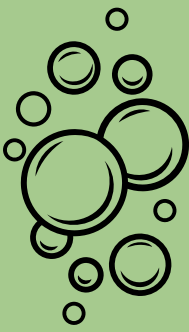




AIR QUALITY MONITORING



**SLUDGE & RESIDUAL FUEL
REMOVAL**



TANK CLEANING PROGRESS



VIDEOS



PHOTOS

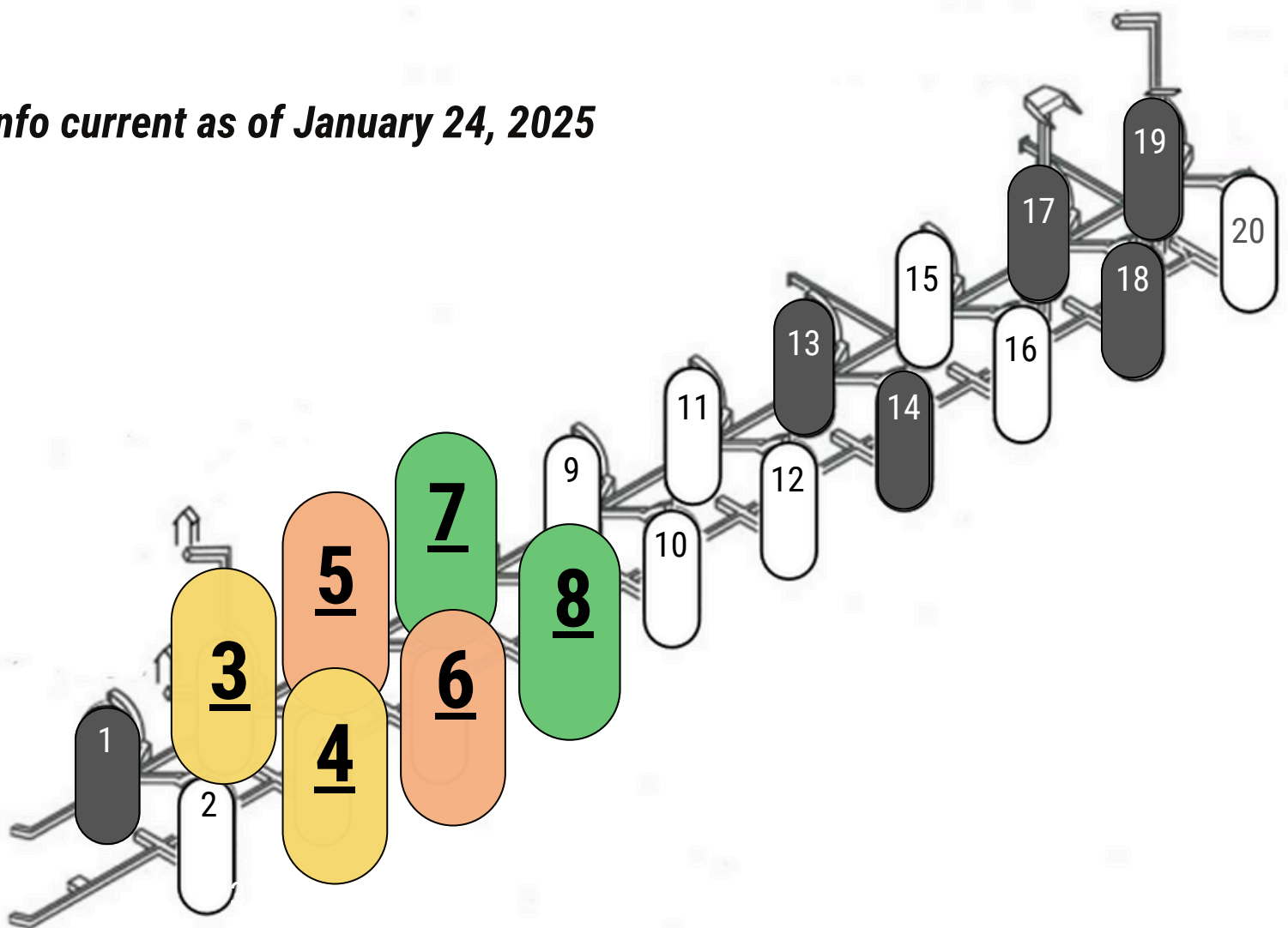


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**Info current as of January 24, 2025*



☐ **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

Black tanks were empty and out of service prior to defueling.



