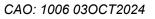
# Red Hill Site Assessment, Investigation, and Remediation



## 09 OCTOBER 2024 CLASSIFICATION

## UNCLASSIFIED





# **Remediation Actions Schedule**

Planning Installation / Field Work Monitoring Remediation Closeout / Reporting As of 01 OCT

Monitoring and Sampling Efforts	JUL-DEC	JAN-JUI		JAN-JUN	JUL-DEC		N-JUN	JUL-DE		I-JUN	JUL-DEC	Effort
Groundwater Sampling	2021	2022	2022	2023	2023	2	2024	2024	20	025	2025	Continues
				0 000 000 000 000 000 000 000 000 000 000								
Below Tank Soil Vapor Monitoring (18 Tanks)	r											
Nonitoring Well Expansion Program (22 new GW wells)												new in progress
Iniversity of Hawaii Halawa Stream Ecological Monitoring							Σ.	UH Eco	logical Mo	nitoring	Extension	
Site Assessment Efforts												
Adit 3 Site Characterization	]		ompleted Hold/Leach Ta		Submitted OU-1	SCR			СНТ	Tank Investi	igation	
nc. soil vapor monitoring; remote operated vehicles; induced lectro-resistivity, induced polarity, & ground penetrating radar)		RÖV Survey ER/IP Study	ROV Survey	GPR Study								
Natural Source Zone Depletion Study					n submitted to on 22 FEB 2023		RA Co Receiv	mments ved				
Site Assessment Work Plan Development (Phase 1) inc. assessment of historical releases at the Red Hill Facility; letermines presence of historical releases; and develops specific emediation strategies.)					Contract Awar Plan Developn	d for Wor nent		Site Assess Plan Submi ng Sessions DOH)		vard for		mpletion: Dec 20
Remediation Efforts												
Red Hill Shaft GAC / Capture Zone	Flow Optimization Study GAC Flow Reduction (*60% water use reduction) (saves 876 million gallons annually)									euse Connection		
Red Hill Shaft Direct Recovery (Skimming / Absorbents)	r		utomated skimming, vice		. (~60% water u:	se reducti	on) 🔀 (save	es 876 million g	allons annually)			
Holding Tank and Leach Field Excavation at Adit 3	L			Closure R	eport Provided to		<b>≁</b>	DOH Commen Received	s			
Soil Vapor Extraction (SVE) Pilot Study at Adit 3	[			EPA/DOF	SVE Cond	itional				art of Deep /E Pilot Stud		
Adit 6 AFFF Release / PFAS Remediation			[					not study				
Modeling Efforts												
Groundwater Modeling		*	1odel Disapproval (EPA/I	ООН)	Best Available S	ubmission	1		Proje	ected Fi	inish: Sept 20	)24
Iniversity of Hawaii Groundwater Modeling												
U = Operational Unit   SCR = Site Characterization Report						FF-RH fueling						

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\*\* Subject to change – dependent on predecessor activity progress, environmental permitting, real estate agreements and negotiations, resource availabilities, and prior activity data interpretation.

