



Committed To Aquifer Protection

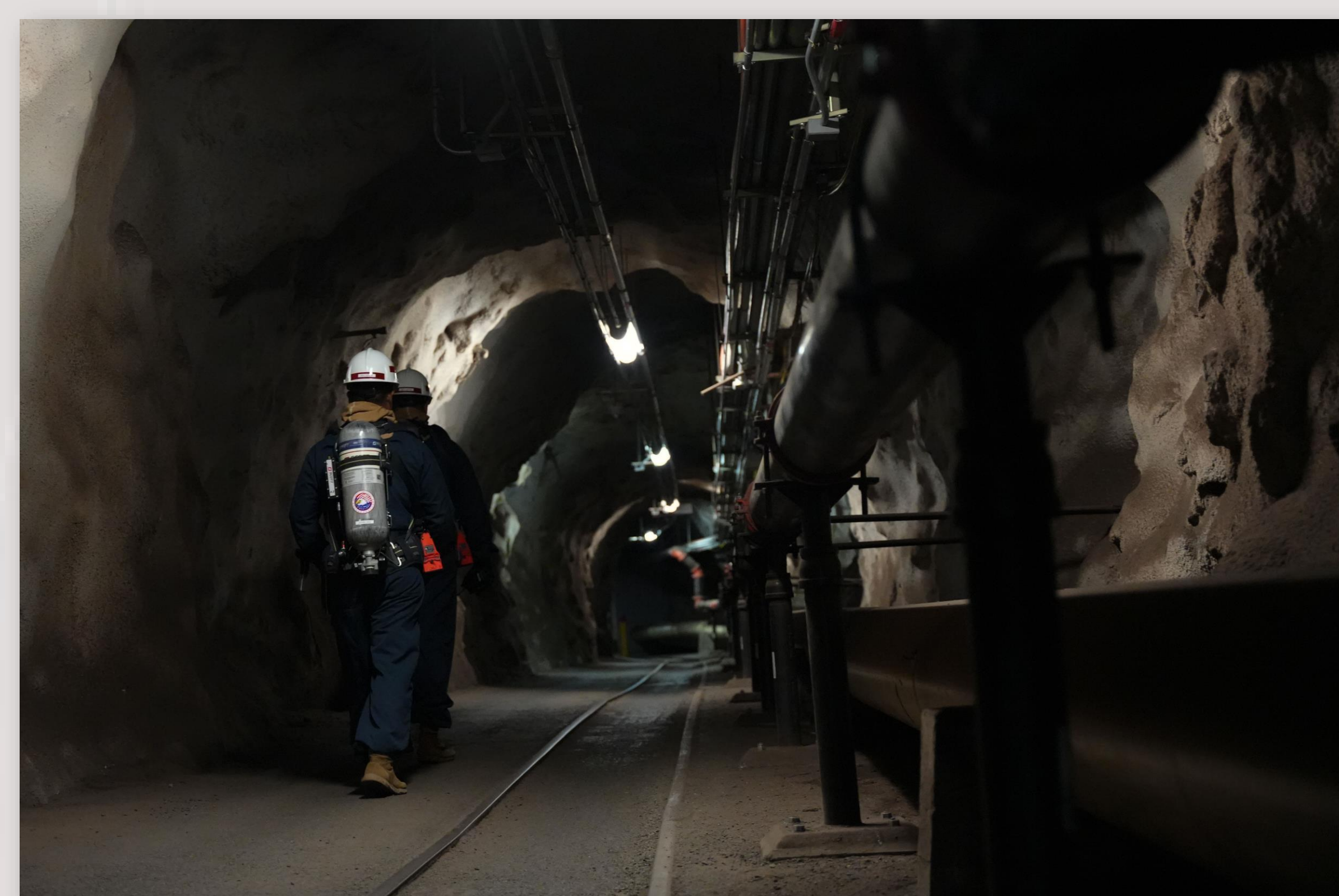
SAFE. DELIBERATE. ENGAGED. COMMITTED.



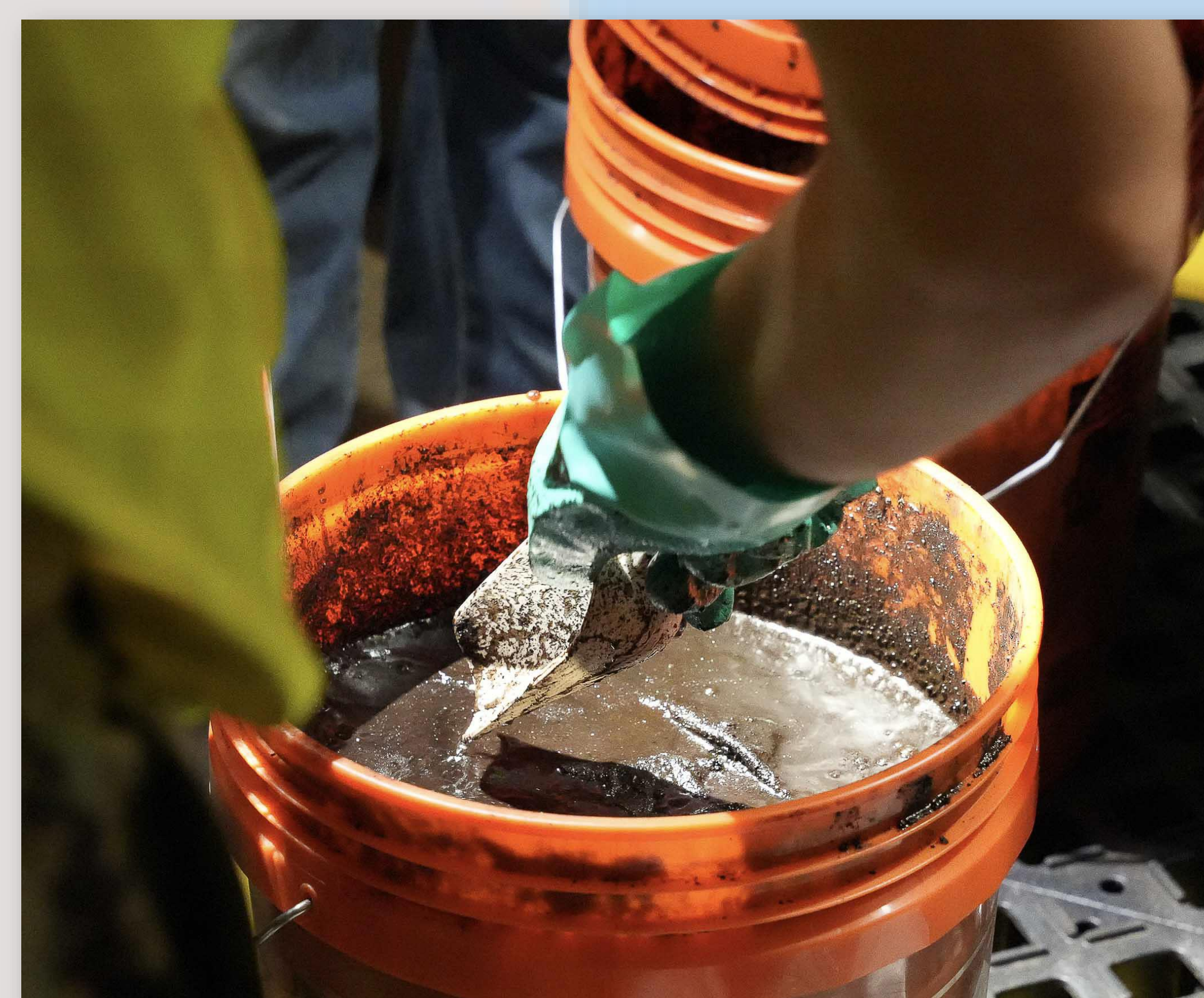
Fuel spill exercises, or *Spill Drills*, conducted with regulators prepare NCTF-RH and multiple responders to quickly and effectively **respond to incidents** to minimize impact to the environment.



