

Pearl Harbor-Hickam-Kalaeloa Restoration Advisory Board

Meeting: Wednesday, **May 20, 2026**

Time: 6:00pm to 8:00pm

Location: Oahu Veterans Center, hybrid meeting

Agenda

A. Welcome and Introductions — Facilitator

1. Pule (Invocation) — Francie Whitfield, Community Co-Chair
2. Roll Call — (13) Community RAB Members
3. Acknowledgment of Officials present — Community Co-Chair
4. Environmental Restoration Introduction and Rules of Engagement/Speaking — Facilitator /ER Manager

B. Administrative Board Business

1. Board Member Absences: Dennis Yuen
2. Related to Transparency/timely— Meeting Minutes
 - c. Suggestion: Official audio or video recording as part of record and Minutes to summarize with time stamps
 - d. Suggestion: Release within a week an audio or video recording of the meeting
3. Review/vote on approval of the January 14, 2026 RAB Meeting Minutes
4. RAB Committees — Community Co-Chair to propose and discuss the establishing of RAB Committees, and/or confirm Board Member's Committee Assignments
5. Set next RAB Meeting: September 2026 — Military Co-Chair
6. Set RAB tour date to visit Pearl Harbor Sediments Remediation Sites — Military Co-Chair
7. Introduction of Remediation Staff — Military Co-Chair

C. Board Business Presentations — Facilitator

1. Follow up to Mr. Lau's request to expand the Red Hill Monitoring Well Network to Include Existing Basal Aquifer Groundwater Monitoring Well at the Former 'Aiea Laundry Facility
2. Five Year Reviews at JBPHH
3. Updates on PFAS investigations at other sites in addition to Red Hill

D. Closing Remarks

1. Military Co-Chair and Community Co-Chair
2. Adjournment.



Pearl Harbor-Hickam-Kalaheo Restoration Advisory Board Meeting

Oahu Veterans Center
Honolulu, Hawaii

20 May 2026

Distribution Statement A. Approved for public release: distribution is unlimited.

Agenda

- **Welcome and Introductions**
 - Pule
 - Roll Call
 - Acknowledgment of Officials present
 - Meeting Rules of Engagement
- **Administrative Board Business**
 - Board Member Absences
 - Discussion about Recording Meetings
 - Review and Approve January 2026 Meeting Minutes
 - Discussion about RAB Committees
 - Schedule next RAB Meeting, Site Tour
 - Pearl Harbor Sediments Site Tour – August 8, 0800-1000
 - Introduction of Restoration Staff
- **Follow Up Request to Expand Red Hill Monitoring Well Network**
- **Presentation: Five Year Reviews at JBPHH**
- **Update on PFAS Investigations**
- **Questions and Answers**
- **Closing Remarks**

Objectives of the Restoration Advisory Board

- **Promote community awareness and enable the flow of information, concerns, values and needs between the community and the installation**
- **Help ensure that all stakeholders have a voice and the ability to actively participate in the environmental restoration process**
- **Disseminate information about the Environmental Restoration Program (ERP)**
- **Ensure that ERP projects reflect diverse interests and concerns within the community**
- **Partner with both the regulated and regulating agencies on the ERP projects**
- **Provide meaningful input to the decision-makers on restoration issues**

Restoration Advisory Board Committee Proposal

A. Core Team Organization

B. Hawaiian Cultural Specialists

C. Technical Review Analysis/Subject Matter Experts

D. Outreach: All

Repositories	Neighborhood Boards	Legislative Liaisons
Social Media	Distribution Lists	

E. Outreach: Environmental Restoration Resource Development

Website Development	Social Media	Researchers
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F. Outreach: Ideas for the future

Website Development	Social Media	Researchers
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Website Updates



Environmental Restoration, Navy (ER,N) Program at Red Hill

Home Former OWDF Site Investigation PFAS Remedial Investigation **Red Hill ER,N Program Documents** Community Involvement ER,N Program Safe Waters

How to Access Red Hill ER,N Program Documents in the Administrative Record

Step 1: Access a search engine for [Red Hill ER,N program documents by clicking here](#).

Step 2: In the Search bar at the top of the page, enter in "Red Hill", and click the Search button.

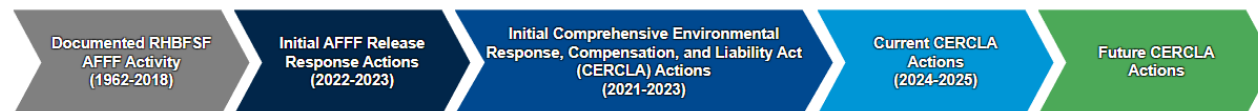
Step 3: View the list of Red Hill ER,N program documents available in the Administrative Record.



Website Updates

Home Former OWDF Site Investigation PFAS Remedial Investigation Red Hill ER,N Program Documents Community Involvement ER,N Program Safe Waters

Red Hill PFAS Timeline (Click to Expand)



