Agenda

Restoration Advisory Board
Naval Weapons Industrial Reserve Plant Bethpage

November 2, 2011
Town of Oyster Bay Ice Skating Center Community Room
1001 Stewart Avenue, Bethpage, New York
7:00 p.m.

Welcome and Agenda Review
Lora Fly, NAVFAC Mid-Atlantic

Meeting Minutes
All Members

Technical Progress

Site 1 Activities – Onsite Drilling Activities
Rob Sok, Tetra Tech

GM-38 Operation
Jen Good, H&S

Soil Vapor Extraction Containment System Performance and Modifications
Jen Good, H&S

OU 2 - Offsite Groundwater Investigation & Public Water Supply Design
David Brayack, Tetra Tech

Closing Remarks
Lora Fly

Presenters will be available after the program for questions.

NAVFAC
Naval Facilities Engineering Command
NAVFAC MID-ATLANTIC

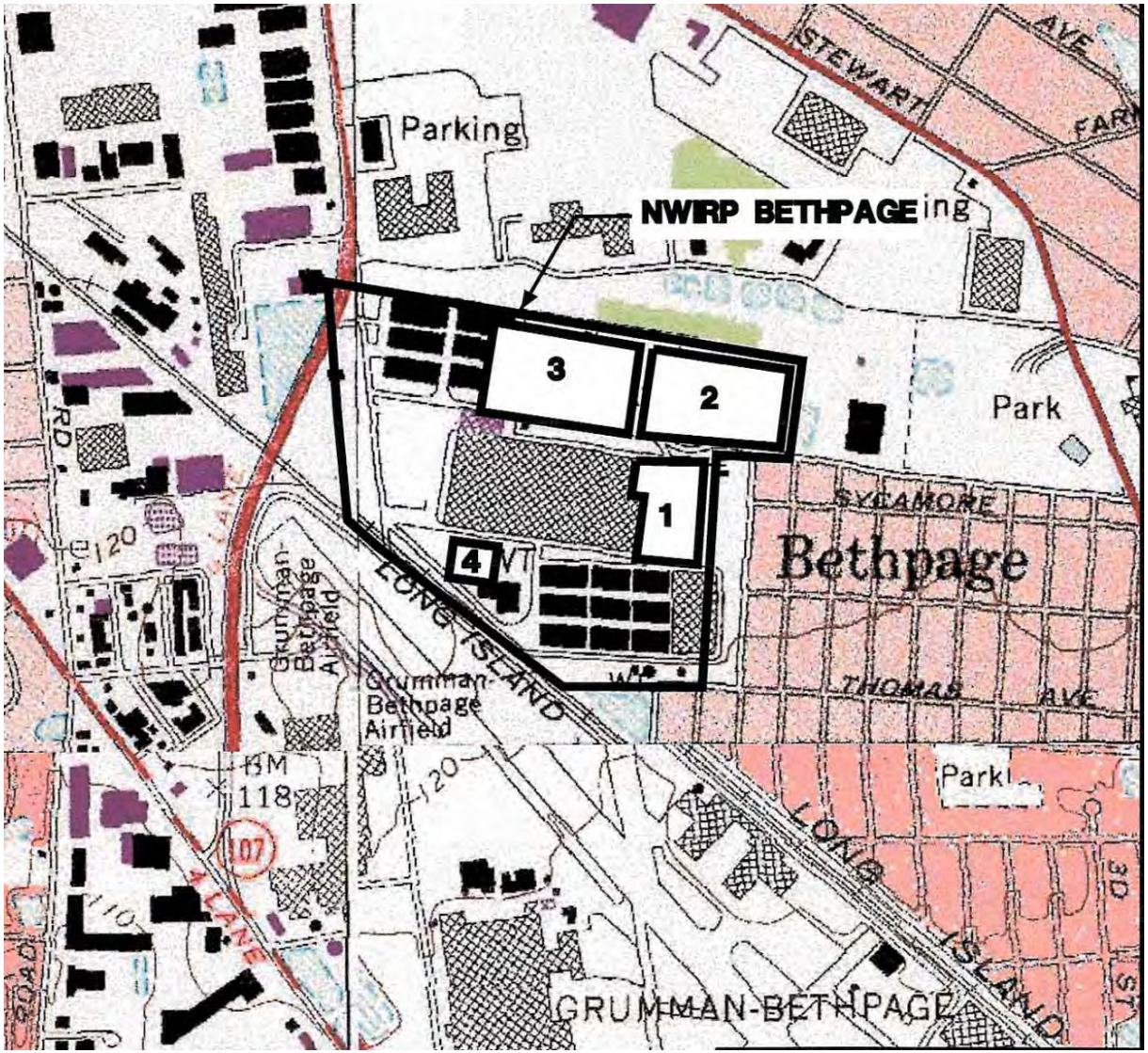
Restoration Advisory Board (RAB) Meeting