A staff of committed military leaders and experienced civilian experts **working together**, learning lessons, and refining processes to ensure the safety of our community and the environment.



Red Hill “**Rovers**” constantly monitor the safety of the facility .



NCTF-RH **removes sludge** from each tank, eliminating a threat to the aquifer.



NCTF-RH **removed 1,013 gallons of AFFF** concentrate & transported it safely off island.

NCTF-RH is committed to long-term remediation and protecting the aquifer for generations to come.



Tank Cleaning And Closure: On-Schedule

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2024 Highlights



Submitted Tank Verification Plan: **Approved** by EPA 8/19/2024 & DOH 9/6/2024.



Safely Ventilated 4 Tanks and implemented 24/7 public notification of VOC levels.



Completed structural assessment & repairs of **4 Tanks**.



Safely removed 158 gal of sludge & 510 gal of residual fuel from **4 Tanks**.



Deliberately prepared **2 Tanks** for **pressure washing** and **3 Tanks** for **ventilation**.



Submit final closure certification of **4 Tanks** for regulatory approval.



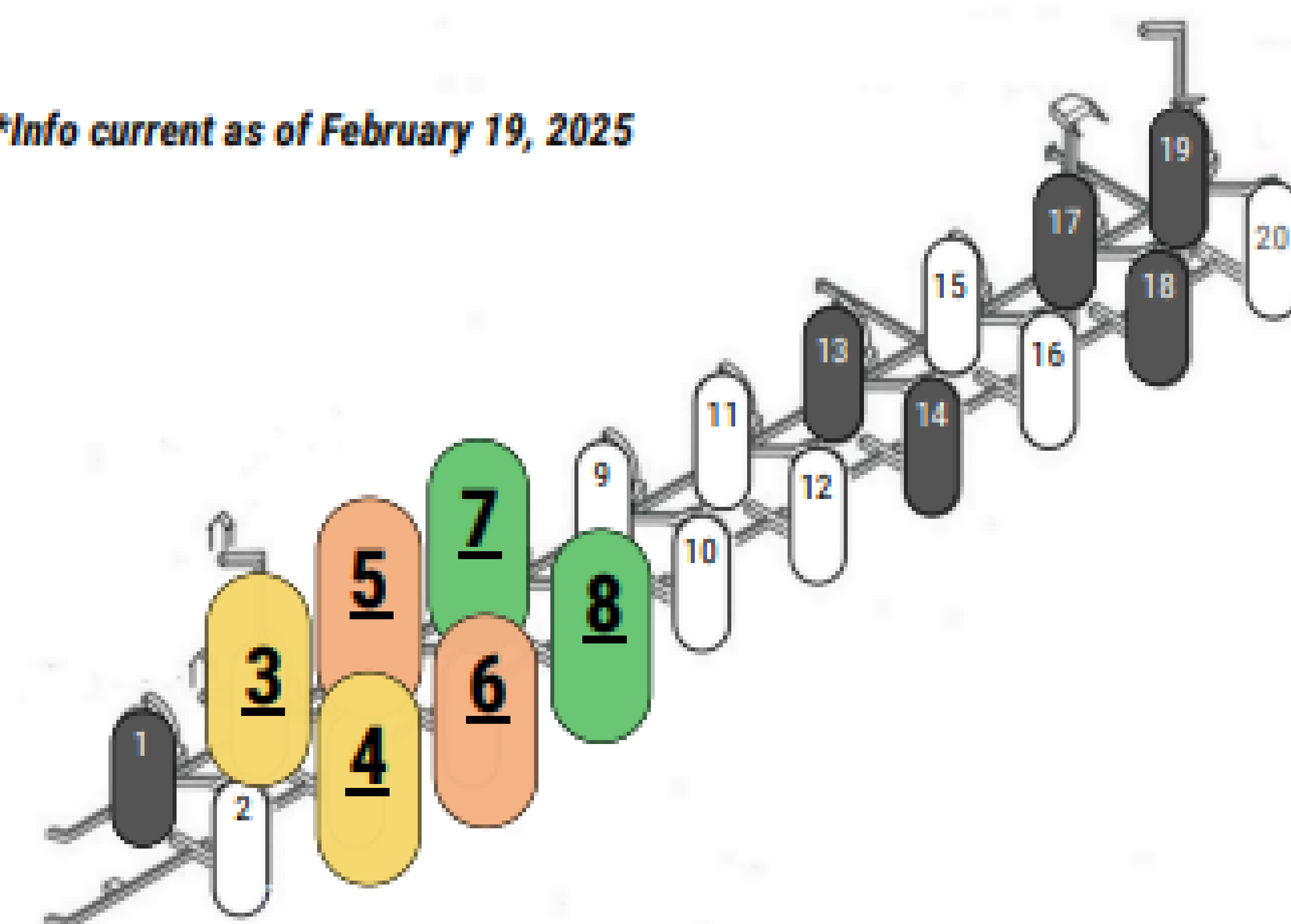
Ventilate **4 additional Tanks**; continuing air quality monitoring.



Prepare remaining **Tanks** for cleaning and closure process.

