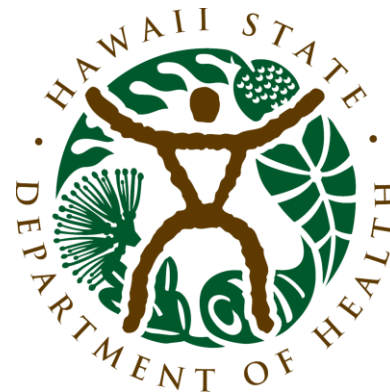
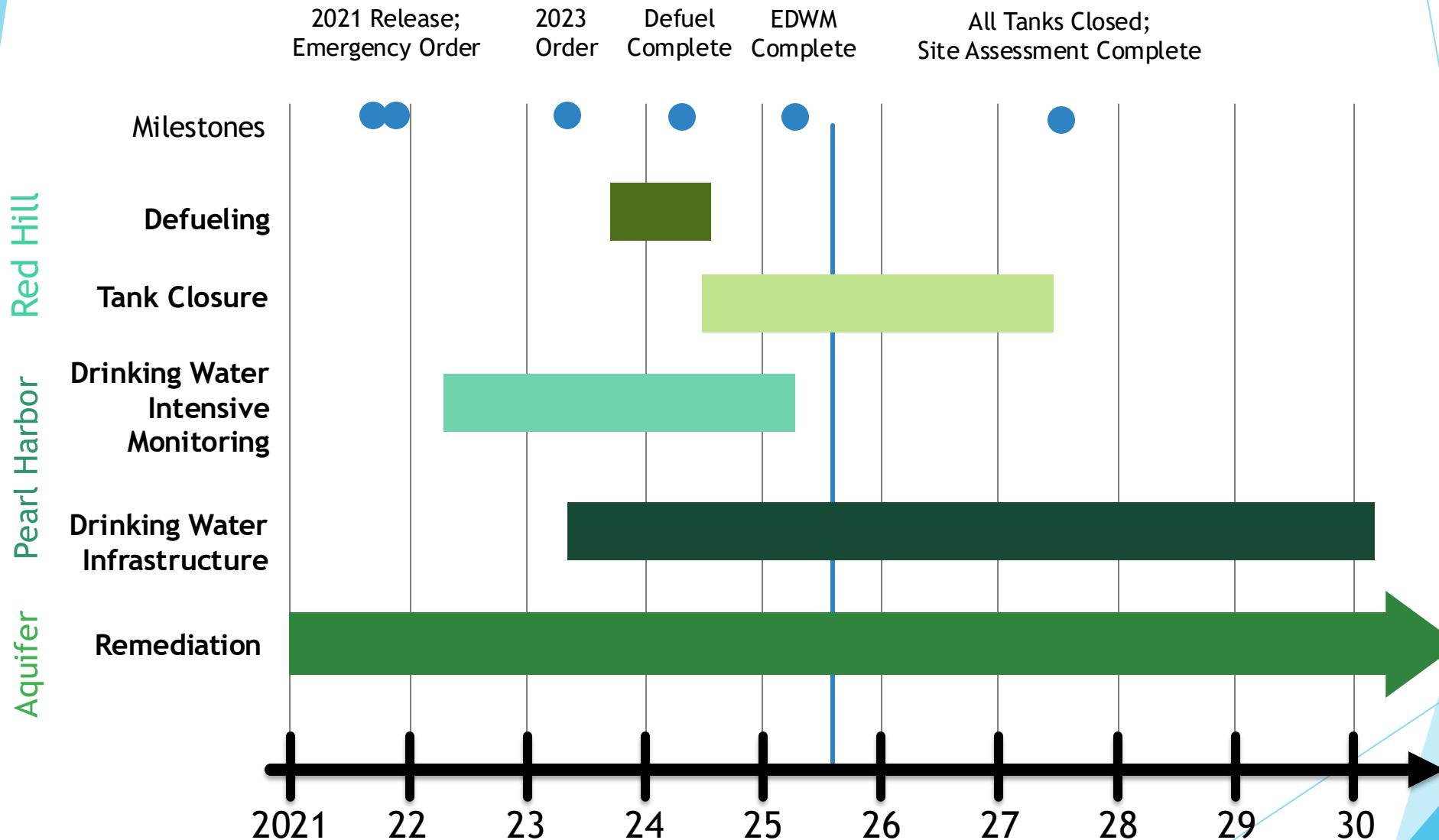


# Red Hill Regulatory Agencies Updates

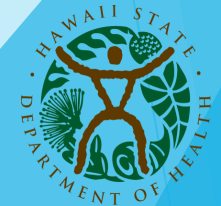
Fuel Tank Advisory Committee Meeting  
October 1, 2025



# Red Hill Oversight Timeline



\* The dates are determined by existing conditions and may be revised by Navy.