Data and Reports of Current Activities

Analytical Data

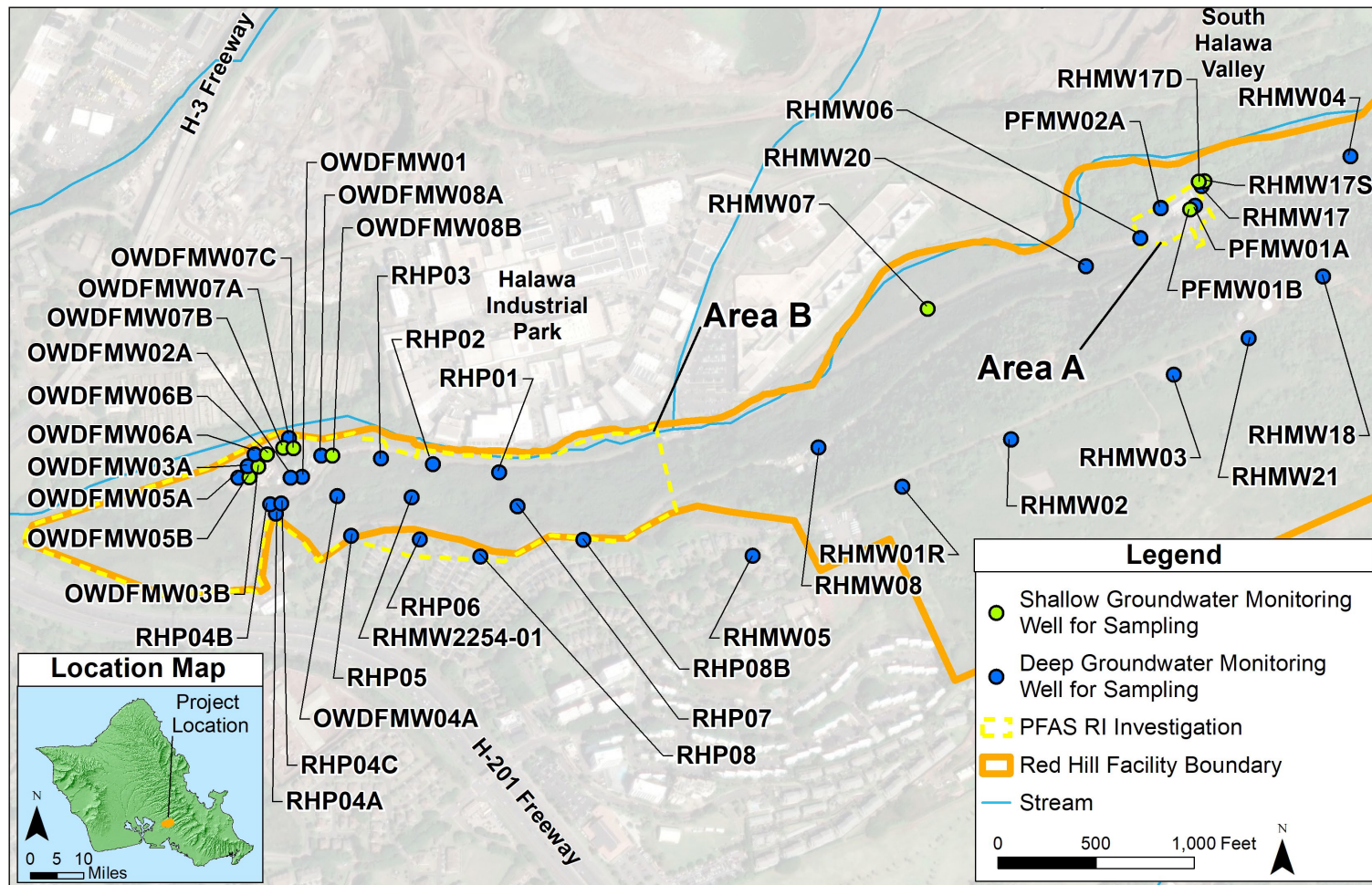
→ Laboratory Data Validation Reports for Groundwater Monitoring Data (Quarters 1-4)

Reports and Documents

- USFWS Comments on Revised Draft RI WP PFAS Red Hill (April 2026)
- DOH Comments on Revised Draft RI WP PFAS Red Hill (March 2026)
- EPA Conditional Approval of the Revised Draft RI WP PFAS Red Hill (March 2026)
- Joint EPA and DOH Response to BWS Sampling Request (March 2026)
- Revised Draft PFAS Remedial Investigation Work Plan (February 2026)
- Letter to EPA DOH re Including Aiea Laundry MW-16 (January 2026)

<https://redhillern.com/pfas-remedial-investigation/>

Website Updates



PFAS = per- and polyfluoroalkyl substances; RI = remedial investigation



Five-Year Review Results

Joint Base Pearl Harbor-Hickam, Oahu, Hawaii

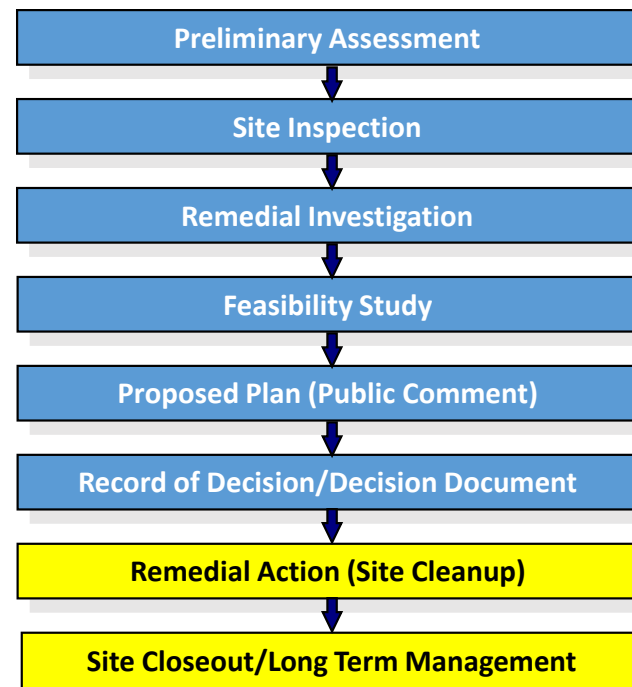
**Restoration Advisory Board Meeting
Naval Facilities Engineering Systems Command, Hawaii**

20 May 2026

Presentation Overview

- **Five-Year Review Background**
 - Purpose and Objectives
 - Components
- **Site Locations**
- **Selected Remedies**
- **Findings/Results – Protectiveness Determinations**
- **What's Next**

CERCLA Process



Five-Year Review Background – Purpose and Objectives

- **Why is a Five-Year Review Required?**
- **CERCLA Section 121 [42 U.S.C. 9621] (c)**
 - If ... a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site ... review such remedial action no less often than each 5 years ... to assure that human health and the environment are being protected ...
- **NCP 40 CFR §300.430(f)(4)(ii)**
 - If a remedial action ... results in hazardous substances, pollutants, or contaminants remaining ... above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after initiation of the selected remedial action
- **DERP Manual Chapter 4 b.(14)(a)**
 - Five-year reviews are required by subpart 300.430(f)(4)(ii) of NCP if a selected remedial action results in any hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure ... periodic reviews are good practice to ensure ... remedy remains protective of human health and the environment ... DoD may conduct periodic reviews ... similar to five-year reviews under other environmental restoration authorities

CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; DERP = Defense Environmental Restoration Program; DoD = Department of Defense; NCP = National Contingency Plan; U.S.C. = United States Code