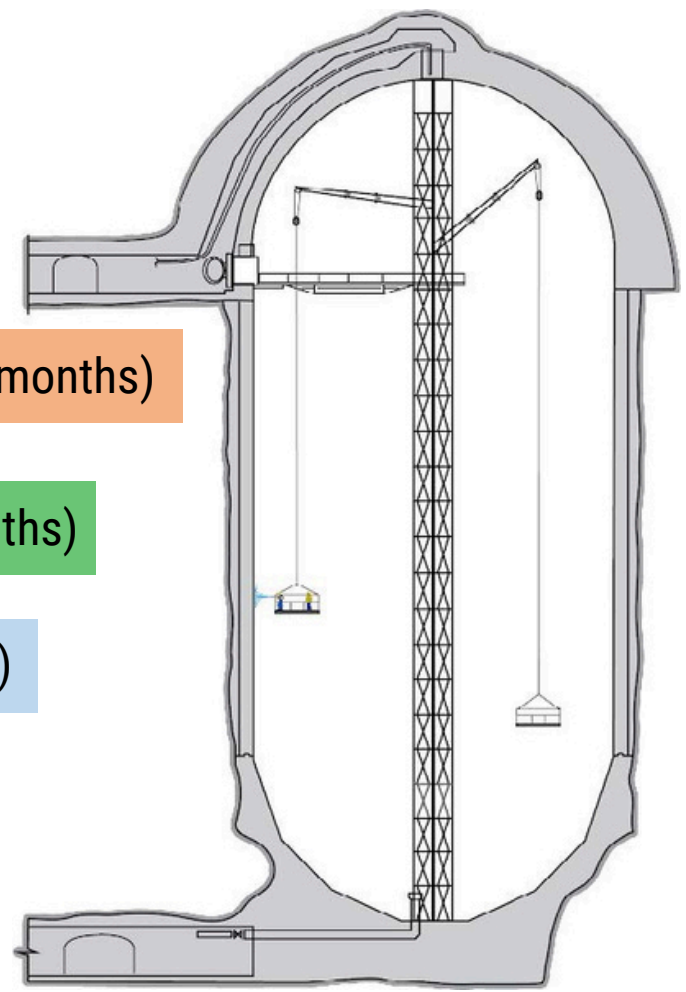
TANK 3

Step 1 Preparation (approx. 2-3 months)

Step 2 Infrastructure/Sludge (approx. 2-3 months)

Step 3 Pressure washing (approx. 1-2 months)

Step 4 Demobilization (approx. 1-2 months)



Tank 3 is being prepared for tank ventilation and degassing.

Once ventilation begins, VOC levels are monitored and will consistently remain below DOH's regulatory standard limit of 38 PPM.

