

# Former Haines Fuel Terminal *Project Update*



**Restoration Advisory Board Meeting  
December 12, 2013**

# Presentation Contents

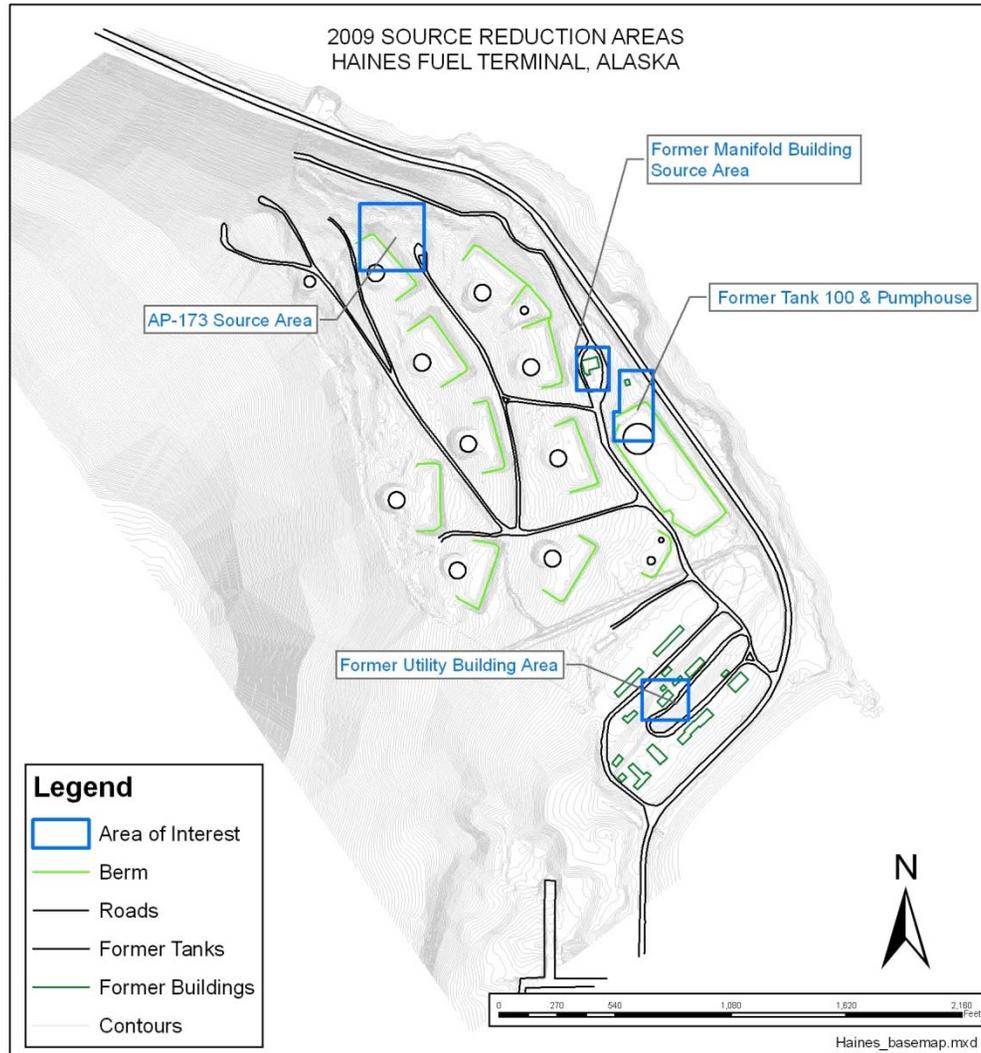
- Summary of activities reported at the previous RAB
- Summary of activities conducted after the previous RAB
- Anticipated future work

# **Haines Fuel Terminal (HFT) Summary of 2009/2010 Activities**

- Contaminated Soil Removal and Treatment
- Spring and Fall Groundwater Monitoring
- Operation and Maintenance of AS System
- Removal of free product from recovery wells in the former Manifold Building Area
- Sampling and spreading of soils from the treatment cells

# HFT - Summary

## Continued



# HFT-Source Reduction & Treatment

## Former Tank 100 Area

- Two treatment cells constructed
- 2,243 CY clean overburden removed
- 2,700 CY of contaminated soil removed and placed in stockpile and treated with ET-20 and microbes.
- Three groundwater monitoring wells were removed during excavation activities