Five-Year Review Background – Purpose and Objectives

- **Background:** A Five-Year Review was conducted at Joint Base Pearl Harbor-Hickam because:
 - The sites contain residual chemicals from past releases that are above cleanup levels
 - Land use controls were implemented as part of the remedy to prevent people and the environment from being exposed
- **Purpose:** To evaluate whether the remedy remains protective of people and the environment
- **Objective:** If any issues are found that reduce protectiveness of the remedy, recommendations are made to correct those issues



Naval Facilities Engineering Systems Command Hawaii
JBPHH HI

Final
**Third Five-Year CERCLA Review
of Pearl Harbor Naval Complex
National Priorities List Sites**
JOINT BASE PEARL HARBOR-HICKAM OAHU HI

JBPHH PEARL HARBOR HI SITES 8, 19, 55, 52
NAVFAC HAWAII P HARBOR SITE 34
PEARL HARBOR HI NSY SITES 41, 42
NMC EAD DET PEARL HARBOR SITES 3, 19
PEARL HARBOR HI FISC SITE 39

PHNC National Priorities List Site

September 2025

Distribution Statement A. Approved for public release; distribution is unlimited.

Five-Year Review Background – Components

- **Five-Year Reviews were conducted for:**

- 10 NPL Sites
- 13 Non-NPL Sites
- 13 Non-NPL Petroleum-Only Sites

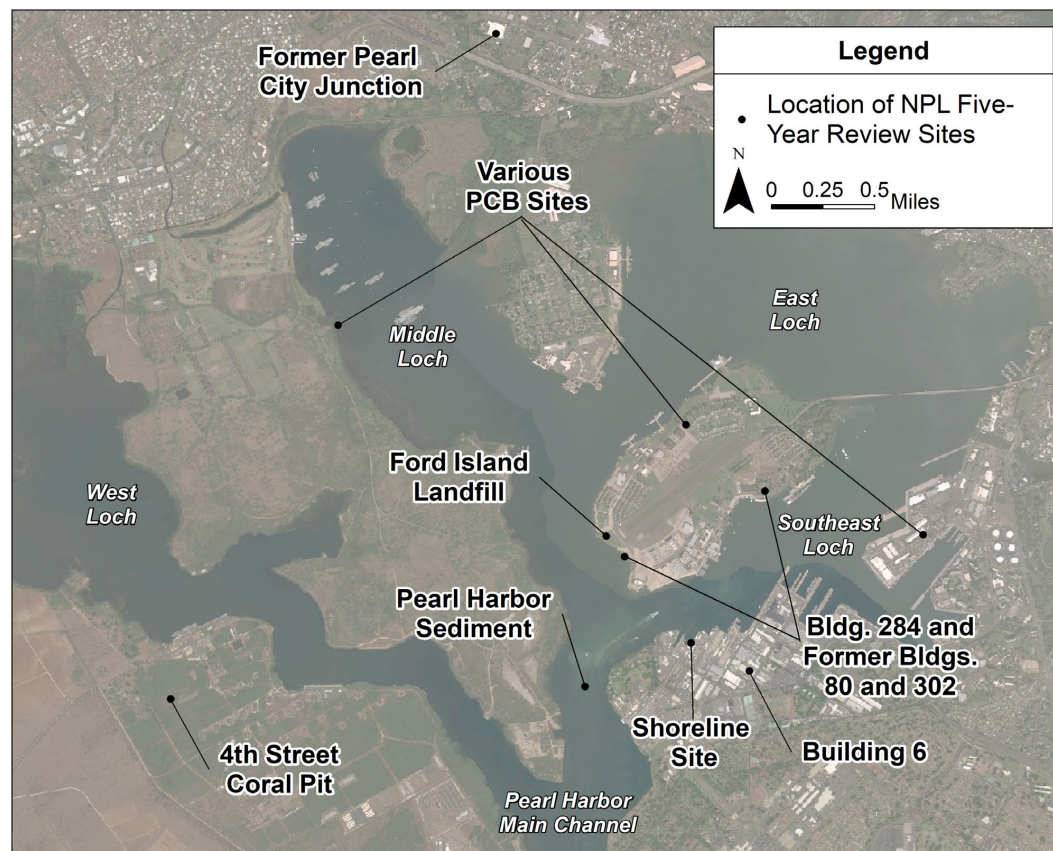
- **Five-Year Reviews include:**

- Community Involvement and Notification
- Document Review
- Data Review and Analysis
- Site Inspection
- Interviews
- Protectiveness Determination

Technical Assessment Questions

- A. Is the remedy functioning as intended by the decision documents?
- B. Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used at the time of the remedy selection still valid?
- C. Has any other information come to light that could call into question the protectiveness of the remedy?