**Info current as of January 24, 2025*

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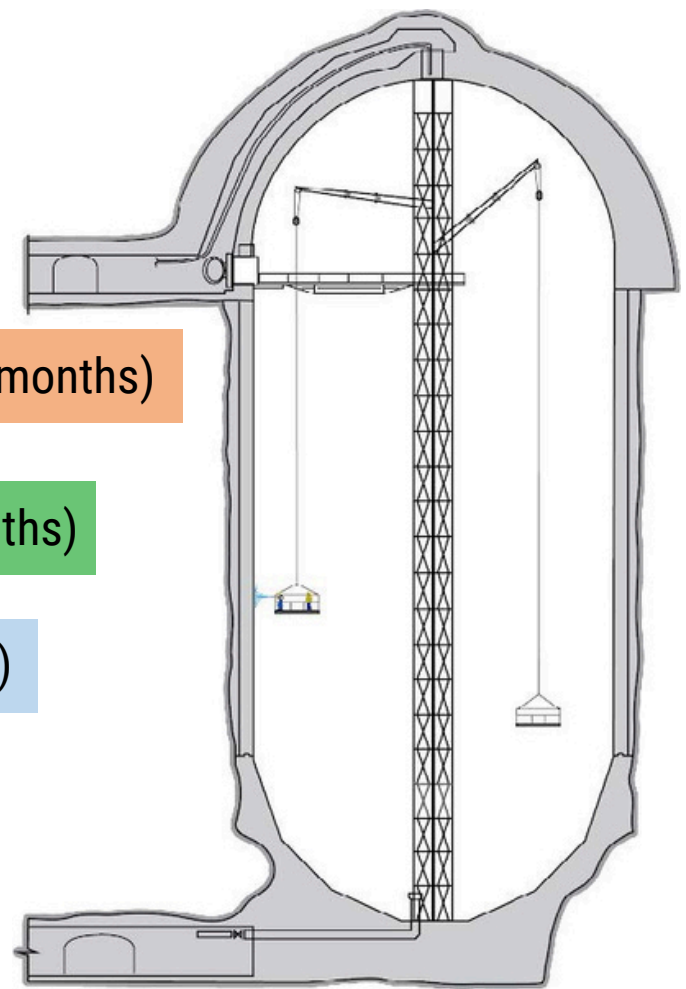
TANK 4

Step 1 Preparation (approx. 2-3 months)

Step 2 Infrastructure/Sludge (approx. 2-3 months)

Step 3 Pressure washing (approx. 1-2 months)

Step 4 Demobilization (approx. 1-2 months)



Tank 4 is being prepared for tank ventilation and degassing.

Once ventilation begins, VOC levels are monitored and will consistently remain below DOH's regulatory standard limit of 38 PPM.

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TANK 5

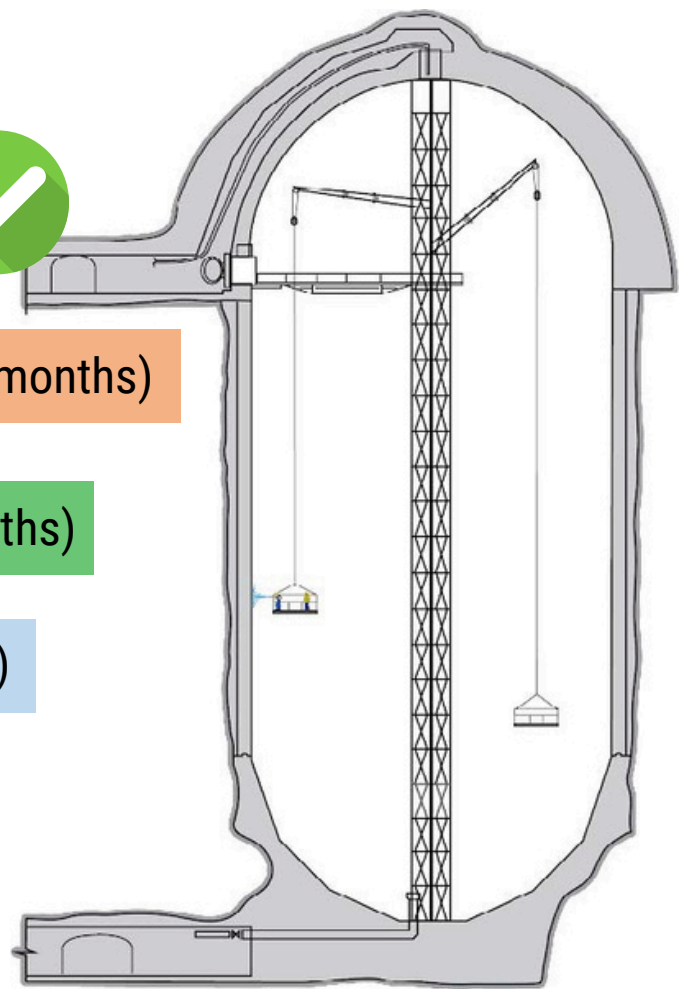
Step 1 Preparation (approx. 2-3 months)



Step 2 Infrastructure/Sludge (approx. 2-3 months)

Step 3 Pressure washing (approx. 1-2 months)

Step 4 Demobilization (approx. 1-2 months)



Degassing of Tank 5 was completed on Oct. 21, 2024.

