

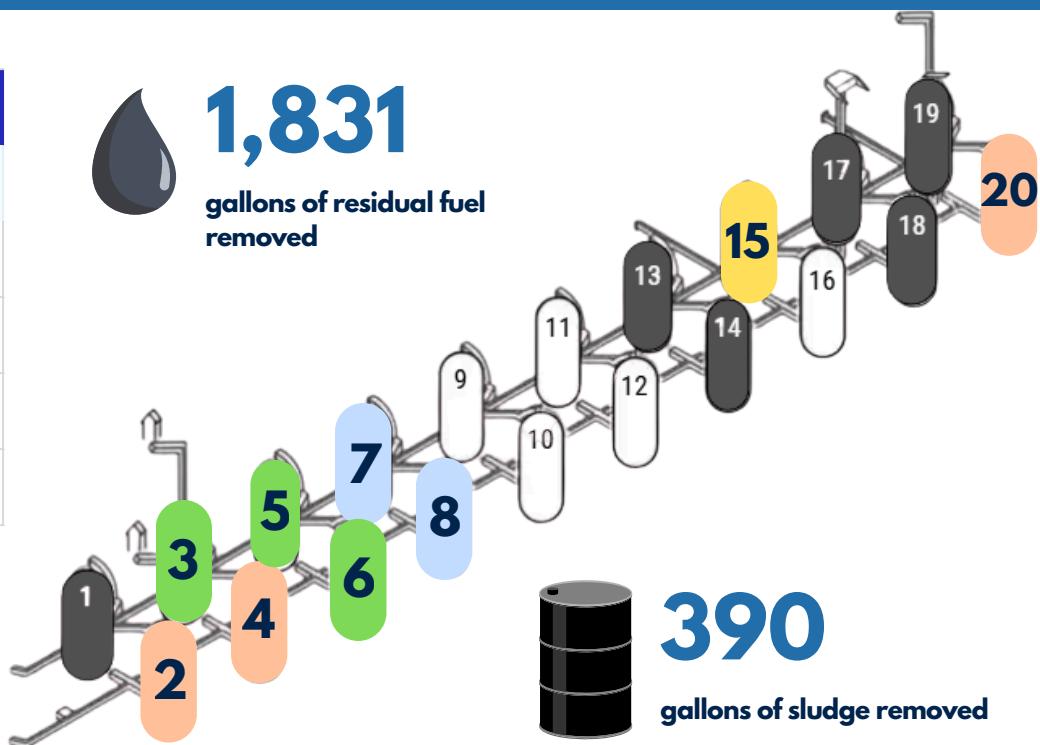


Navy Closure Task Force-Red Hill Operations Dashboard

TANK CLEANING

Status	
Step	Tank(s)
1	15
2	2, 4, 20
3	3, 5, 6
4	7, 8

*Gray tanks were empty and not in service before defueling



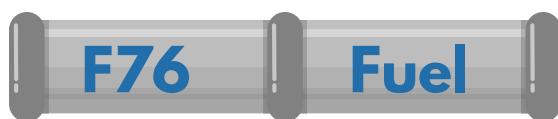
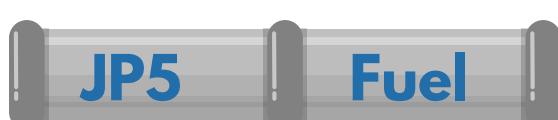
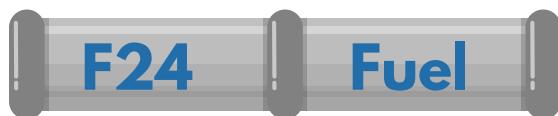
Tank Cleaning Steps

Step 1: Preparation Approximately 2-3 months	<ul style="list-style-type: none">Isolate tank and disconnect pipingInstall tank ventilation equipmentInject water to soften sludge and remove flowable sludgeForced air degassing of the tank
Step 2: Solid Sludge Removal Approximately: 2-3 months	<ul style="list-style-type: none">Structural inspection and repairs/modificationsRemove solid sludgeInstall and load test booms and baskets
Step 3: Pressure Washing Approximately: 1-2 months	<ul style="list-style-type: none">Pressure wash with up to 3% Simple Green solutionContractor quality control and Government quality assuranceThird party independent cleanliness validation in accordance with approved planSubmit reports for EPA and DOH concurrence of cleanliness
Step 4: Tank Decommissioning Approximately: 1-2 months	<ul style="list-style-type: none">Demobilize contractor equipmentSecure the manways with lockable hatchesPrepare for post closure monitoringSubmit closure report to EPA and DOH for approval



Navy Closure Task Force-Red Hill Operations Dashboard

PIPELINE REMOVAL



2,512 total gallons of residual fuel removed as part of pipeline cleaning efforts

Pipeline Removal Process

01



Preparation

- Install supplemental utilities
- Install train engines and cars
- Environmental Protection Plan approved
- Multiple Work Plans approved
- Demolition Plan approved
- Abatement Plans approved
- Asbestos abatement
- Work plans for demolition and environmental protection
- Conduct spill response exercises

02



Drain & Clean

- Remove valves
- Drain Residual fuel
- Cable pigging*
- Air pigging*

*Pigging: Process of cleaning or inspecting pipelines.

03



Cut & Remove

- Cut 9' pipe sections
- Lower pipe sections
- Transport to Adit 2 for staging

04



Transport & Recycle

- Transport pipes to JBPHH staging area
- Transport to the U.S. mainland
- Final disposition