Site Locations – NPL Sites



Bldg. = building; NPL = National Priorities List; PCB = polychlorinated biphenyl

Selected Remedies – NPL Sites

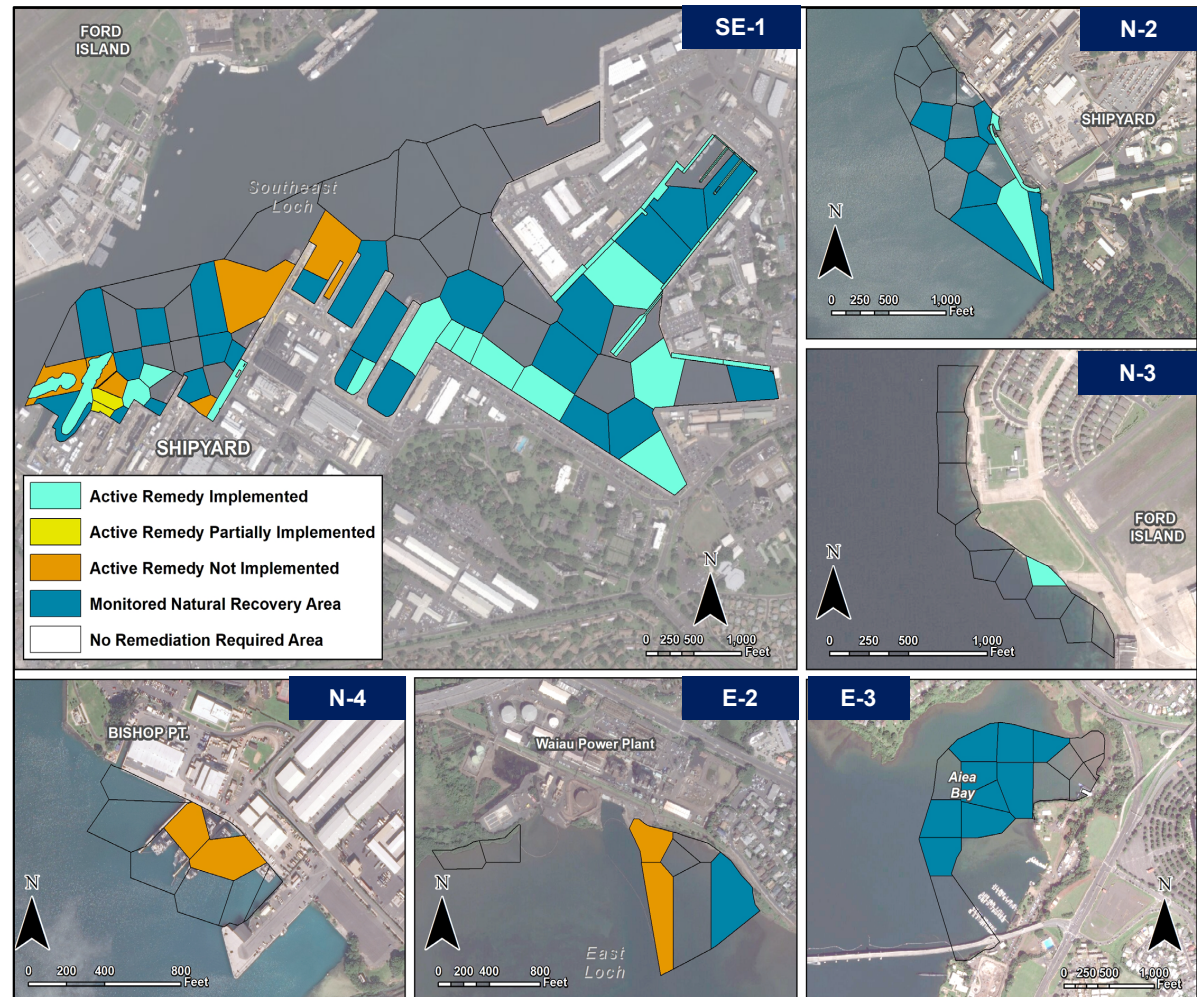
Site Name	Land Use Controls (Institutional Controls, Signage, Notices, and Inspections)	Long-Term Monitoring	Engineering Controls	Removal Action	Soil Vapor Sampling	Protectiveness Determination
Pearl Harbor Sediment	x					Will Be Protective
Former Pearl City Junction	x			x		Protectiveness Deferred
Shoreline Site	x		x	x		Protective
Bldg. 284	x	x	x	x		
Former Bldg. 80	x	x	x	x		
Former Bldg. 302	x	x	x	x		
Various PCB Sites	x		x	x		
Ford Island Landfill	x	x	x		x	
Bldg. 6	x		x	x		
4th Street Coral Pit	x					

Bldg. = building; NPL = National Priorities List; PCB = polychlorinated biphenyl

Findings/Results – NPL Sites Protectiveness Determinations

• Pearl Harbor Sediments: *Will Be Protective*

- The selected remedy has not been fully implemented
- Institutional Controls already in place provide some level of protectiveness
 - Site access and site use restrictions
 - Seafood consumption advisory
 - Environmental review of construction projects



NPL = National Priorities List

Findings/Results – NPL Sites Protectiveness Determinations

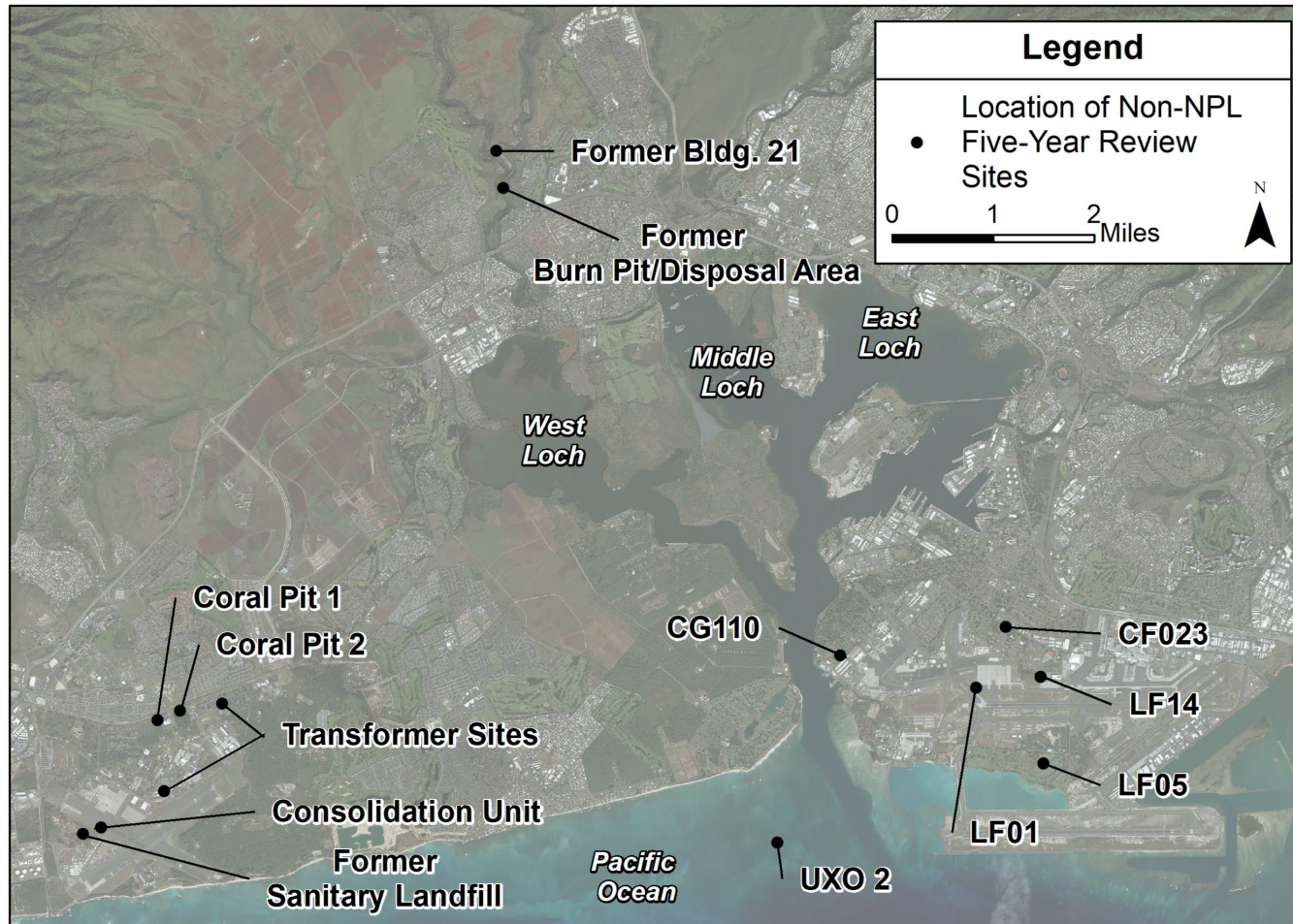
- **Former Pearl City Junction:**
Protectiveness Deferred