68 gallons of sludge were removed Nov. 14, 2024.

The tank infrastructure and scaffolding are now being assembled and inspected to be ready for pressure washing.

**Info current as of January 24, 2025*

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TANK 6

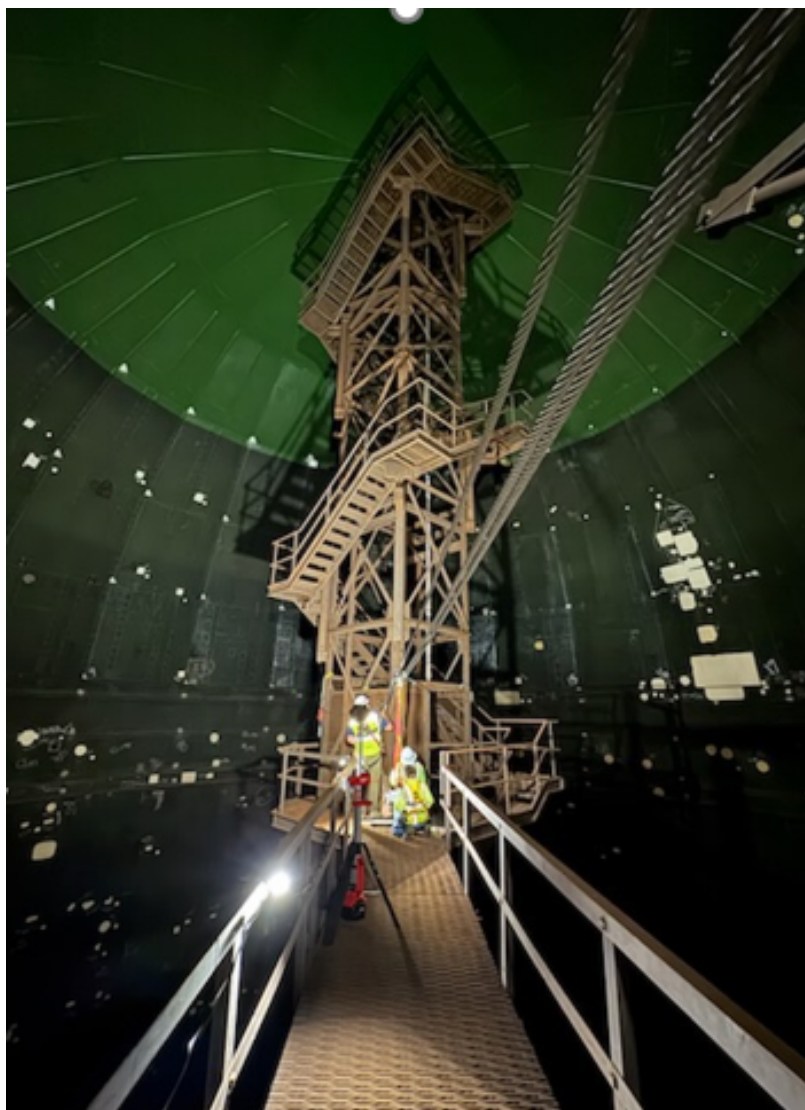
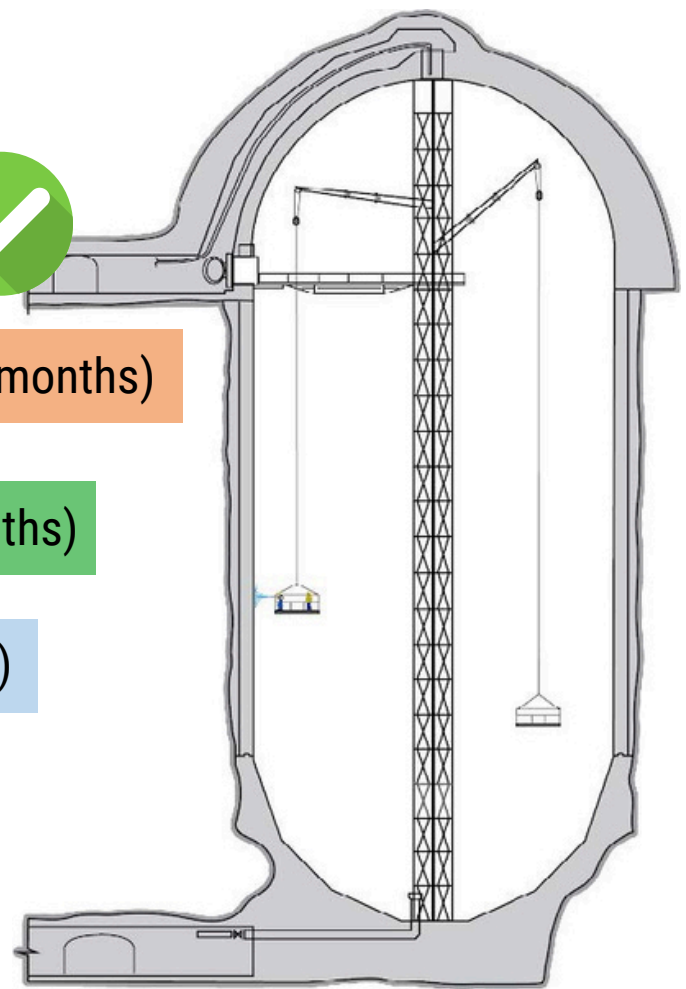
Step 1 Preparation (approx. 2-3 months)