Site 1 PCB Investigation - Update

Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage

November 2, 2011

FACILITY MAP



PCB INVESTIGATION UPDATE

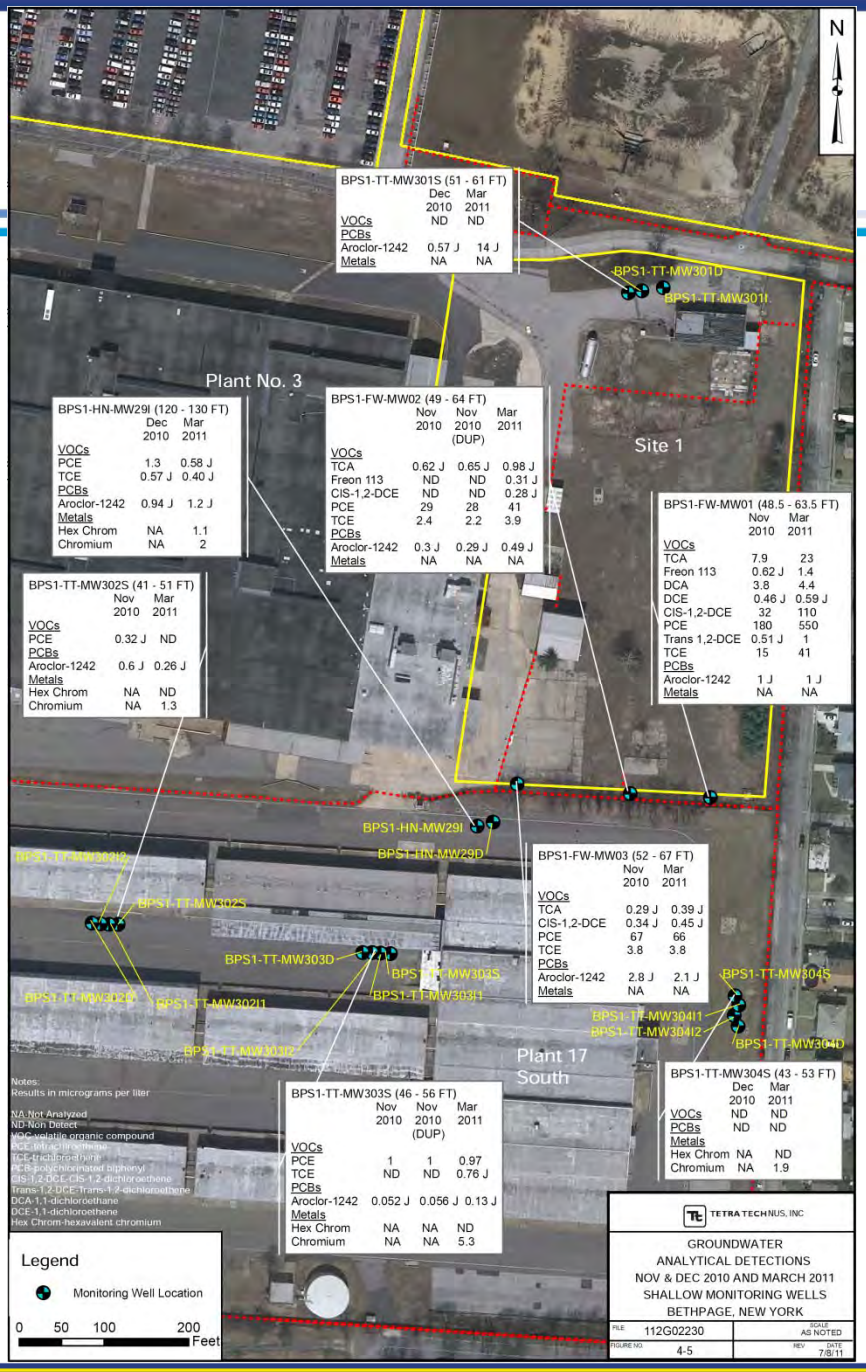
- SAP/Work Plan for PCB Investigation finalized May 2010
- Primary Objectives:
  - Delineate vertical extent of PCBs in soil
  - Determine whether PCB-contaminated groundwater has migrated beyond the site boundary
  - Determine whether organics could have acted as a carrier fluid promoting PCB migration
- 6 soil borings and 15 monitoring wells installed in 2010 via rotosonic drilling methods
- Groundwater sampling events conducted in early December 2010 and March 2011