- The remedy cannot be considered protective until further information is obtained
- Documentation needed from current property owners to verify that the remedy is working
- Navy is working with Real Estate Division and property owners



Bldg. = building; LUC = land use control; NPL = National Priorities List

Site Locations – Non-NPL Sites



Bldg. = building; NPL = National Priorities List

Selected Remedies – Non-NPL Sites

Site Name	Land Use Controls	Fencing and/or Signage	Long-Term Monitoring	Groundwater and/or Soil Treatment	Waste Containment	Removal Action	Educational Materials	Five-Year Review Protectiveness Determination
Former Burn Pit/ Disposal Area *						x		Not Applicable
Landfill 1 (LF01)	x							Protectiveness Deferred
Former Tri-Services Landfill (LF05)	x		x	x	x	x		Protective
Landfill 2 (LF14)	x	x						
Aircraft Maintenance/Carburetor Cleaning Area (CG110)	x							
Former Mess Hall (CF023)	x							
NDSA Munitions Response Site (UXO 2)	x	x					x	
Coral Pit 1	x							
Coral Pit 2	x							
Sanitary Landfill	x	x	x		x			
Consolidation Unit	x		x		x			
Transformer Sites	x	x			x			
Former Building 21	x		x (MNA)					

Note:

* Former Burn Pit/ Disposal Area is not applicable because additional remedial action was completed, and the site was recommended for unrestricted use. Based on the State of Hawaii Department of Health's concurrence, no further five-year reviews are necessary.

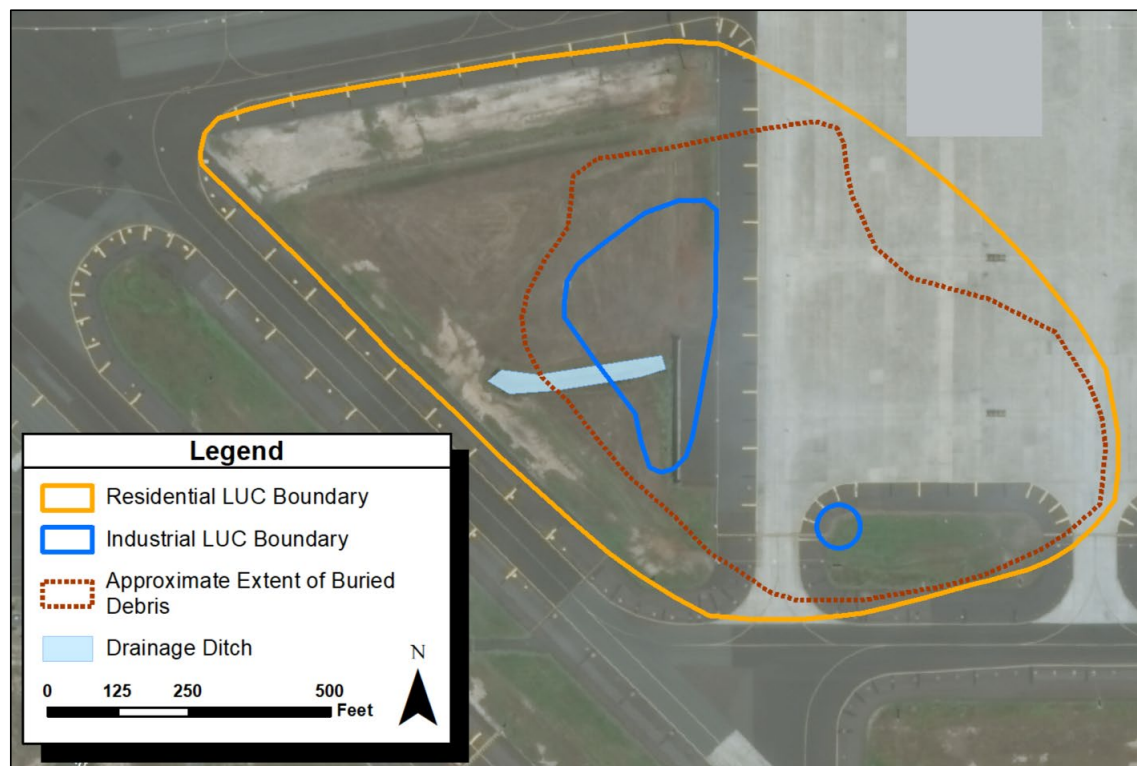
MNA = monitored natural attenuation; NDSA = Naval Defensive Sea Area; NPL = National Priorities List; UXO = unexploded ordnance

Findings/Results – Non-NPL Sites Protectiveness Determinations

- Landfill LF01 (Hickam):