Step 2 Infrastructure/Sludge (approx. 2-3 months)

Step 3 Pressure washing (approx. 1-2 months)

Step 4 Demobilization (approx. 1-2 months)



The Navy completed ventilation of Tank 6 on Sept. 30, 2024, and 12 gallons of sludge were removed on Jan. 22, 2025.

Structural assessments are ongoing for a spiral staircase that is unique to Tank 6. Its removal is required for safe tank cleaning.

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TANK 7

Step 1 Preparation (approx. 2-3 months)

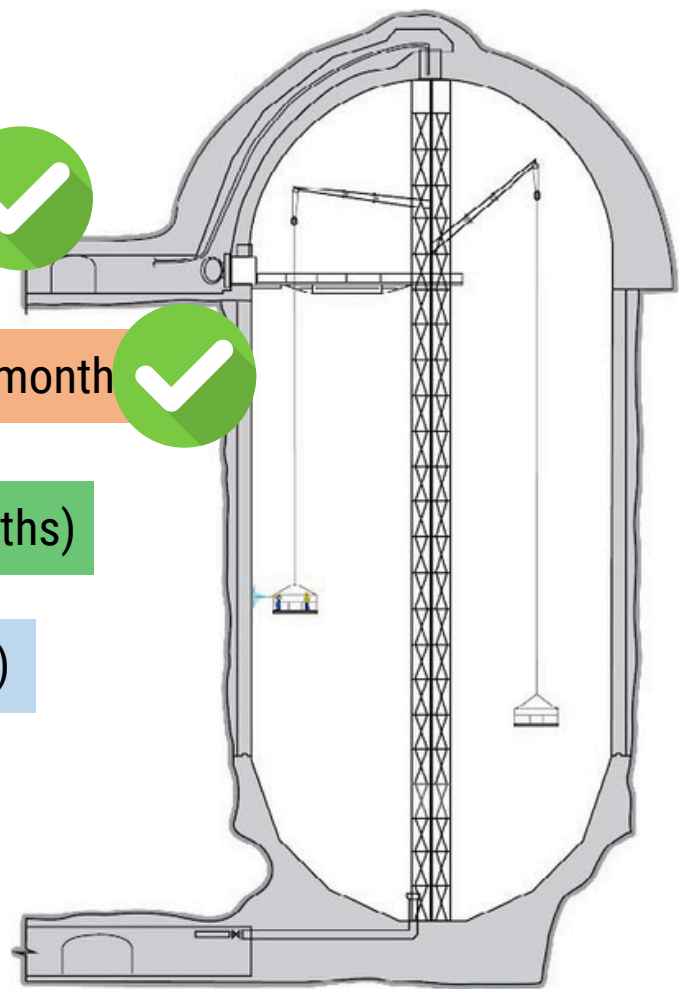


Step 2 Infrastructure/Sludge (approx. 2-3 month)



Step 3 Pressure washing (approx. 1-2 months)

Step 4 Demobilization (approx. 1-2 months)