A Look Forward

**Info current as of February 19, 2025*



Step 1 – Preparation (Approx. 2-3 months):

- Isolate tank and disconnect piping
- Install tank ventilation equipment and inject water to soften sludge
- Remove flowable sludge
- Begin tank ventilation with forced air

Step 2 – Remove Solid Sludge (Approx. 2-3 months):

- Inspect and repair central tower and catwalk
- Install center tower elevator; load test tower and catwalk
- Remove solid sludge

Step 3 – Pressure Washing (Approx. 1-2 months):

- Set up pressure washing system and
- Pressure wash with 3% Simple Green
- Rinse, continuously removing rinsate
- Dry tank interior and validate cleanliness; submit cleaning report
- Receive regulatory agency final approval that tank is clean

Step 4 – Tank Decommission (Approx. 1-2 Months):

- Remove booms and infrastructure
- Install permanent lockable steel hatch at the entrance

NCTF-RH coordinates with regulators throughout the process, ensuring agreement on requirements for tank cleaning and decommissioning, and closure of the facility.

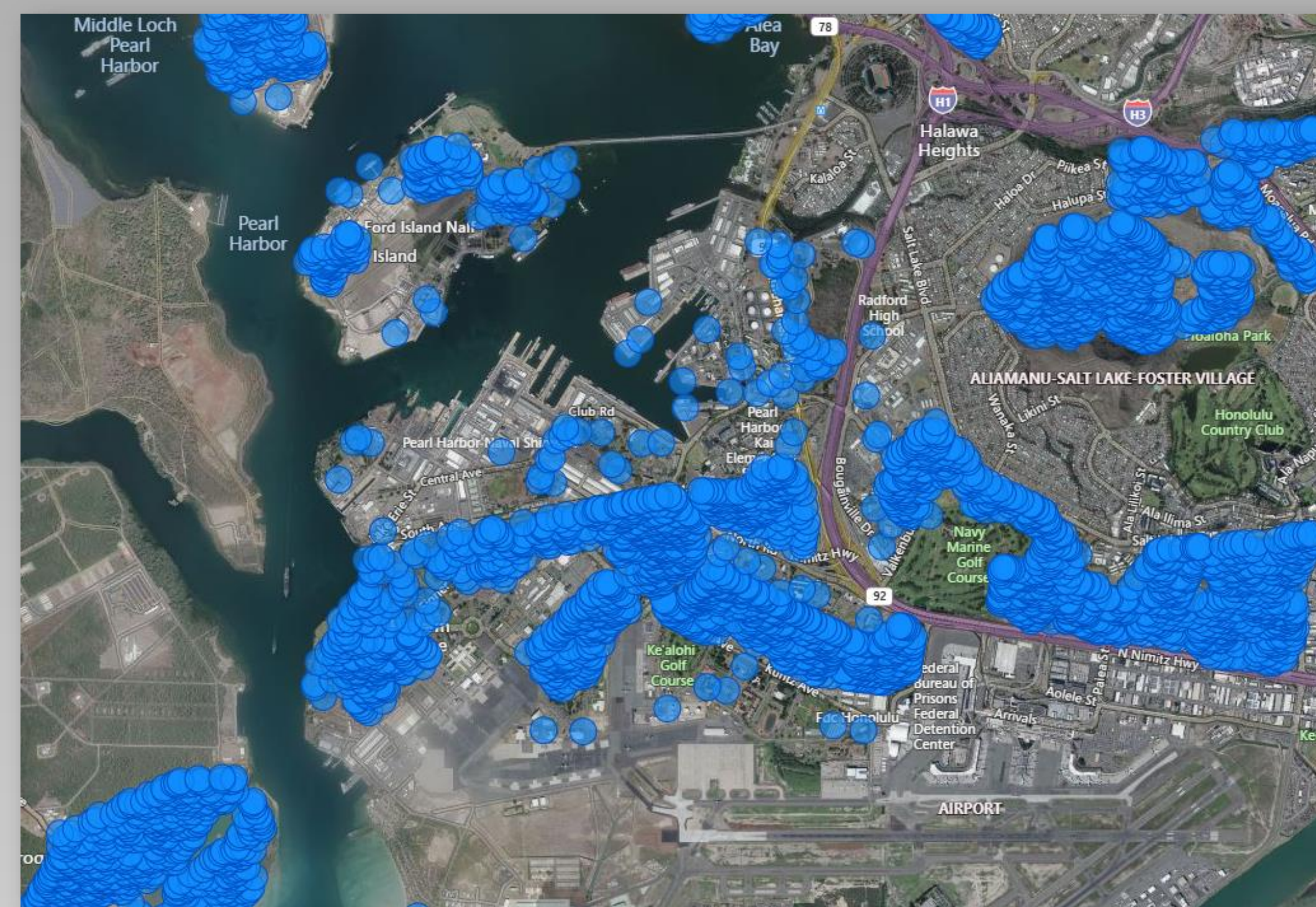


Delivering Safe Drinking Water

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2024 Highlights

Completed Long-Term Monitoring (LTM) and **began** Extended Drinking Water Monitoring (EDWM).



Established Water Quality Action Team to address water concerns.