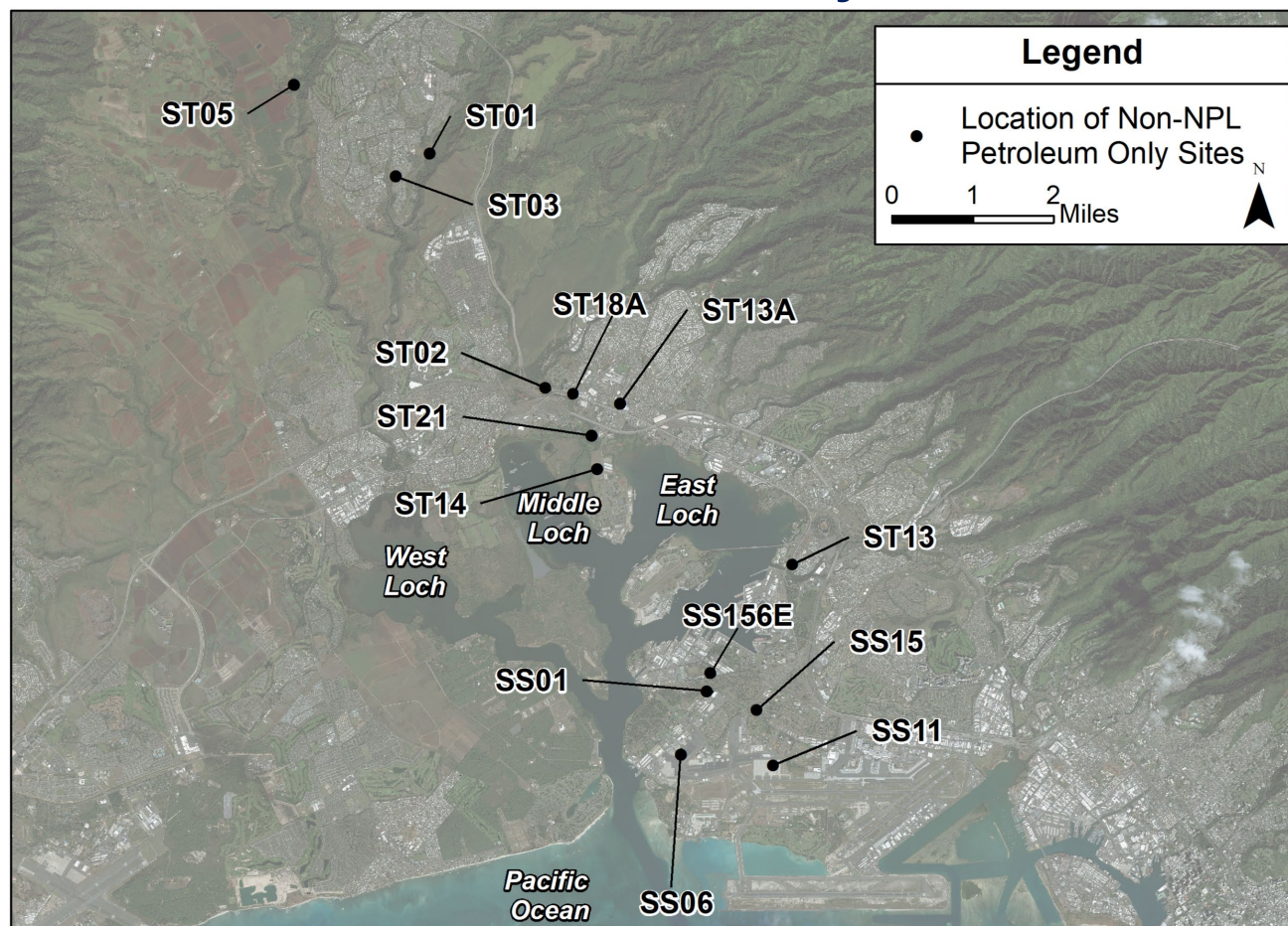
- Protectiveness Deferred*

- 2013: Soil stockpiles were identified in the five-year review that were not addressed prior to the remedy being chosen
 - 2014: Sampled these stockpiles for lead, and results were below screening levels
 - 2023: Navy and DOH agreed that the Navy will conduct further sampling for additional chemicals that could remain in surface soil after soil stockpiles were removed
 - Protectiveness will be updated at the conclusion of the resampling and subsequent risk evaluation
 - 2026: Resampling project will be awarded



DOH = Department of Health, State of Hawaii; LUC = land use control; NPL = National Priorities List

Site Locations – Non-NPL Petroleum-Only Sites



NPL = National Priorities List

Selected Remedies – Non-NPL Petroleum-Only Sites

Site Name	Land Use Controls	Fencing and/or Signage	Long-Term Monitoring	Groundwater and/or Soil Treatment	Removal Action	Protectiveness Determination
Site ST02 (ST02)	x		x			Protectiveness Deferred
Site ST14 (ST14) *	x	x	x			Not Applicable
Spill Site 01 (SS01)	x		x			Protective
Spill Site 06 (SS06)	x		x			
Spill Site 11 (SS11)	x		x			
Spill Site 15 (SS15)	x		x			
Spill Site 156E (SS156E)	x		x			
Site ST18A (ST18A)	x		x			
Site ST13 and ST13A (ST13)	x					
Chevron Valve Pit (ST21)	x					
Kipapa Fuel Storage Annex (ST01)	x	x	x		x	
Site ST03 (ST03)	x		x	x		
Site ST05 (ST05)	x	x				

Note:

* Site ST14 is being managed as part of the former Pearl City Fuel Annex, which is currently undergoing a remedial investigation.