A total of 33 gallons of sludge was removed from Tank 7. All repairs to the main tower were completed, and the boom was installed to enable tank cleaning.

Pressure washing for Tank 7 began on January 9th and will take up to two months.

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TANK 8

Step 1 Preparation (approx. 2-3 months)

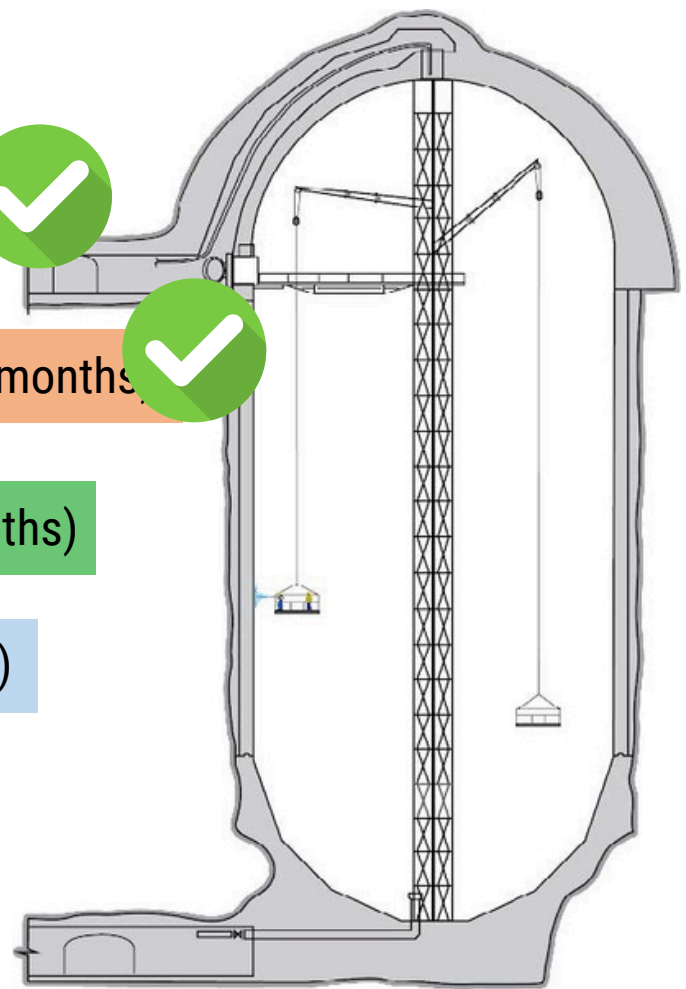


Step 2 Infrastructure/Sludge (approx. 2-3 months)



Step 3 Pressure washing (approx. 1-2 months)

Step 4 Demobilization (approx. 1-2 months)



A total of 45 gallons of sludge was removed in June 2024.

Tank 8 were pressure washing began on January 15th and is expected to take two months.