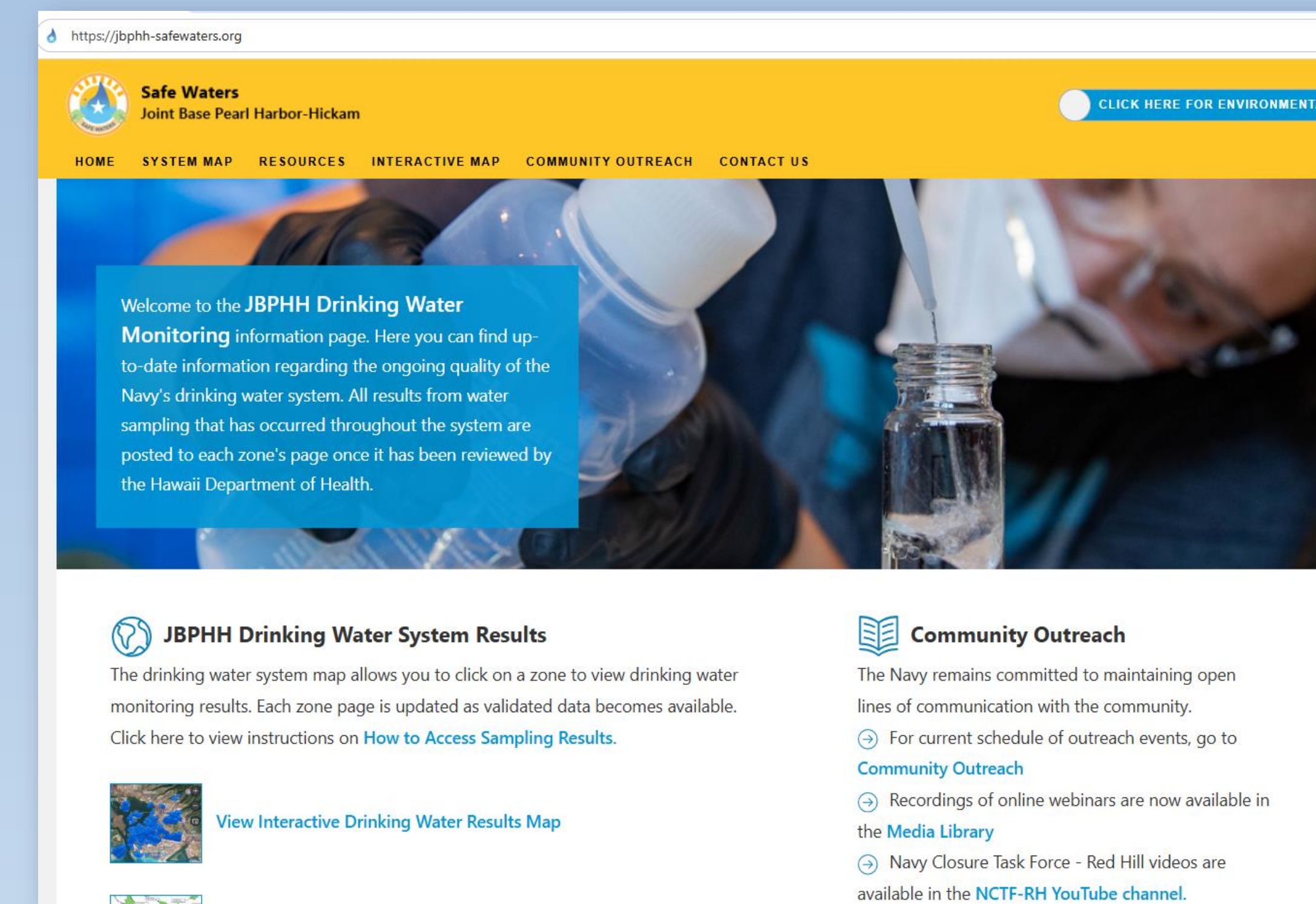


Continued monthly sampling of schools, childcare centers, childcare homes and medical clinics.



A Look Forward

Continue improvements and regular data updates to websites, allowing public access to information about the JBP HH drinking water system.



Continue Call Center and Water Quality Action Team to address water quality concerns.



Maintain Safe Drinking Water Act **compliance**. Continue routine sampling and monitoring.



JBP HH drinking water continues to meet all state and federal standards and remains safe to consume.

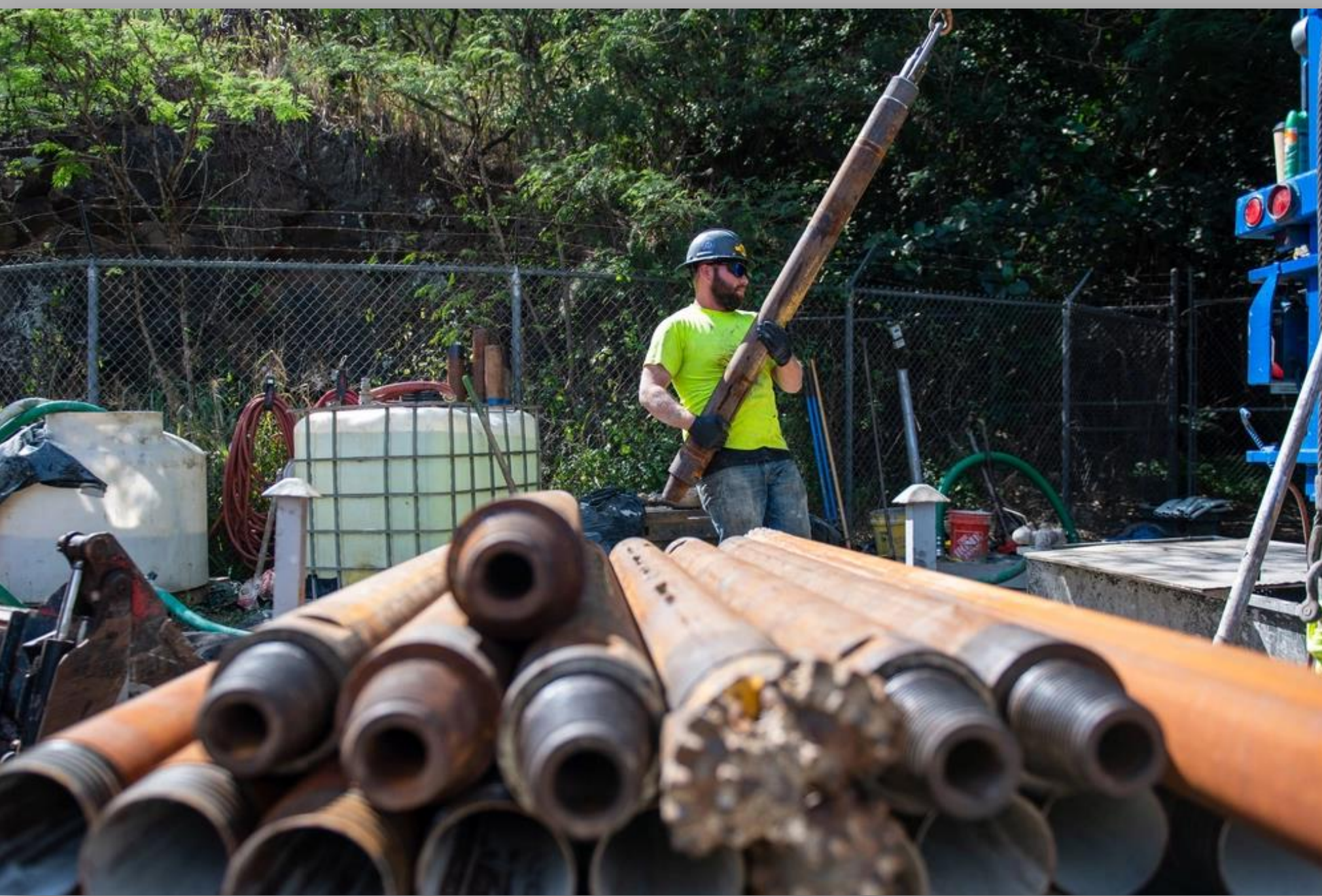


Groundwater Monitoring And Modeling

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2024 Highlights

A Look Forward



Expanded groundwater monitoring well network to 44 wells.