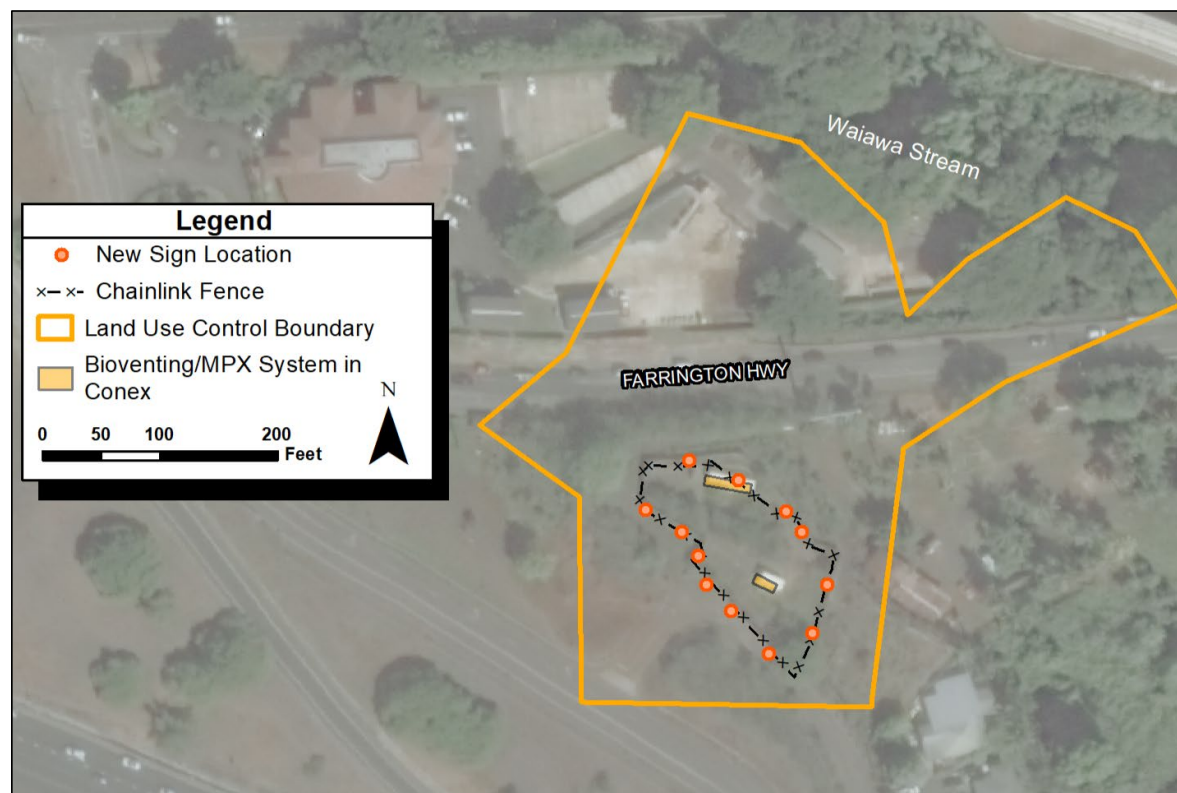
NPL = National Priorities List

Findings/Results – Non-NPL Petroleum Sites Protectiveness Determinations

- **ST02 Waiawa Fuel Booster Pump (Pearl City):**

Protectiveness Deferred

- Groundwater monitoring data suggest that the petroleum plume is stable, but may not be fully delineated
- The Navy plans to discuss the need for additional sampling with the Department of Health
- The Navy will prepare an environmental hazard evaluation/ environmental hazard management plan



MPX = multi-phase extraction; NPL = National Priorities List

What's Next

- **Follow-up actions:**

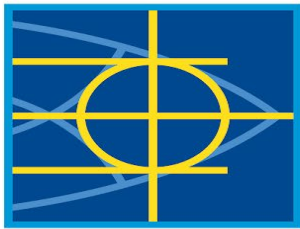
- Pearl Harbor Sediment*: Complete remedy implementation
- Former Pearl City Junction*: Coordinate with current landowners to confirm that the remedy is working as intended
- Landfill LF01*: Re-sample surface soil for additional chemicals
- ST02 Waiawa Fuel Booster Pump*: Discuss need for additional groundwater sampling with the Department of Health and prepare an environmental hazard evaluation/environmental hazard management plan

- **Continue conducting annual LUC inspections and long-term monitoring for applicable sites**

- **Next five-year review:**

- NPL Sites*: 2029
- Non-NPL Sites and Non-NPL Petroleum-Only Sites*: 2030

LUC = land use control; NPL = National Priorities List



NAVFAC

Naval Facilities Engineering Systems Command

Questions?

For more information/comments:

Contact:

Public Affairs Officer
Naval Facilities Engineering Systems Command, Hawaii

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ATTN: PUBLIC AFFAIRS OFFICER CODE 09PAO
400 MARSHALL ROAD
JBPHH HI 96860-3139

Phone: 808-471-7300

Fax: 808-474-5479

Email: NFHI_PAO_DL@us.navy.mil

Administrative Record (AR) is the official repository
for environmental restoration sites



NEW → <https://administrative-records.navfac.navy.mil/?PT673QGN73LU3G7QQO>

Five-Year Review reports and fact sheets are available at the
University of Hawaii at Manoa's Hamilton Library, Aiea Public
Library, Pearl City Public Library, and Ewa Beach Public and
School Library