****Info current as of January 24, 2025***

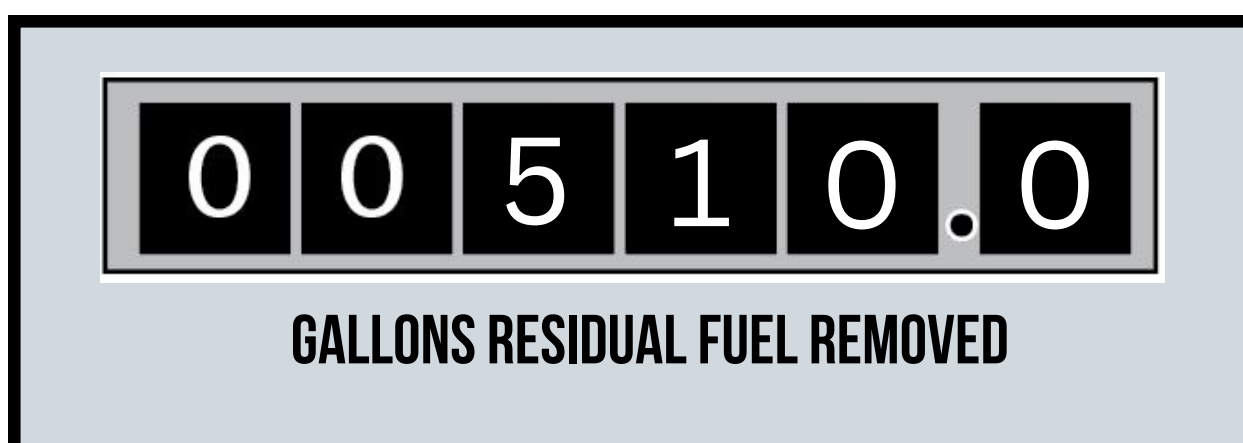
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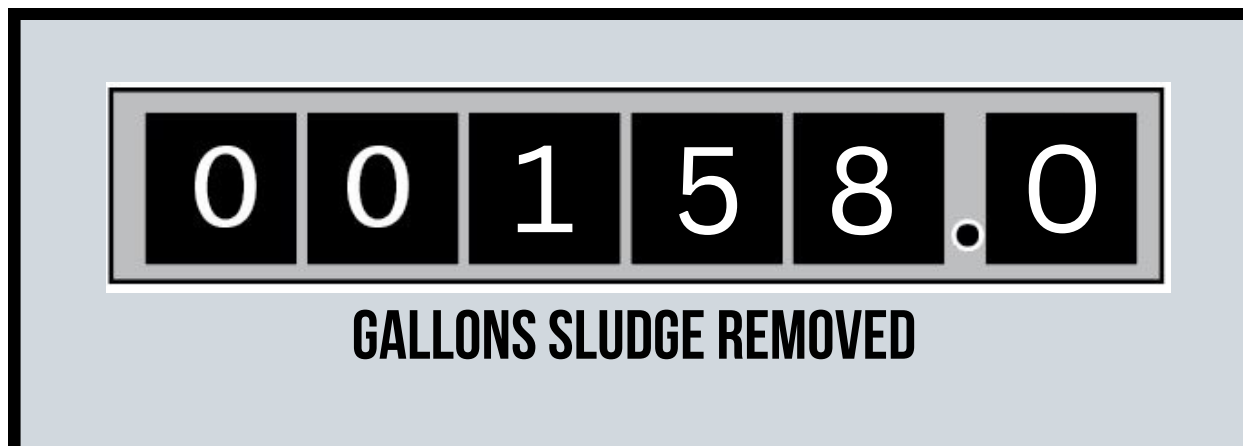




