



## **Site 12 Field Work Update**

# **NAVAL STATION TREASURE ISLAND SAN FRANCISCO, CALIFORNIA**

**Restoration Advisory Board Meeting**

**March 26, 2019**

# Site 12 Field Work Update Overview



- Chemical Cleanup
  - Excavations
  - Building Demolitions
- Radiological Cleanup
  - Northpoint Solid Waste Disposal Area (SWDA)
- Groundwater Monitoring
  - Gateview Total Petroleum Hydrocarbon (TPH)/Arsenic Area
- Removal of Underground Storage Tanks (UST's)



Treasure Island Site 12 Location

# Chemical Cleanup – Excavations



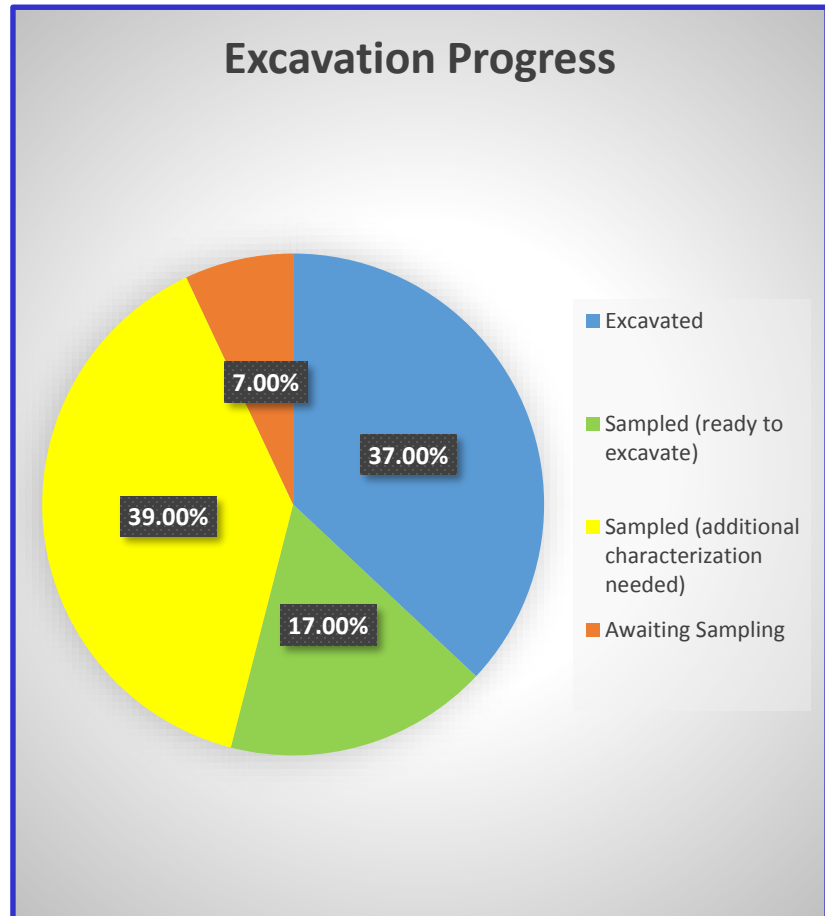
- Contaminants of Concern

- Lead, Benzo(a)pyrene (BaP), Chromium, Polychlorinated Byphenols (PCBs), Pesticides and Dioxin

- 41 Excavations

- Approximately 10' x 10' each
  - Pre-excavation sampling
  - Goal is to excavate and backfill each location within one day
  - Excavated soil transferred to Site 32 for radiological scanning
  - Air and Dust Monitoring
  - 16 locations complete (excavated and backfilled)

- Work occurring through May 2019



Site 12 Chemical Excavation Progress

# Site 12 Remediation Progress





# Chemical Cleanup – Soil Excavation



Chemical Excavation in Northern Site 12

# Chemical Cleanup – Air and Dust Monitoring



- Air Monitoring
  - Sitewide
  - Upwind and downwind monitoring
  - Measure specific contaminant concentrations
- Dust Monitoring
  - Each excavation location
  - 3 dust monitors
    - 1 upwind
    - 2 downwind
  - Continuous monitoring during excavation and backfill activities
    - Any exceedances trigger alarm
- Health and Safety is Paramount