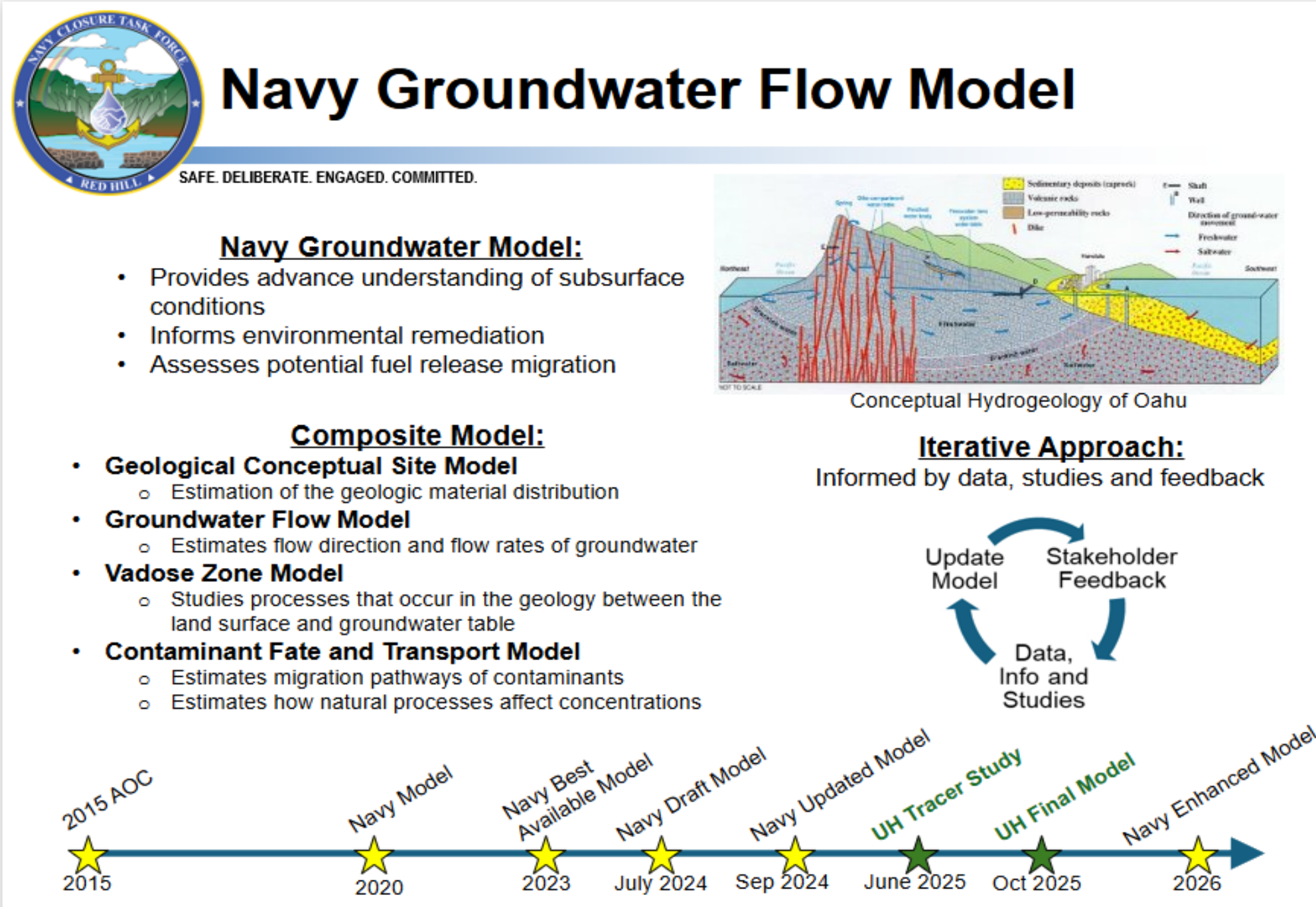
Identified potential locations for **new** monitoring wells.



Continuing to **drill and install** additional wells.



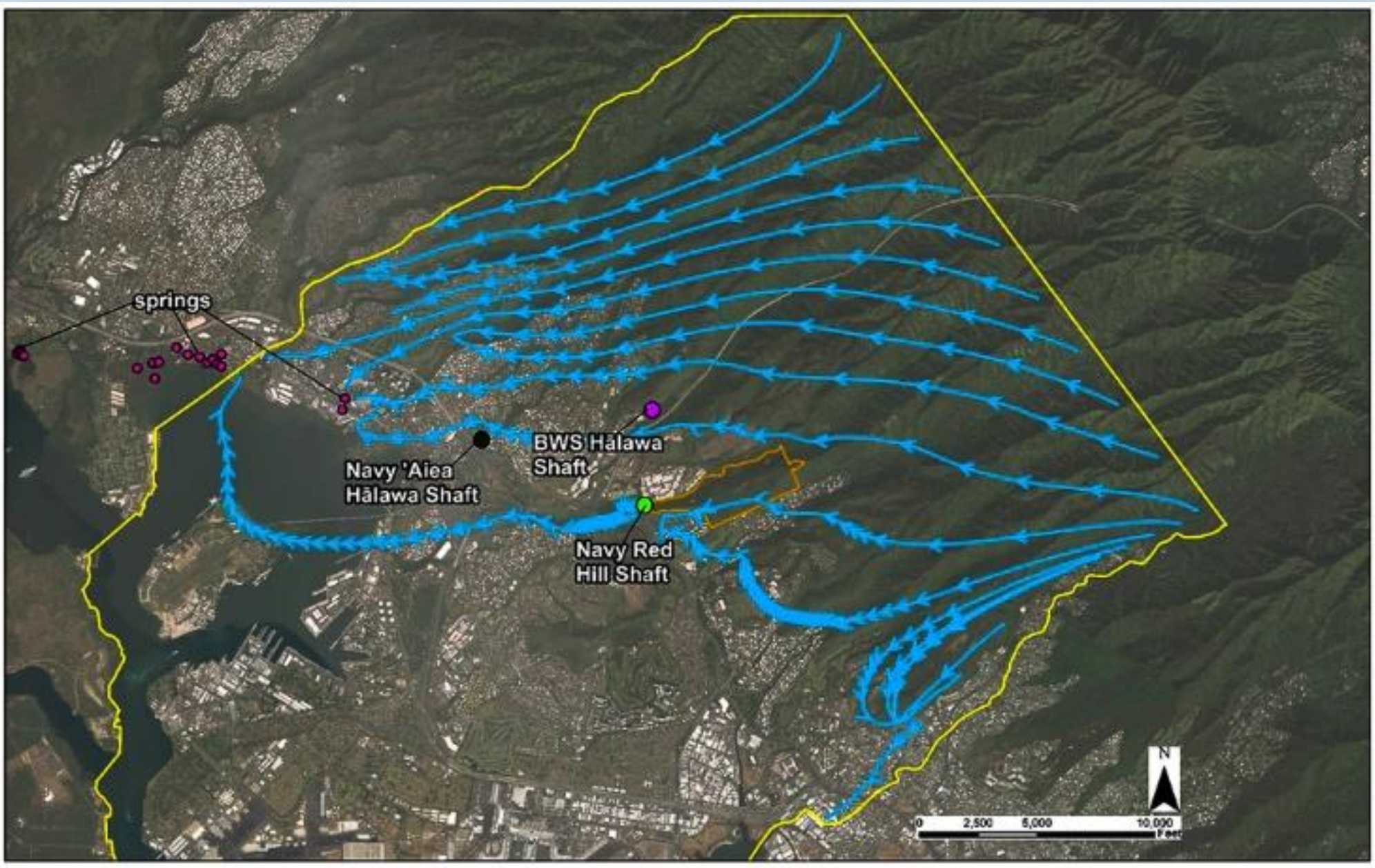
Supporting the independent **University of Hawaii** Dye Tracer Study and groundwater modeling efforts.