# HFT-Source Reduction & Treatment

Continued

## Admin Area Utility Building

- Treatment cell constructed
- 250 CY of clean overburden removed and stockpiled
- 480 CY of contaminated soil removed and placed in stockpile cell for treatment



# HFT - Source Reduction & Treatment

Continued

## AP-173 Area

- 200 CY of clean over burden removed
- 600 CY of contaminated soil removed and placed in stockpile cell for treatment
- One Groundwater monitoring well was removed during soil excavation activities



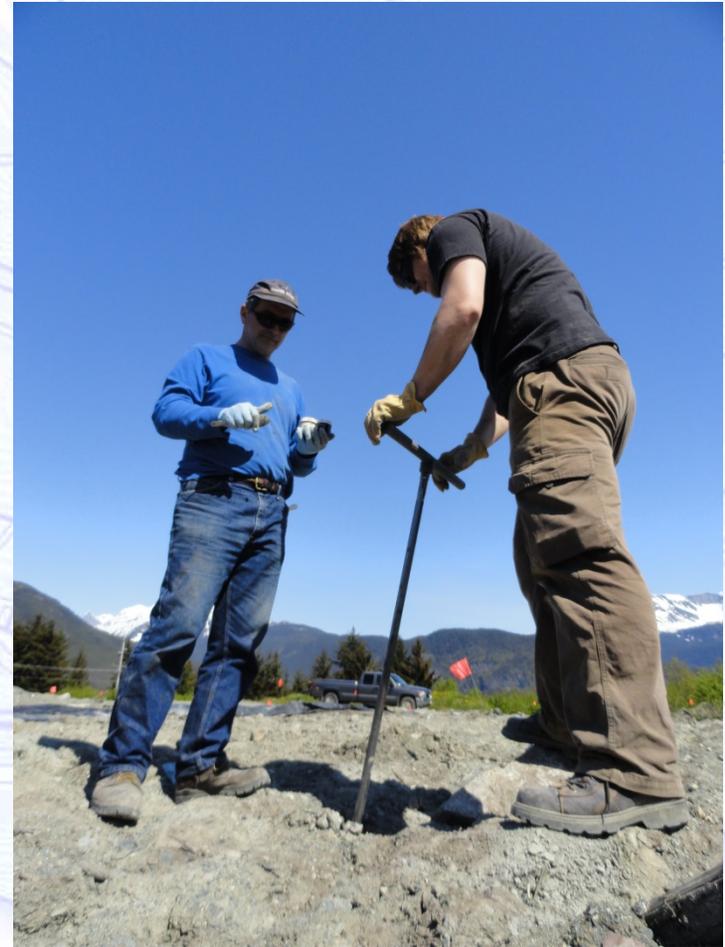
# HFT - Monitoring Well Reinstallation

- In 2010 the 4 wells removed during the source reduction activities were replaced
- Wells were placed at the original location and constructed to monitor the same depth interval
- Data from “before and after” will be used to determine effectiveness of source reduction



# HFT - Other 2010 Activities

- In May 2010 samples were collected from the treated soil stockpiles
- The stockpiles were retreated and land-farmed in June 2010
- Final sampling conducted in August 2010



# HFT - 2011 Activities

- In June 2011, the treated soil stockpiles were spread and the liners were removed
- Excavation areas were recontoured and graded

