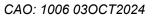
Red Hill Site Assessment, Investigation, and Remediation



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		≁	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						

SURE TAS

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

UNCLASSIFIED

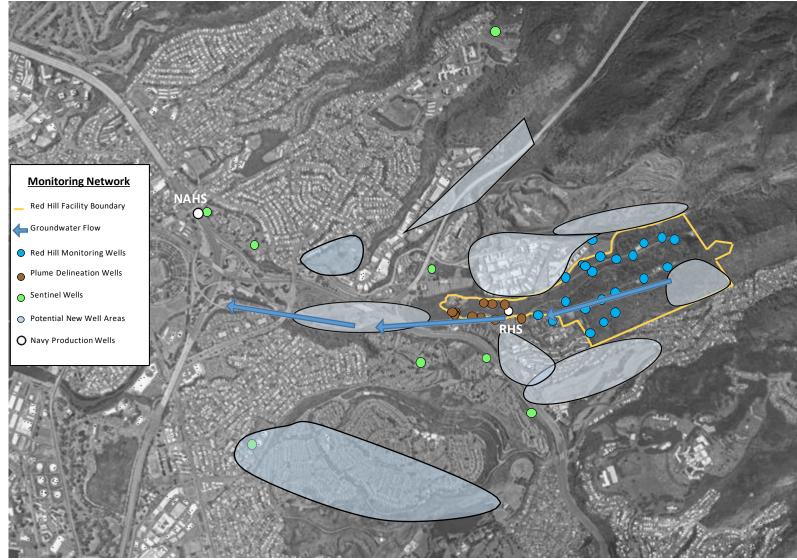
Additional Groundwater Wells

SAFE. DELIBERATE. ENGAGED. COMMITTED.

SURE TAS

RED HILL

CAO: 020CT24



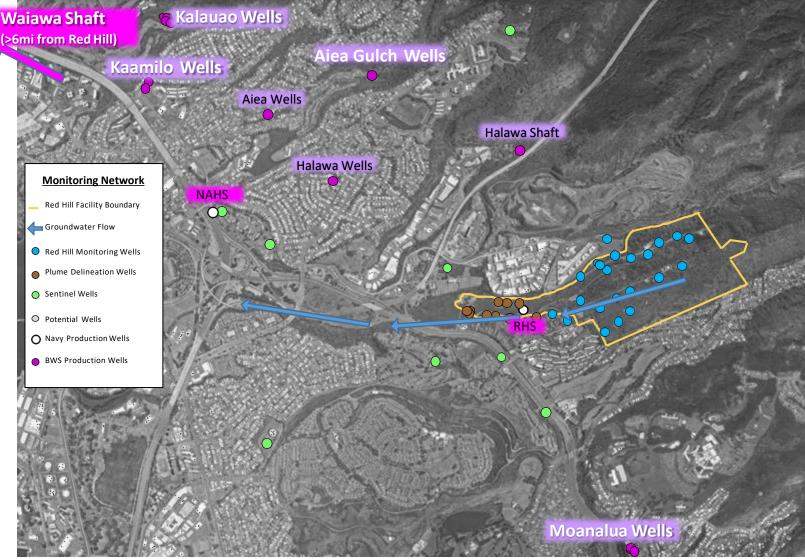
Navy and BWS Production Wells

SAFE. DELIBERATE. ENGAGED. COMMITTED.

SURE TA

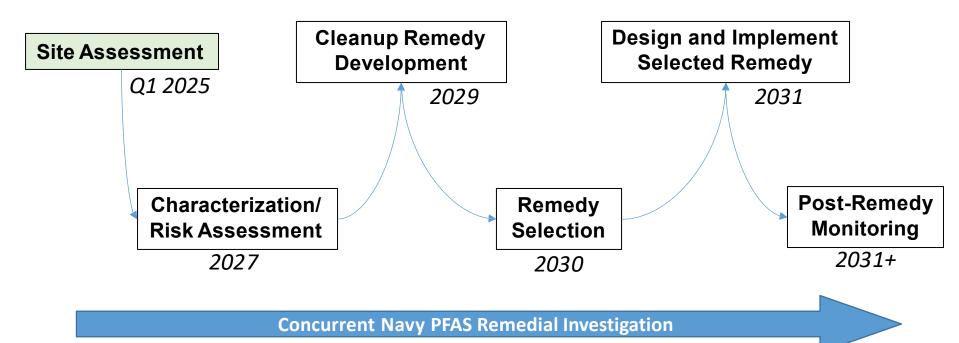
ED HIL

CAO: 020CT24



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