# Drinking Water Oversight Update

## November 2021 Jet Fuel Release Response and Recovery

- ☒ EPA split sampling – Extended Drinking Water Monitoring (EDWM)
- ☒ EPA laboratory study of chlorine interactions with surrogate
- ☐ EPA drinking water system summary report (drinking water system summary through completion of EDWM)
- ☒ Report for June 2024 EPA Inspection of the Drinking Water System
- ☒ EPA review and acceptance of Asset Management Plan
- ☒ EPA review and acceptance of Operations and Maintenance records
- ☐ EPA review of Navy flushing plans and subsequent implementation
- ☐ EPA review Navy Source Water Protection Plan
- ☐ Drinking water infrastructure improvements



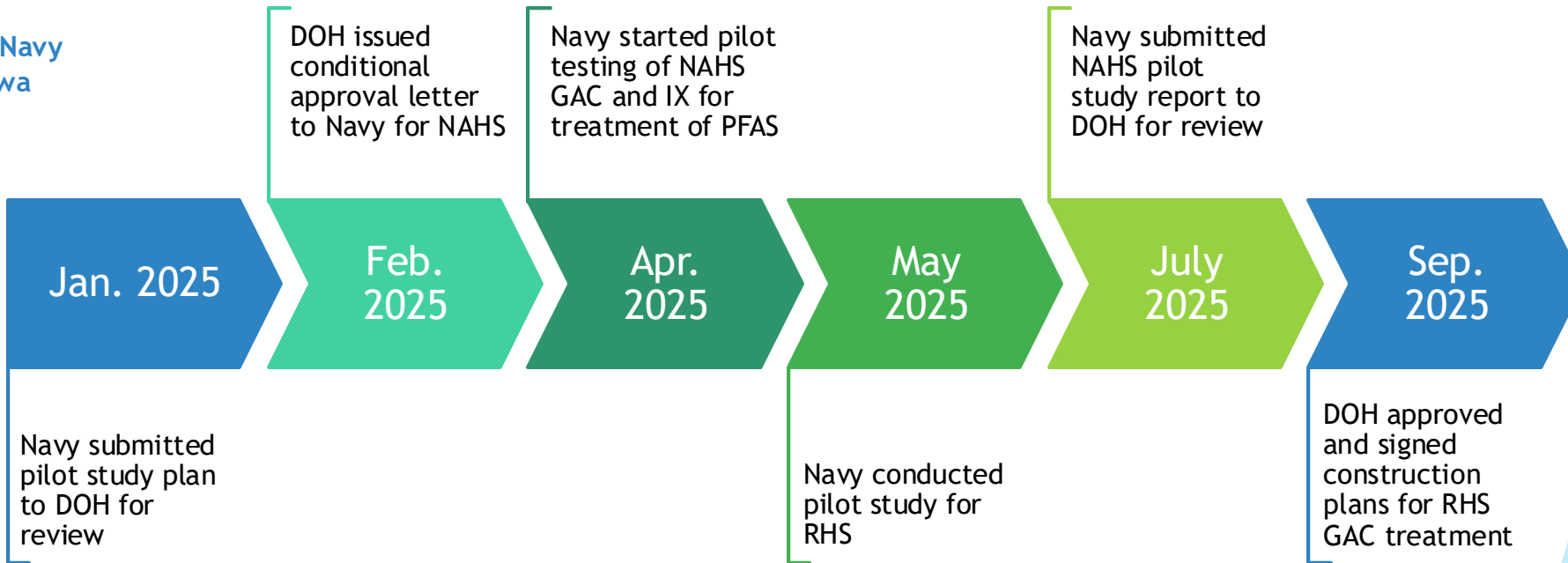
# Navy Drinking Water Shaft Reactivation

## 2025 Updates

**NAHS** (Navy  
Aiea Halawa  
Shaft)



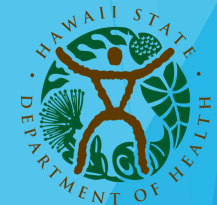
**RHS**  
(Red Hill  
Shaft)



# Closure Plan Requirements

Under the 2022 Emergency Order & 2023 Consent Order

- ☒ Defueling Plan
- ☐ Closure Plan
  - ☒ Tank Cleaning Plan
  - ☒ Tank Cleaning Third-Party Verification Plan
  - ☒ Air Monitoring Plan
  - ☒ Fuel Tank Interior Modifications
  - ☒ Pipeline Removal Plan
  - ☐ Facility Closure Design Plan (EPA & DOH awaiting responses to comments)
  - ☒ Site Assessment Plan, Phase 1 (onsite) (DOH conditional approval June 2025; EPA approval July 2025)
  - ☐ Site Assessment Plan, Phase 2 (offsite)
  - ☐ Site Investigation & Remediation Plans (Expected after site assessment)