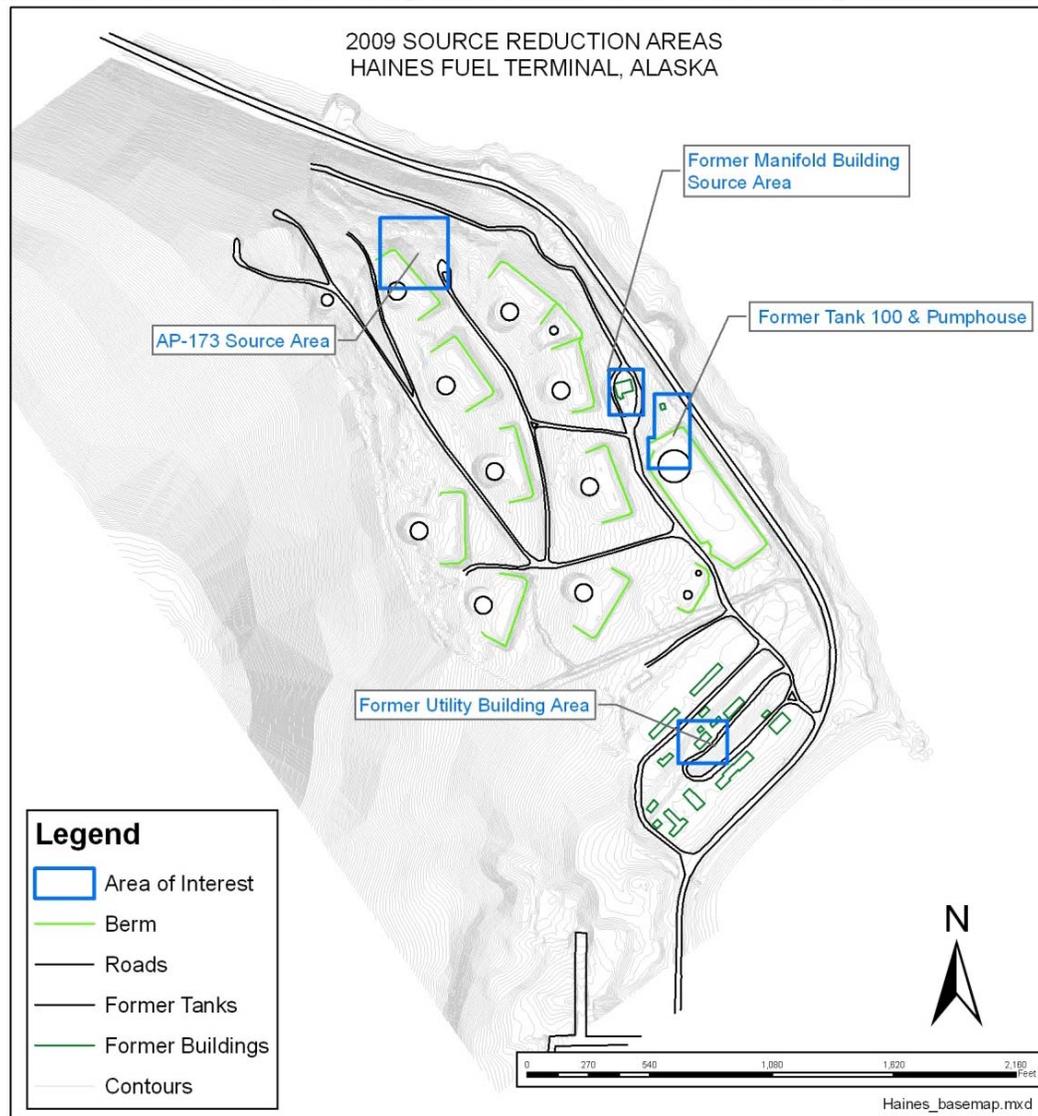


# HFT - 2013 Free Product Recovery

- In June of 2013, free product was found to be present in only 1 of the 24 recovery wells.
- Approximately 1 gallon of free product was recovered in 2013.



# HFT - Layout



# HFT - AS System O&M

- In May 2011, the blower bearings seized
- Sparge system inoperable from May 2011 to June of 2013
- New blower and motor installed in June of 2013
- System restarted in July 2013 and continues to operate