Submitted updated Groundwater Flow Model (GWFM) to regulators.



Increased sampling to twice a month across the groundwater monitoring network.



Updating the GWFM per regulatory feedback & continuous review of available data.



Sampling across the Monitoring Well Network.

Continued commitment to expanding groundwater well network and updating groundwater flow model.



Environmental Monitoring And Assessment

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2024 Highlights

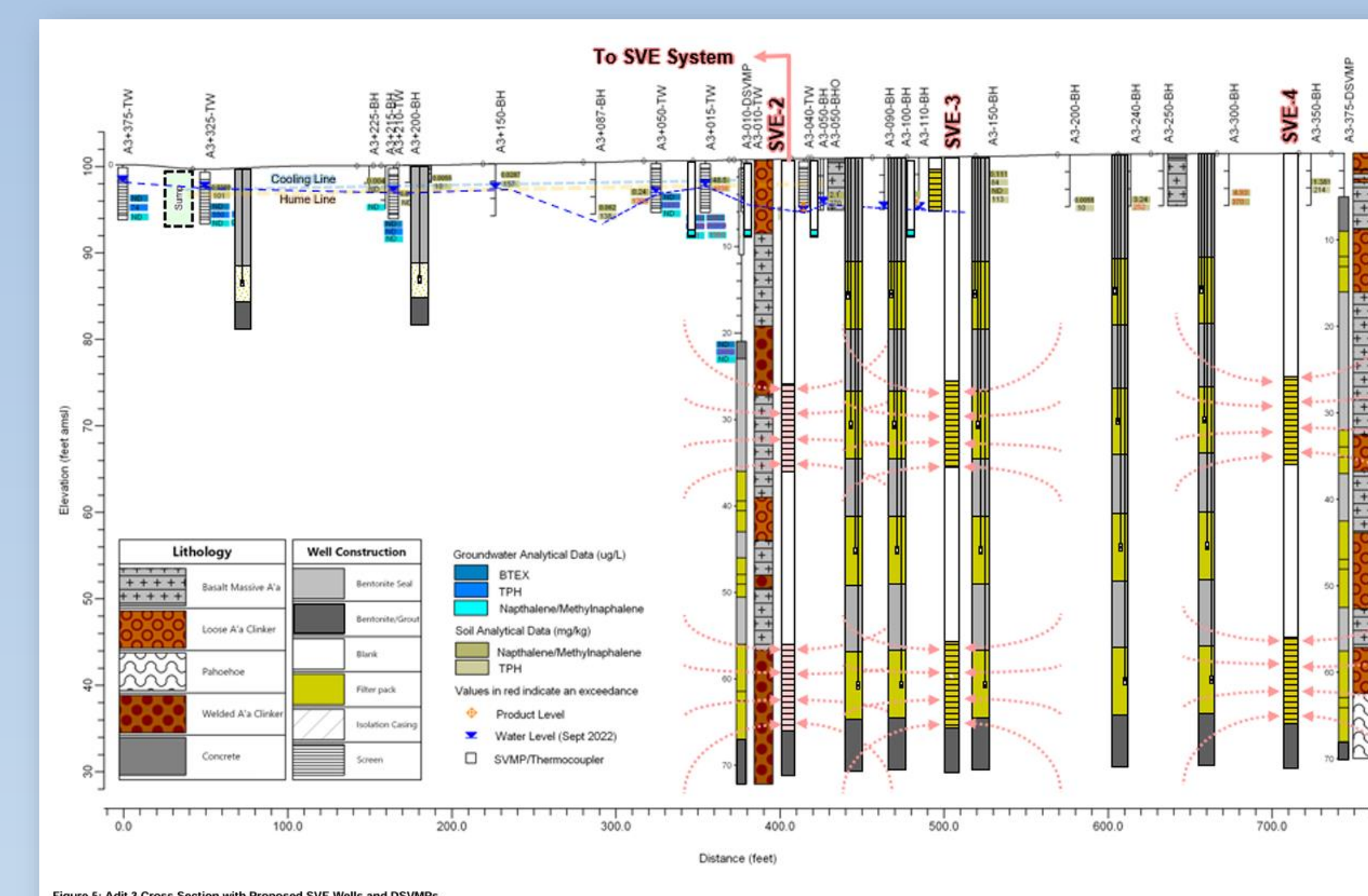
A Look Forward



Began site assessment of Red Hill facility.