SLUDGE AND RESIDUAL FUEL REMOVAL



****As of January 24, 2025***



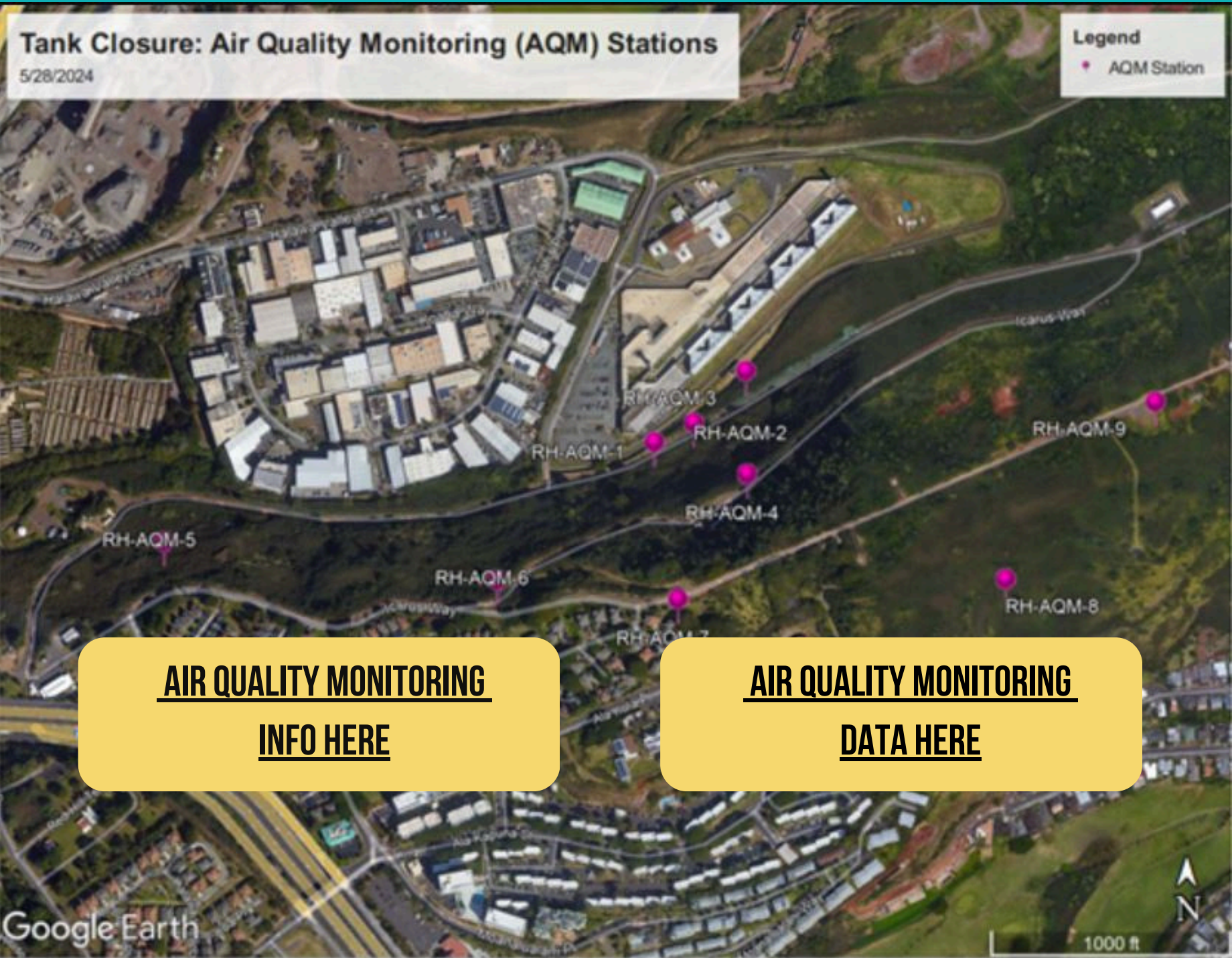
Sludge is removed by lowering personnel to the bottom of the tank where it is manually shoveled out and put into drums. The drums are sealed and sent off the island for disposal at a permitted waste disposal facility on the continental U.S.

[SLUDGE REMOVAL VIDEO](#)

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AIR QUALITY MONITORING



(Google Earth image courtesy of Hawaii State Department of Health website).

[TANK VENTILATION VIDEO](#)

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