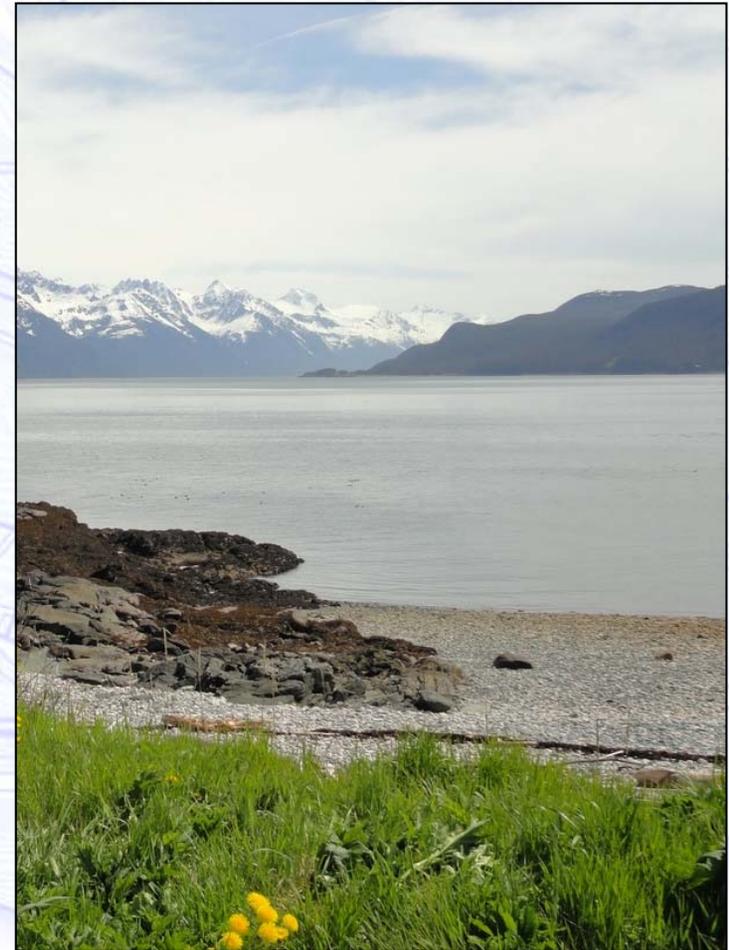
# HFT - Groundwater Monitoring

- 30 monitoring wells sampled in spring of 2013 for GRO/DRO, VOCs, Metals, and Natural Attenuation Parameters
- 11 monitoring wells sampled in fall of 2013 for the same COCs