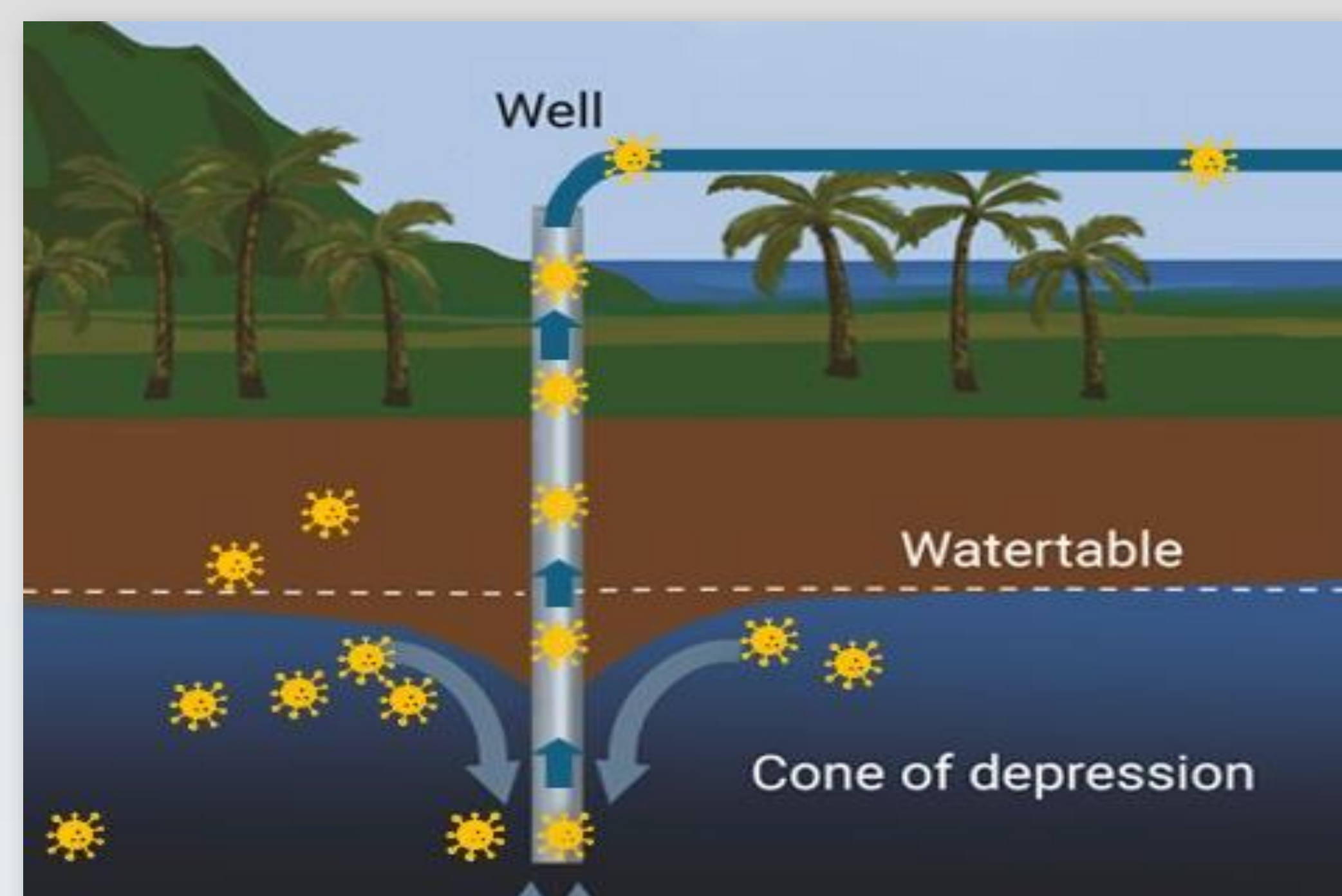
Monitored air quality during fuel tank ventilation.



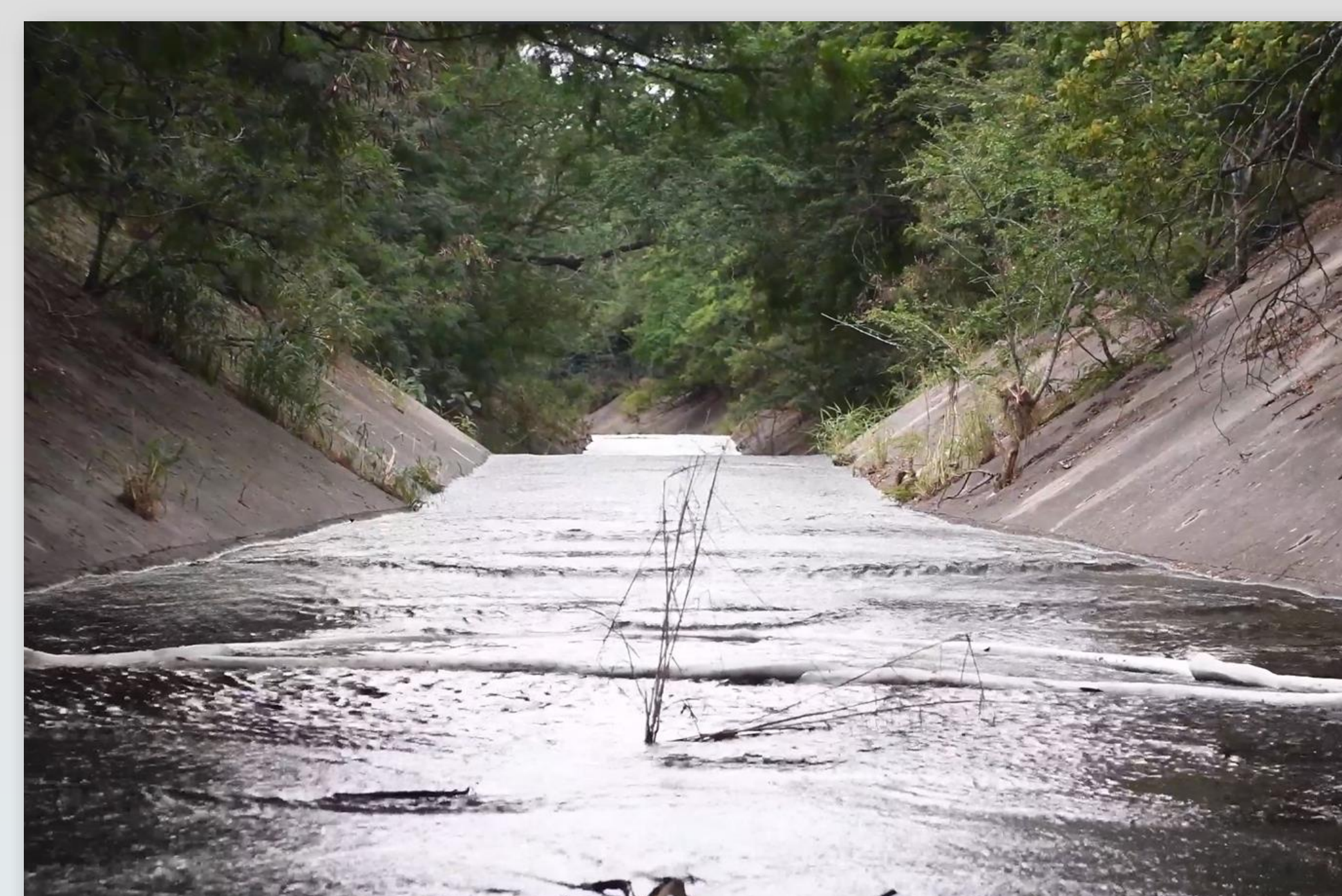
Continue remediation pilot study with deep soil vapor extraction.