Dust Monitoring at Excavation Location



# Chemical Cleanup – Dust Control



Dust Control Measures at Site 12 Excavation Area



# Chemical Cleanup – Site Restoration



Backfilled Excavation Location Awaiting Hydroseed



# Chemical Cleanup – Soil Transport



Tarped Trailer Bed Transporting Excavated Soil to Site 32



## Chemical Cleanup – Soil Stockpile at Site 32



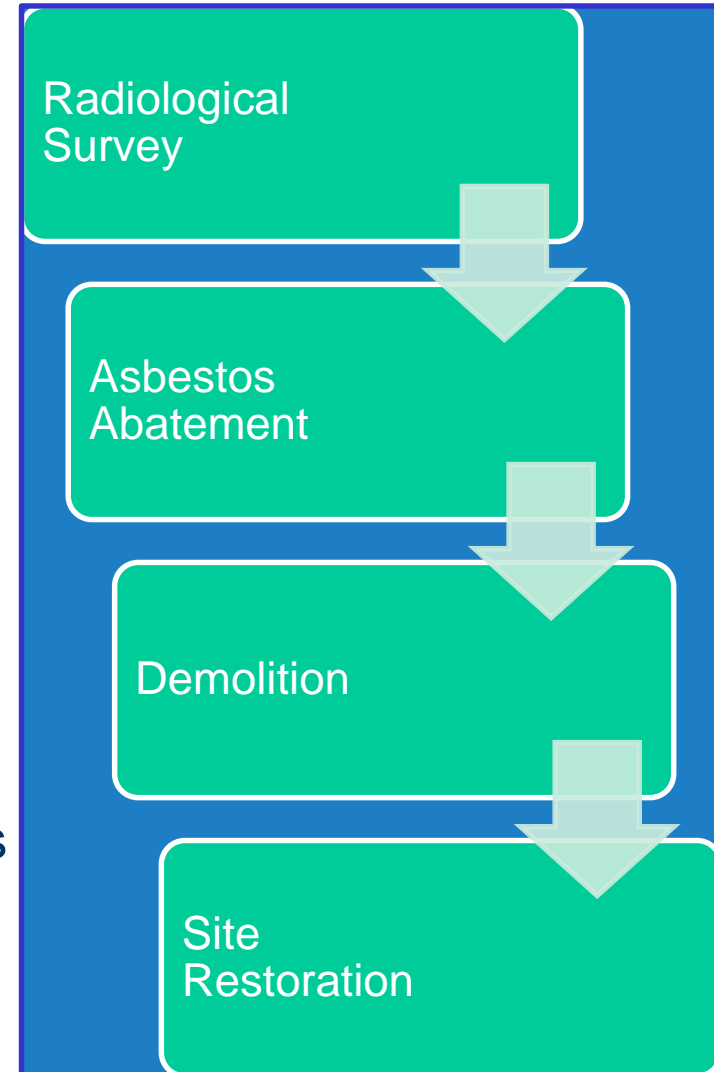
Site 32: Construction of Radiological Screening Yard (RSY) Pad



# Chemical Cleanup – Building Demolitions



- Building Demolition
  - Buildings 1126, 1127, and 1217
  - Prior to Building Demolition....
    - Radiological Survey of building materials
    - Asbestos Abatement
- Building perimeters fenced and secured
- Foundations to be removed
  - Footprints will be backfilled and seeded
- Air and dust monitoring during all activities
- Demolition to begin in April
  - Complete in May