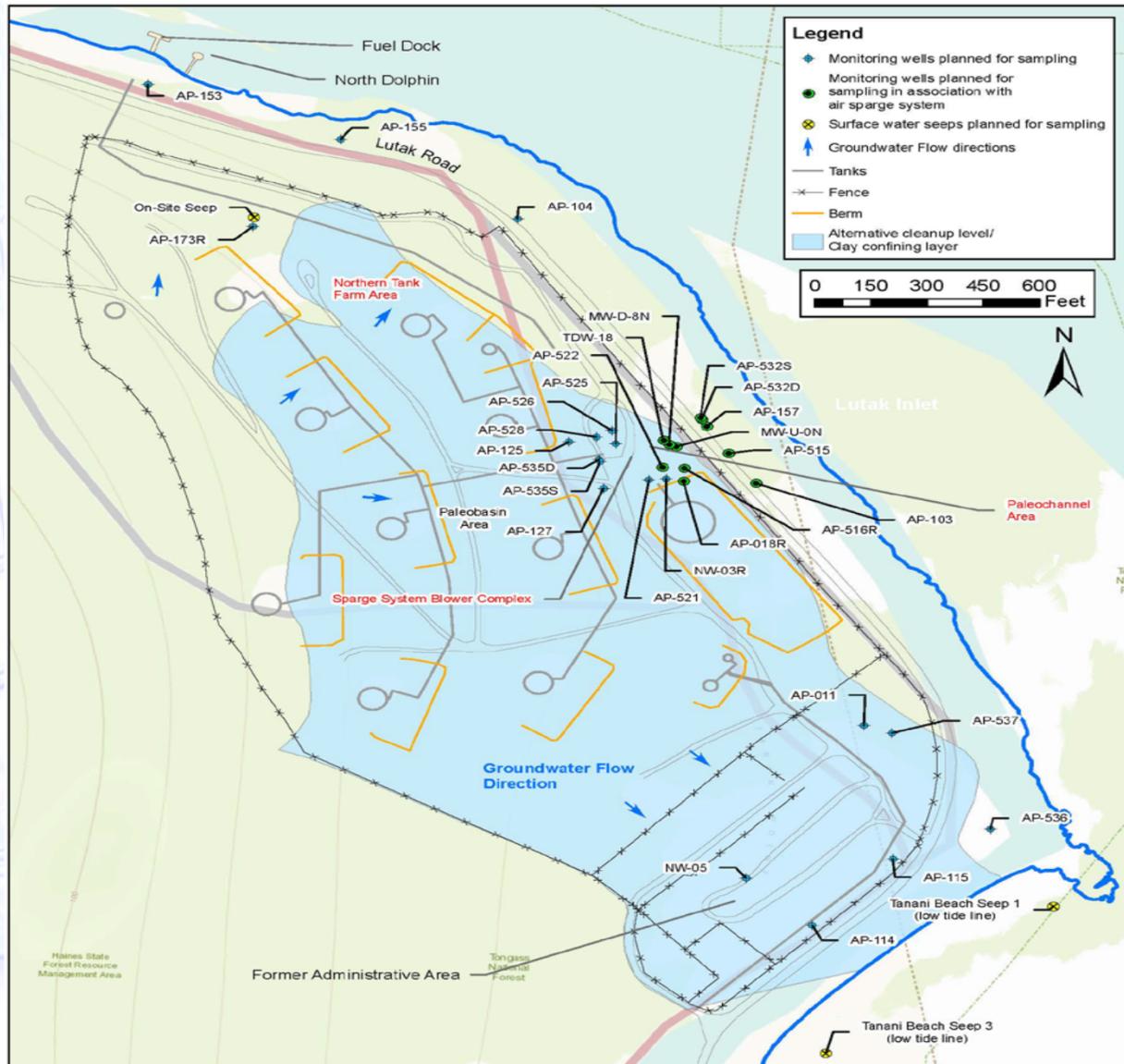


# HFT - Surface Water Monitoring

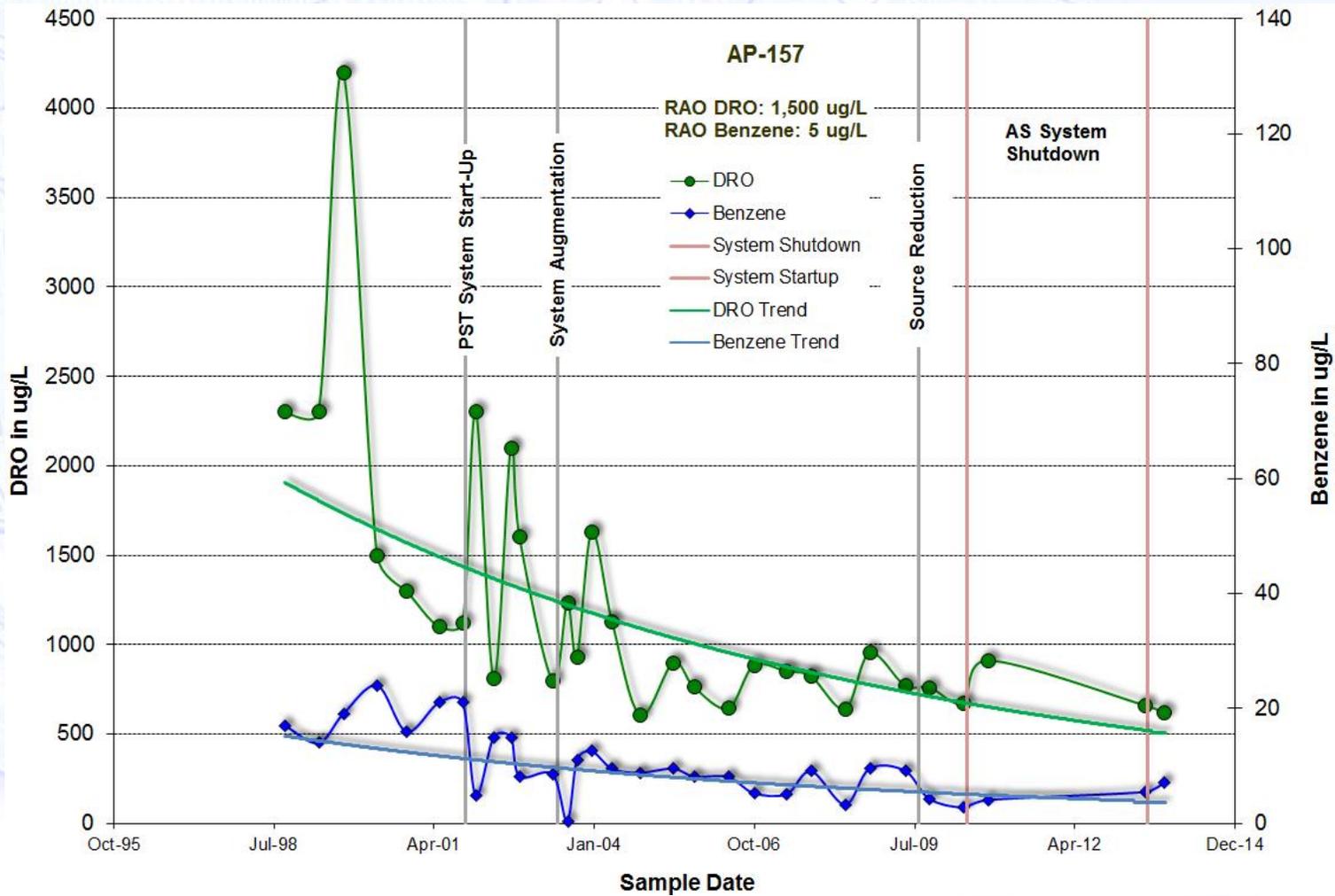
- 3 surface water samples collected for VOCs, DRO, and Natural Attenuation Parameters
- Tanani Beach seeps continue to show no COCs