Begin field investigation for site assessment.



Maintained capture zone at Red Hill Shaft via pumping.



Reduced daily discharge of filtered water from Red Hill Shaft into Hālawā Stream.



Environmental monitoring and capture zone at Red Hill.



Ongoing Hālawā Stream **ecological monitoring**.

The Navy is working closely with regulators to advance remediation efforts at Red Hill.



Water System Resilience And Redundancy

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2024 Highlights



Installed water treatment system at Navy Aiea Hālawā Shaft (NAHS) in advance of reactivation.



Began installation of upgraded treatment system at Red Hill Shaft in advance of reactivation.

A Look Forward



Reactivate NAHS with regulator approval.



Continue planning for reactivation of Red Hill Shaft with regulators.

Previous And Ongoing Navy Activities to Strengthen Resilience



Protect the watershed through Readiness and Environmental Protection Integration (REPI) programs.



Ongoing JBPHH water system **infrastructure maintenance and repairs**.



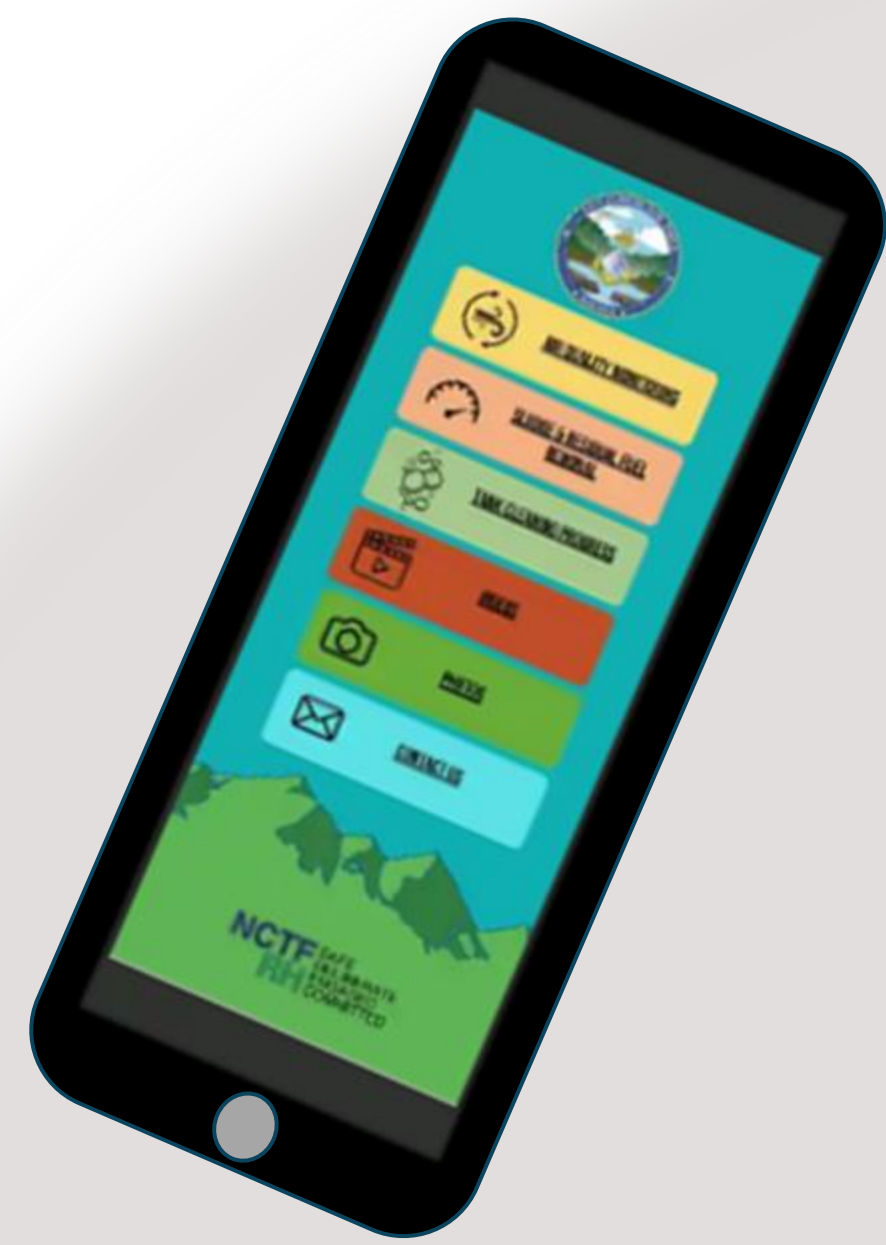
Continued planning and design of permanent Red Hill Water Treatment Facility.

The Navy is strengthening resiliency and redundancy in the JBPHH drinking water system.



Commitment To Community Engagement

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**Website,
Mobile App &
Dashboard**



**Drinking
Water Info
Booths**



**Neighborhood
Boards**



Open Houses

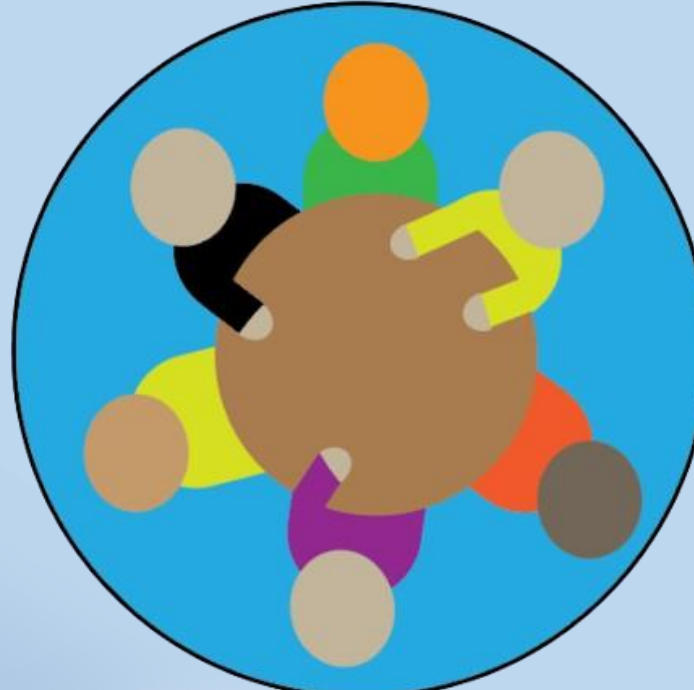


**Video
Podcasts**



Webinars

**Community
Meetings**



Consistent and timely communication with the public.