pearl Harbor-Hickam Water Distribution System, or who worked full- or part-time on the base or any DOD facility served by the base between November 20, 2021 and March 18, 2022

**AND**

- Who are experiencing persistent symptoms the individual attributes to jet fuel contamination are invited to call to schedule their medical assessment.
- No reimbursement for care received outside of the Red Hill Clinic





# Defense Health Agency Public Health Update

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- Ongoing Efforts
  - Centers for Disease Control and Prevention / Agency for Toxic Substances and Disease Registry (CDC/ATSDR) collaboration
    - 11-person team including experts in Epidemic Intelligence
    - Reviewed 653 de-identified medical records
    - Looking for trends in medical patients exposed to contaminated water
    - CDC/ATSDR will release publicly once review is completed
  - Continuing Education home study for Healthcare Providers
    - Course is available online at <https://www.dhaj7-cepo.com/content/special-feature-webinar-home-study-patient-and-family-centered-care-environmental-exposures>
  - Health Registry
    - A registry has been approved by DoD
    - We will provide more information as it becomes available





***Questions?***

# Protecting Public Health & the Environment: Department of Health Red Hill Update

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November 2, 2023



# DOH Conditional Approval of Defueling



JTF-RH submits  
Defueling Plan  
May 2023



DOH & EPA  
conditional approval  
of Defueling Plan  
June 2023



DOH approves  
quality validation  
reports for repairs  
September 2023



DOH observes  
**RESPONSE DRILLS**  
July & August 2023



DOH approval to  
**DEFUEL  
SURGE TANKS**  
July 2023



DOH approval of  
**PIPELINE  
REPACKING**  
August 2023



DOH approval to  
**DEFUEL  
MAIN TANKS**  
October 2023



DOH approval to  
**DEFUEL  
TANK BOTTOMS**  
October 2023



DOH approval of  
**PIPELINE  
UNPACKING**



DOH approval to  
**REMOVE  
RESIDUAL FUEL**



# DOH Red Hill Priorities

## 1 DEFUEL and CLOSE the Red Hill Bulk Fuel Storage Facility Safely and Quickly



**DEFUELING**  
Removes the risk of further contamination.



**CLOSURE**  
Removes the risk of future contamination.

## 2 ASSESS and REMEDIATE Our Aquifer



**AQUIFER REMEDIATION**  
Ensures safe drinking water for future generations.