# Groundwater Well Locations

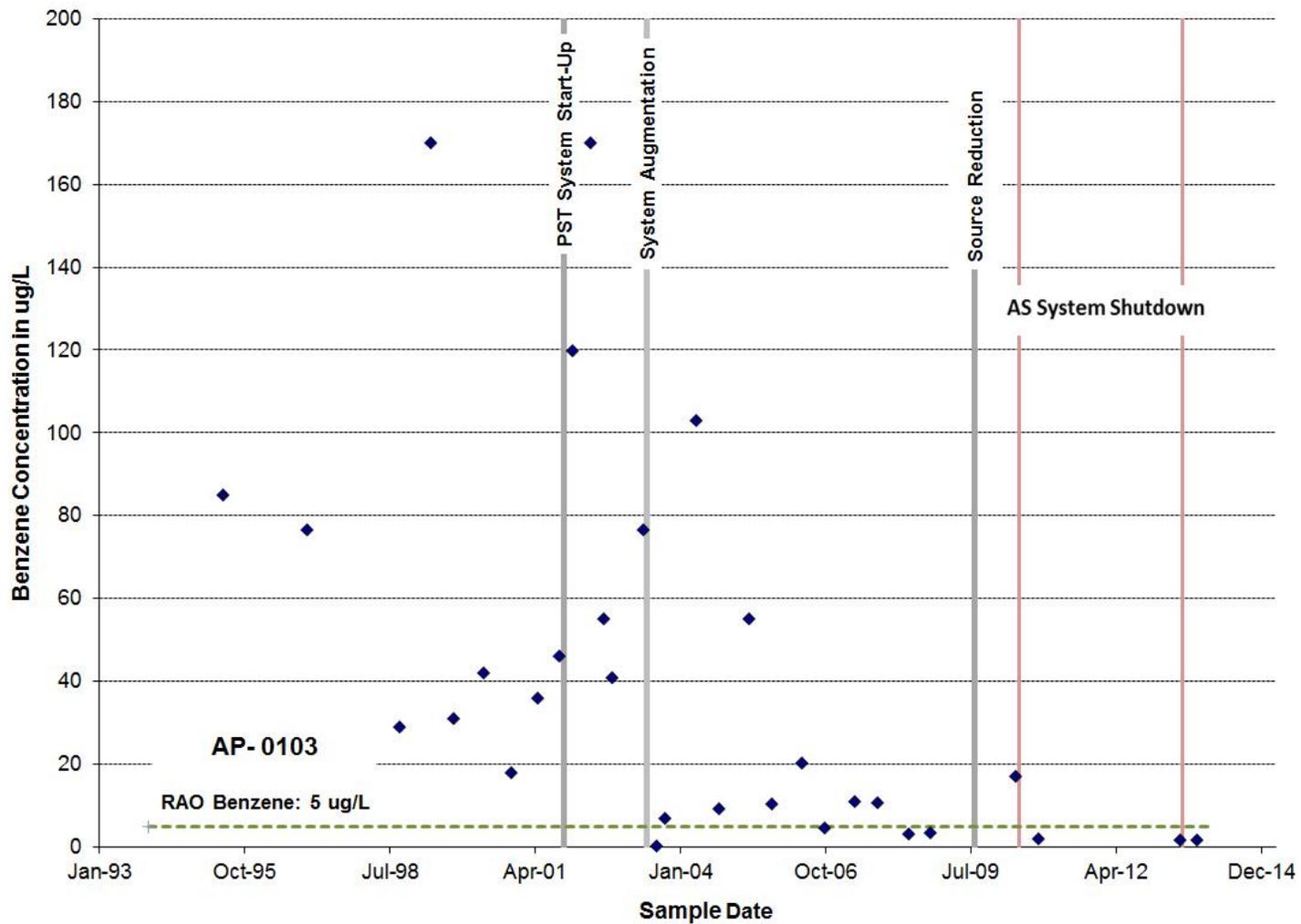


# Groundwater Trends AP-157





# Groundwater Trends (Benzene) AP-103



# HFT - Groundwater Trends

- Contaminant trends have been downward
- Source reduction decreased some contaminant levels in several wells
- The lapse of operation of the sparge system did not result in increased groundwater contaminant concentrations migrating from the site

# HFT - Planned 2014 Activities

- Continue the operation of the new Air Sparge System until July 2014



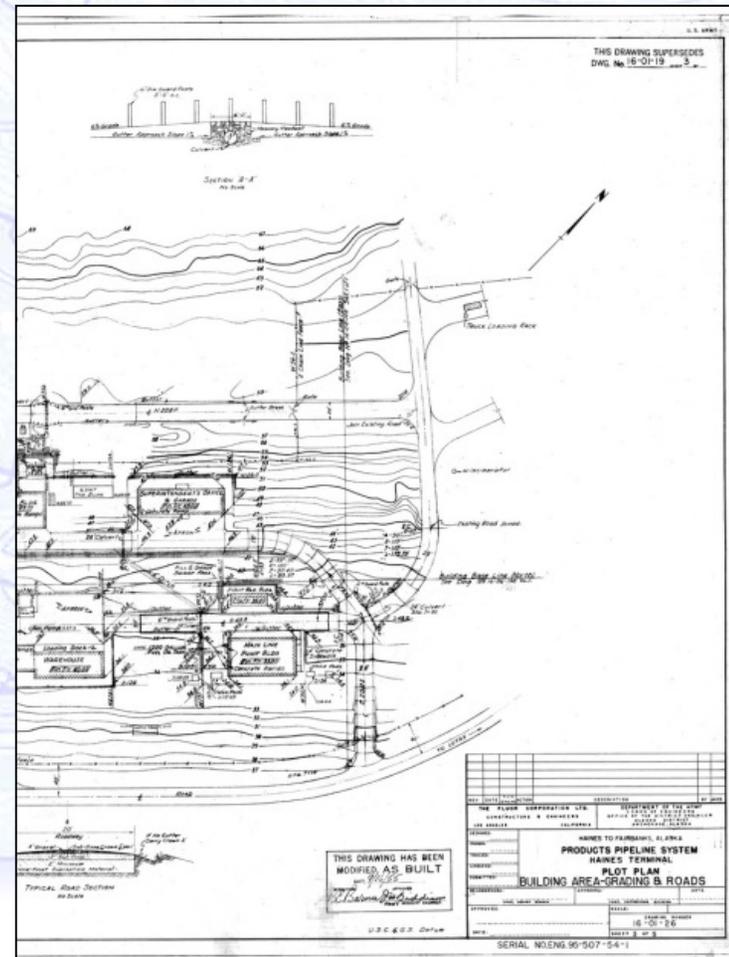
# HFT - Path Forward

- Under newly awarded contract develop comprehensive list of past actions at the HFT; including but not limited to operations, remedial actions, remedial investigations, demolition and decommissioning activities, soil and groundwater sampling.

# HFT - Path Forward

Continued

- Compile a list of site features at the HFT, compile data for each site feature, compile records of closure for site features.



# HFT - Path Forward

Continued

- Based on comprehensive data compilation and analysis, determine data gaps that may exist at the HFT site and document them in a Historical Remedial Investigation Report and provide recommendations on how to fill them.

# HFT – Army Path Forward

- Continue to operate and maintain Air Sparge System through end of current contract.
  - Evaluate Results - evaluate requirement for continued operation
- Evaluate Contractor's Data Gap Analysis:
  - comprehensive list of Past Actions, Investigations, Demolitions, decommissioning activities and sampling activities
  - List of site features, records of closure
  - Comprehensive data compilation and analysis
- Determine need for additional actions
- Continue the investigation/clean-up process
- Complete Decision Documents
- Follow Decision Document recommendations
- Additional details the RAB would like to see at the next meeting?

# **Former Haines Fuel Terminal**

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Thank You

Questions?