# Oversight of Navy Tank System Closure

## Ongoing Work

- Meet at least weekly with Navy to address outstanding issues
- Review and comment on submitted plans
- Conduct walk-throughs before operations
- Oversee degassing and pressure washing
- Oversee pipeline cleaning

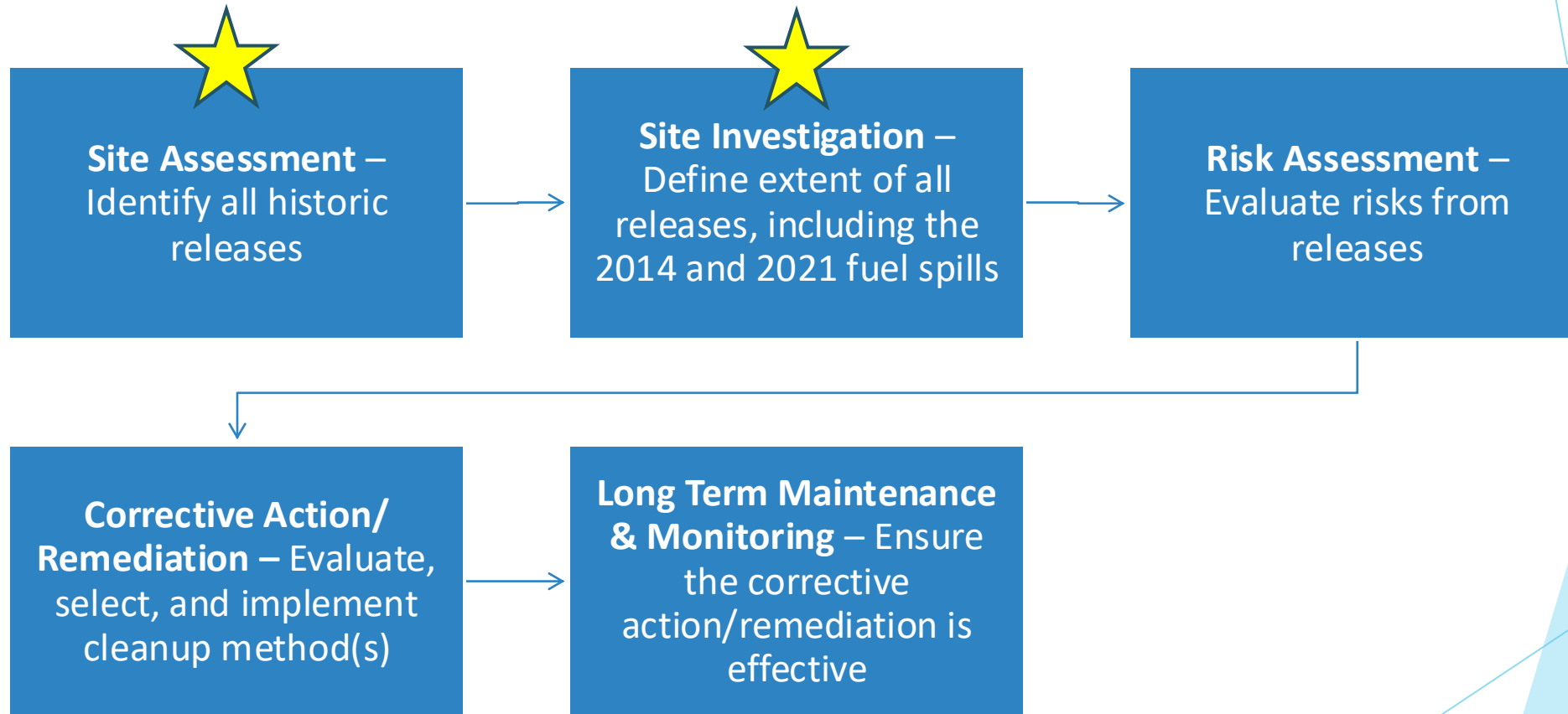
## Upcoming Work

- Oversee pipeline and system component removal
- Reports –
  - Interim closure reports
  - Final closure report (July 2029)