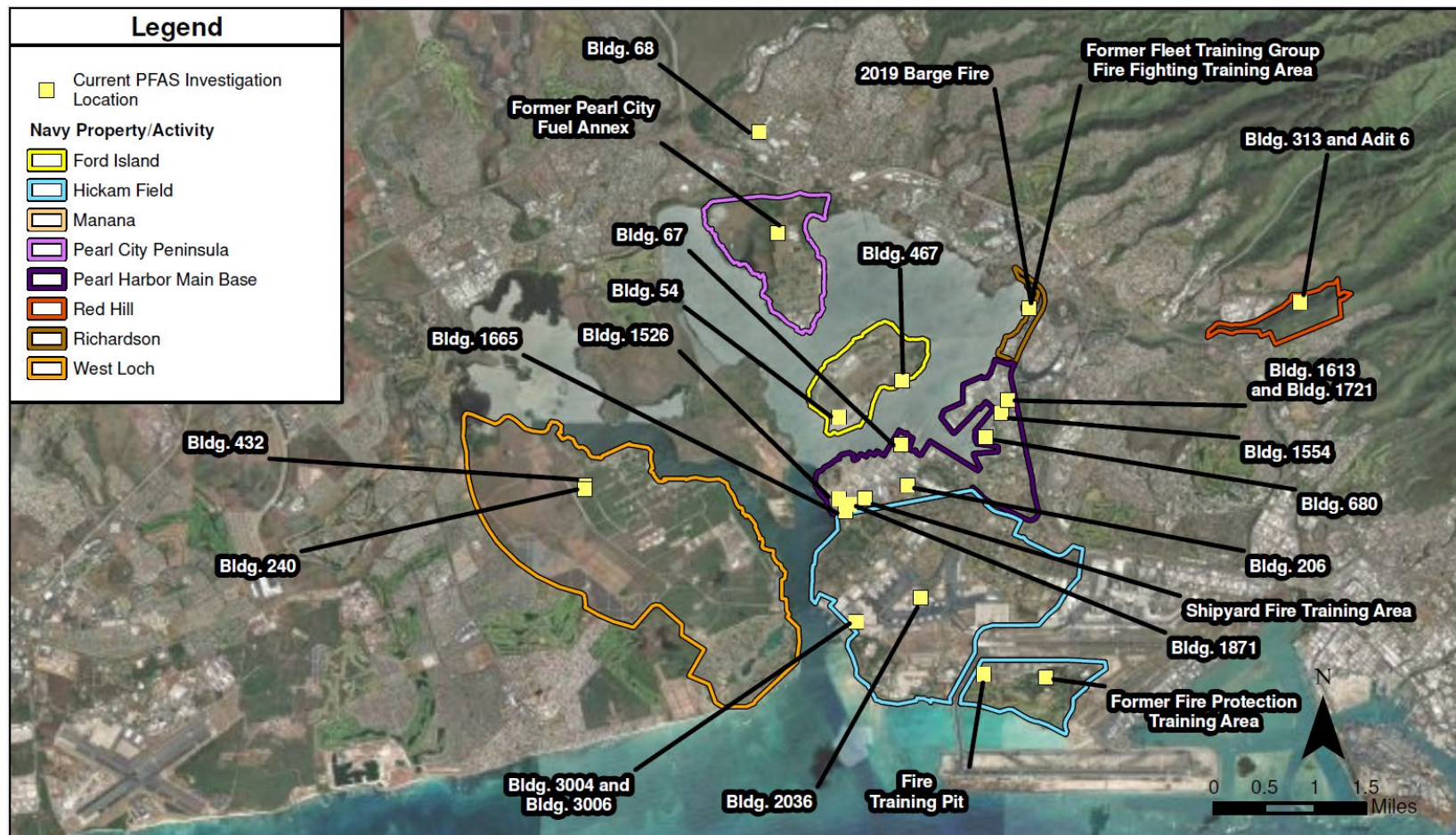


Per- and Polyfluoroalkyl Substances Investigations Update

Restoration Advisory Board Meeting
Naval Facilities Engineering Systems Command, Hawaii

20 May 2026

Locations of Other PFAS Investigations



Bldg. = building; PFAS = per- and polyfluoroalkyl substances

Status of Other PFAS Investigations

Site Description	Navy Property/Activity	Start of PFAS Remedial Investigation	Scoping Meeting	Work Plan Review	Field Work *
Bldg. 1871 Former Industrial Waste Treatment Plant	JBPHH Main Base (Pearl Harbor)	AUG 2016 (Initial award for PFAS investigation during FS sampling)	NOV 2027	--	--
Bldg. 1613 and Bldg. 1721	JBPHH Main Base (Pearl Harbor)	APR 2024	JAN 2026	MAY 2026	--
Bldg. 1554	JBPHH Main Base (Pearl Harbor)	APR 2024	JAN 2026	MAY 2026	--
<i>Bldg. 680</i>	<i>JBPHH Main Base (Pearl Harbor)</i>	<i>JUL 2024</i>	<i>AUG 2026</i>	--	--
Bldg. 67 Former Plating Facility	JBPHH Main Base (Pearl Harbor)	MAR 2024	JAN 2026	APR 2026	--
Bldg. 206	JBPHH Main Base (Pearl Harbor)	JUL 2025	OCT 2026	--	--
<i>Bldg. 1526</i>	<i>JBPHH Main Base (Pearl Harbor)</i>	<i>AUG 2016</i>	<i>NOV 2027</i>	--	--
<i>Bldg. 1665</i>	<i>JBPHH Main Base (Pearl Harbor)</i>	<i>SEP 2025</i>	<i>JUL 2026</i>	--	--
<i>Shipyard Fire Training Area</i>	<i>JBPHH Main Base (Pearl Harbor)</i>	<i>SEP 2025</i>	<i>JUL 2026</i>	--	--

Notes:

* Field work schedule is subject to change depending on regulatory review of the work plan.

Italicized rows are areas where initial PFAS site inspection sampling needs to be done before it moves to a Remedial Investigation.

Bldg. = building; JBPHH = Joint Base Pearl Harbor-Hickam; PFAS = per- and polyfluoroalkyl substances

Status of Other PFAS Investigations (continued)

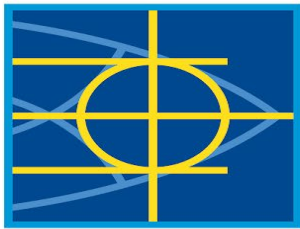
Site Description	Navy Property/Activity	Start of PFAS Remedial Investigation	Scoping Meeting	Work Plan Review	Field Work *
Bldg. 3004 and Bldg. 3006	JBPHH (Hickam Field)	AUG 2025	DEC 2026	--	--
Former Fire Protection Training Area and Fire Training Pit	JBPHH (Hickam Field)	OCT 2028	--	--	--
Bldg. 2036	JBPHH (Hickam Field)	AUG 2025	DEC 2026	--	--
Former Fleet Training Group Fire Fighting Training Area	Richardson	JUL 2024	SEP 2026	--	--
2019 Barge Fire	Richardson	JUL 2024	SEP 2026	--	--
Former Pearl City Fuel Annex	Pearl City Peninsula	MAY 2020	APR 2025	OCT 2025	-
Bldg. 240	West Loch	JUL 2025	OCT 2026	--	--
Bldg. 432	West Loch	JUL 2025	OCT 2026	--	--
Bldg. 313 and Adit 6	Red Hill Bulk Fuel Storage Facility	AUG 2023	SEP 2025	MAR 2026	JUL 2026
<i>Bldg. 54 Former Hangar</i>	<i>Ford Island</i>	<i>JUL 2024</i>	<i>AUG 2026</i>	--	--
Bldg. 467	Ford Island	JUL 2025	OCT 2026	--	--
<i>Bldg. 68</i>	<i>Manana</i>	<i>July 2024</i>	<i>Aug 2026</i>	--	--
Sediment from Upland Sites	Various Locations in Pearl Harbor	July 2024	March 2026	--	--

Notes:

* Field work schedule is subject to change depending on regulatory review of the work plan.

Italicized rows are areas where initial PFAS site inspection sampling needs to be done before it moves to a Remedial Investigation.

Bldg. = building; JBPHH = Joint Base Pearl Harbor-Hickam; PFAS = per- and polyfluoroalkyl substances



NAVFAC

Naval Facilities Engineering Systems Command

Questions?

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Closing Remarks