### UNCLASSIFIED

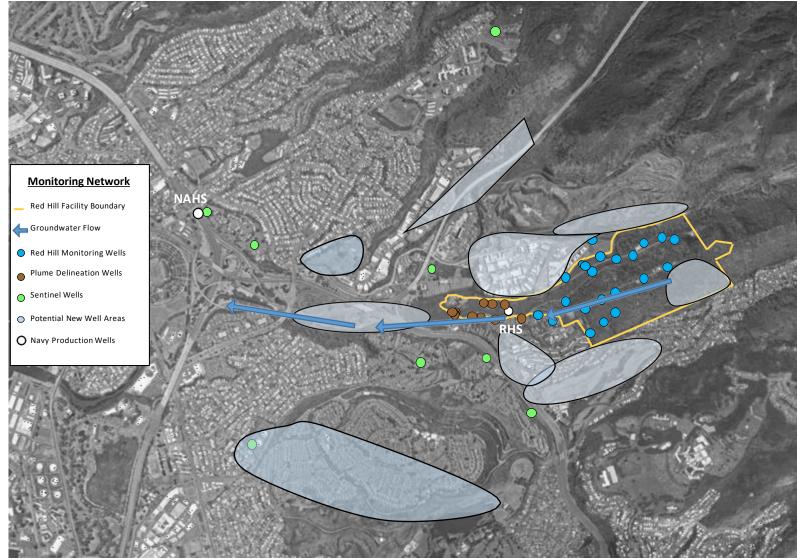
# Additional Groundwater Wells

#### SAFE. DELIBERATE. ENGAGED. COMMITTED.

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RED HILL

CAO: 020CT24



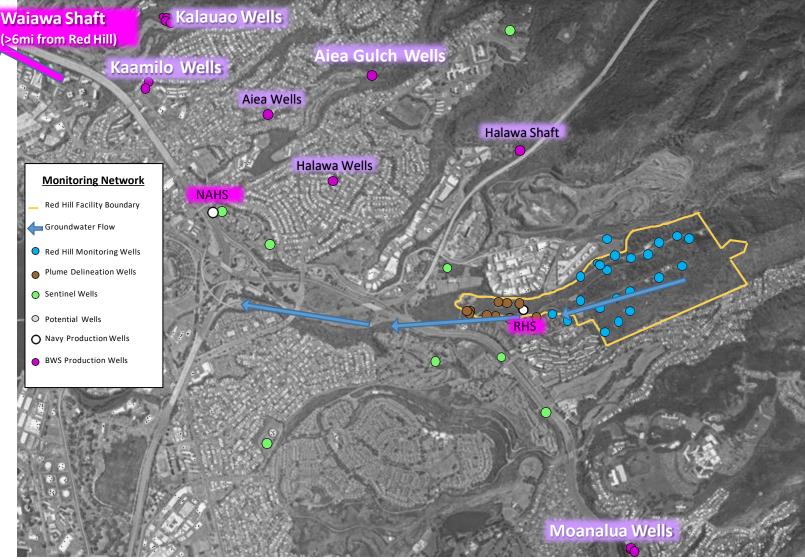
## Navy and BWS Production Wells

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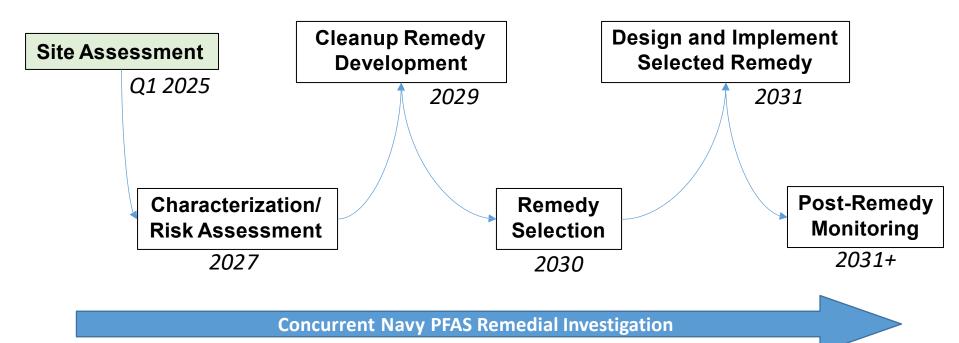
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## Environmental Remediation Process

SAFE. DELIBERATE. ENGAGED. COMMITTED.



## Site Assessment Phase:

- Identifies presence or absence of contaminants to inform our clean-up efforts.
- A deliberate, data-driven process
- > Includes historical review, field investigation, sampling, pilot studies, and more

# **Additional Information**

SAFE. DELIBERATE. ENGAGED. COMMITTED.



### Joint Base Pearl Harbor-Hickam Safe Waters

jbphh-safewaters.org

- Ongoing information on Navy efforts regarding water on the island of Oahu
- Two primary areas: Drinking Water System & Red Hill Environmental Remediation



### Navy Closure Task Force - Red Hill

navyclosuretaskforce.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



### Navy Region Hawaii Facebook Page

facebook.com/NavyRegionHawaii

• Frequent updates & information about Joint Base Pearl Harbor-Hickam drinking water



### Joint Base Pearl Harbor-Hickam Facebook Page

facebook.com/JBPHH

- Features daily joint base water updates
- Imagery & resources related to water response efforts
- Infographics & information