## Radiological Scanning Prior to Building Demolition



## Radiological Scanning of Building 1126



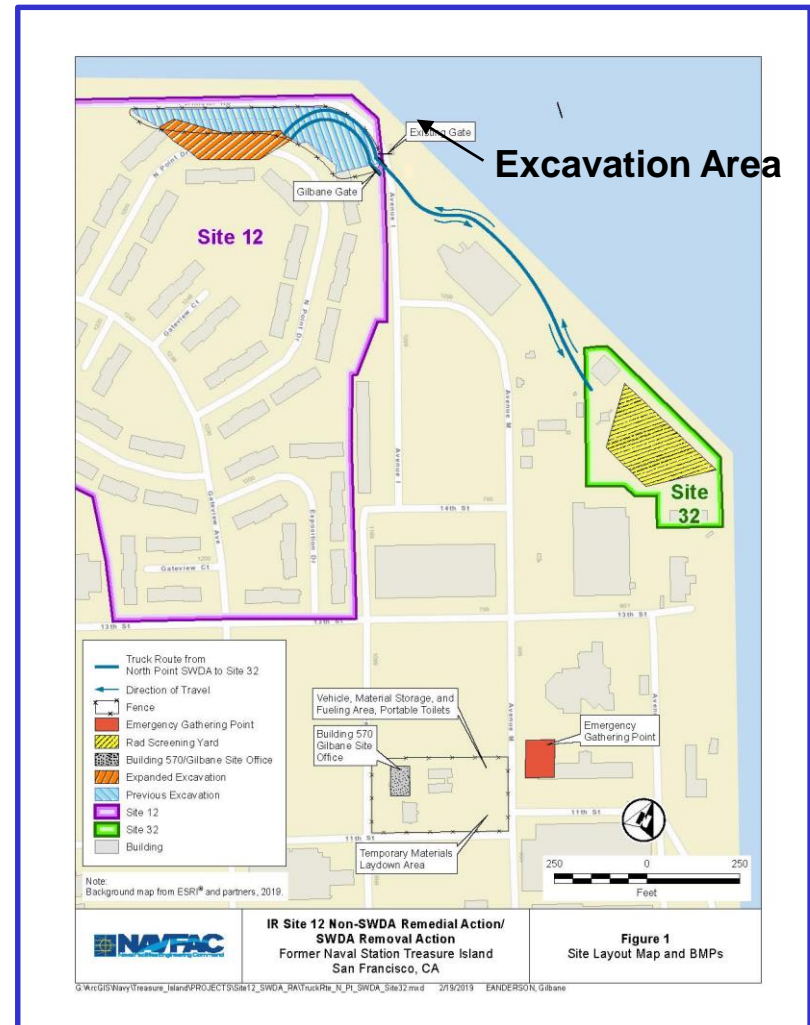
Radiological Scanning of Building 1126



# Radiological Cleanup



- North Point Solid Waste Disposal Area (SWDA)
- Continuation of previous excavation (2017) including:
  - Creosote timbers
  - Radiological Debris (former SWDA)
  - Foils and Deck Markers containing Ra-226
- Excavating 4000 cubic yards
- Northern tip of North Point Drive will be excavated and repaved
- Soil will be transported to Site 32 for characterization
- Work will occur from April through July



Northpoint Solid Waste Disposal Area Excavation and Truck Route

# Groundwater Monitoring



- 13 groundwater monitoring wells at Gateview Avenue
- Total Petroleum Hydrocarbon (TPH) and Arsenic are contaminants of concern
- Last sampling event occurred in March, 2019
- Next sampling event in September
- No impact to drinking water on Treasure Island



Groundwater Monitoring Well Locations at Gateview Avenue



# Underground Storage Tanks (USTs) Removal

- Removal of Two Underground Storage Tanks
  - Lot next to Building 225
    - (E of Site 20)
  - Discovered in 2016 Remedial Action
  - Tanks/piping will be removed
  - Surrounding soil will be characterized and remediated
  - Work Scheduled for May 2019

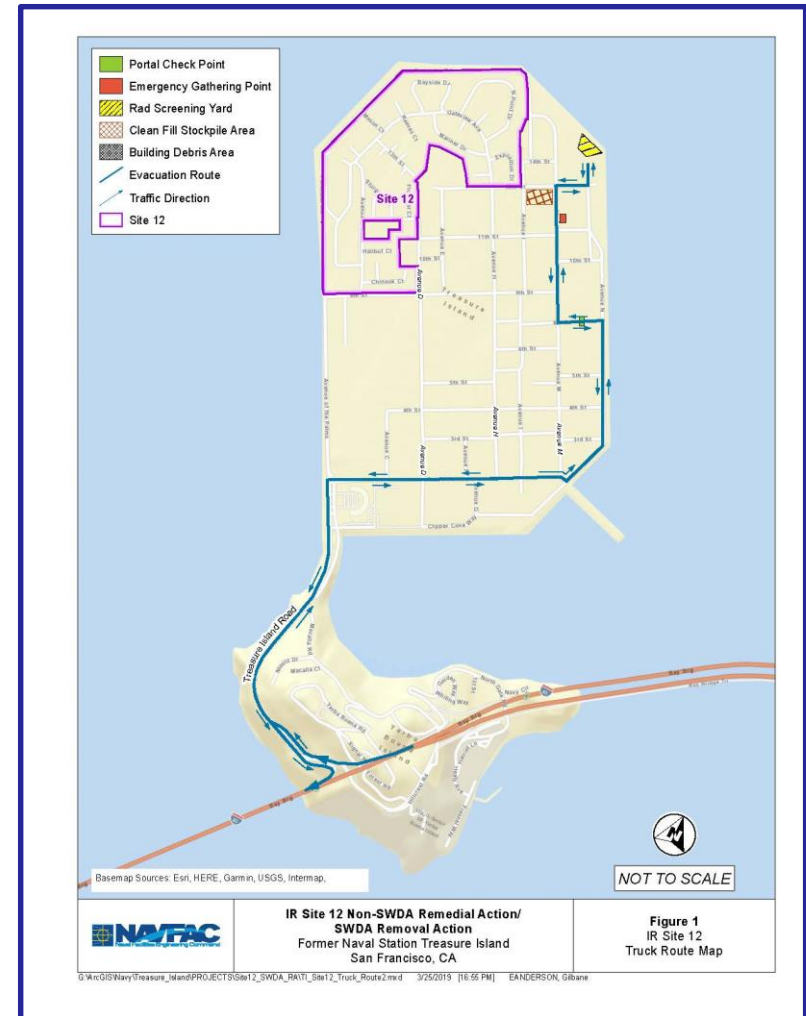


# Truck Traffic Off Treasure Island

- Project trucks/trailers will operate from 8 am – 5 pm Monday through Friday
- Project trucks will be covered by tarps and marked with a numbered green sticker
- Project trucks will pass through a radiological portal monitor prior to exiting site



Loaded, Tarped Trailer with ID sticker



Treasure Island Trucking Routes



# Questions?