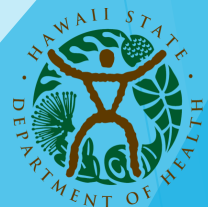


# Oversight of Navy Environmental Activities

## Required for UST Closure

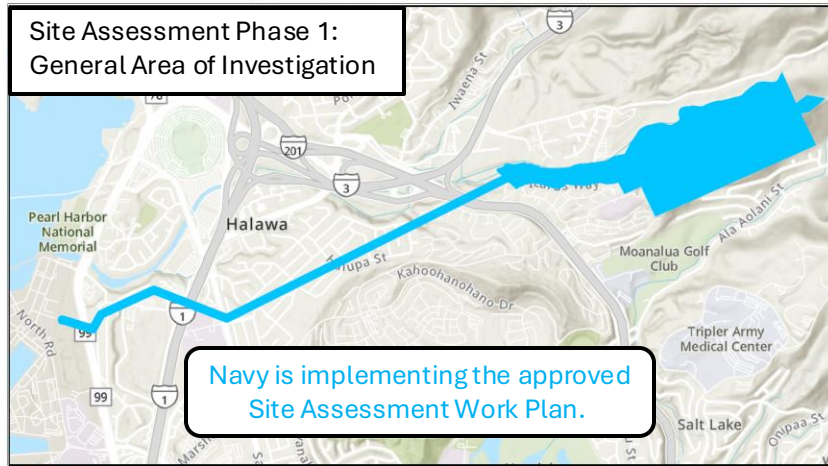


Work in progress





Site Assessment Phase 1:  
General Area of Investigation



Navy is implementing the approved  
Site Assessment Work Plan.

**Holding & Leach Tank**

Site Investigation

DOH&EPA reviewing Navy's  
revised May 2025 work plan to collect  
additional data to delineate  
contamination.

Soil Vapor Extraction  
Pilot Study

To determine feasibility  
and effectiveness of  
this remedial option.

PFAS Remedial Investigation

Navy began quarterly  
groundwater sampling at the  
end of 2024. DOH&EPA are  
collaborating with the Navy on  
revisions to the RI work plan.

**Adit 6**

Nov 2022 AFFF Release

Initial release response completed.  
Additional work will be required as part of  
the PFAS Remedial Investigation.

**Tank Gallery**

Routine Sampling

Weekly soil vapor  
samples collected  
beneath the tanks.

**Adit 3**

Site Investigation

Navy continues to collect  
data in this area to determine  
nature and extent of the Nov  
2021 JP-5 release.

**Collection, Holding, &  
Transfer Tank**

Site Investigation

Navy is preparing a work  
plan to collect additional  
site data.

**Area-Wide Routine Sampling**

1. Groundwater testing in 46 monitoring wells - 2x per month
2. Groundwater field measurements - monthly
3. Halawa Stream wildlife and water quality monitoring - weekly
4. Air monitoring during degassing at 9 stations - hourly



Please note that all locations and areas are approximate.  
Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc,  
METI/NASA, USGS, EPA, US Census Bureau, USDA, USFWS,  
Esri, NASA, NGA, USGS, FEMA, Sources: Esri, Airbus DS,  
USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS,  
NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland,  
FEMA, Intermap and the GIS user community, Esri  
Community Maps Contributors, City and County of  
Honolulu, © OpenStreetMap, Microsoft, Esri, TomTom,  
Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA,  
USGS, EPA, US Census Bureau, USDA, USFWS

# On-going Environmental Activities at Red Hill



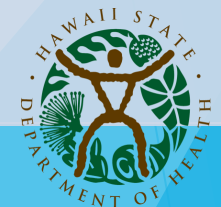
# 2023 ACO Community Engagement

## Navy 2025 Community Engagement Plan

- Quarterly Open Houses
- Quarterly Webinars
- Quarterly CRI Meetings
- State and Local Commission Meetings
- Neighborhood Boards
- Hawaiian Civic Clubs
- Kūpuna Engagements
- Community Information Booths
- Veteran Organizations
- Additionally: Podcast, Cellphone Application, and Newsletters

## Future of Red Hill Community Engagement

- Evaluate Engagement Strategy effectiveness
- Navy to submit 2026 Community Engagement Plan
- EPA, in coordination with DOH, review of plan and approval, if appropriate



# DOH & EPA Community Engagement

- ▶ DOH Summer 2025 "Groundwater Basics" Webinar Series
  - ▶ Groundwater and Its Importance as a Resource in Hawai'i
  - ▶ Basics of Groundwater Flow
  - ▶ Contaminant Transport in Groundwater
  - ▶ Contaminant Plume and Aquifer Cleanup
- ▶ Attend Navy's Open Houses
- ▶ CRI Meetings
- ▶ FTAC Meetings
- ▶ State and Local Commission Meetings
- ▶ Neighborhood Boards
- ▶ Fact Sheets



Watch DOH Groundwater Webinars on YouTube



EPA Red Hill Email list



Calendar of Red Hill public events and webinars hosted by EPA, DOH, and Navy



# Plans and Environmental Data Are Available at:

EPA Website  
Red Hill



EPA Groundwater  
App



DOH Website  
Red Hill



Navy Website  
JBPHH Safe Waters



EPA & DOH also facilitate the involvement of subject matter experts from stakeholder agencies such as BWS, CWRM, and USGS.