PCB INVESTIGATION UPDATE

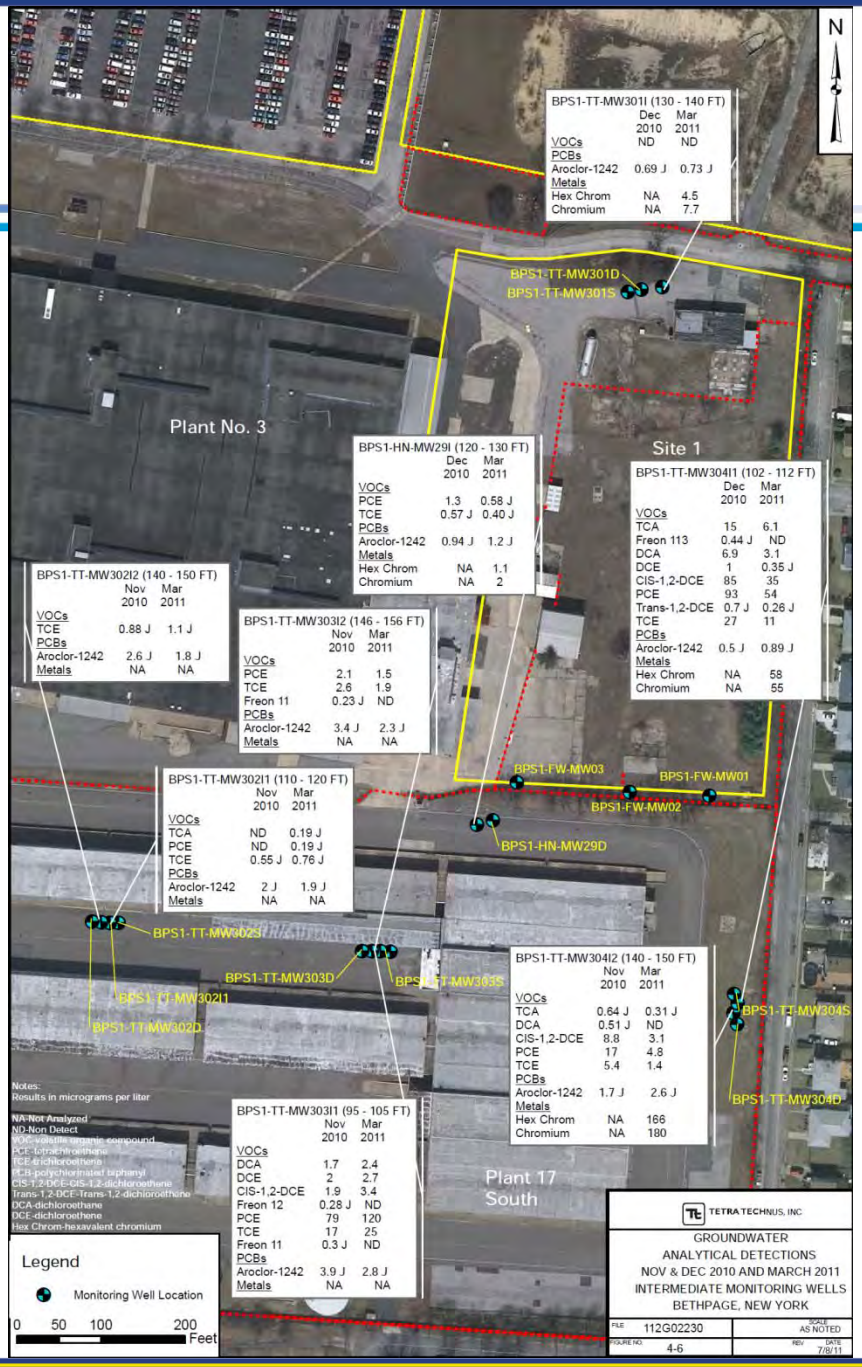
- Vertical extent of PCB contaminated soils determined at approximately 70 feet bgs in source area soil borings
- Organics (fuel and solvent-related) detected at low concentrations, not likely to affect PCB migration
- Groundwater sampling events conducted in early December 2010 and March 2011
- Results indicated PCBs in groundwater (ND to 14 µg/L)
- Results also indicated some detections of chromium (CR^{+6}) ranging from ND to 166 µg/L

PCB INVESTIGATION UPDATE

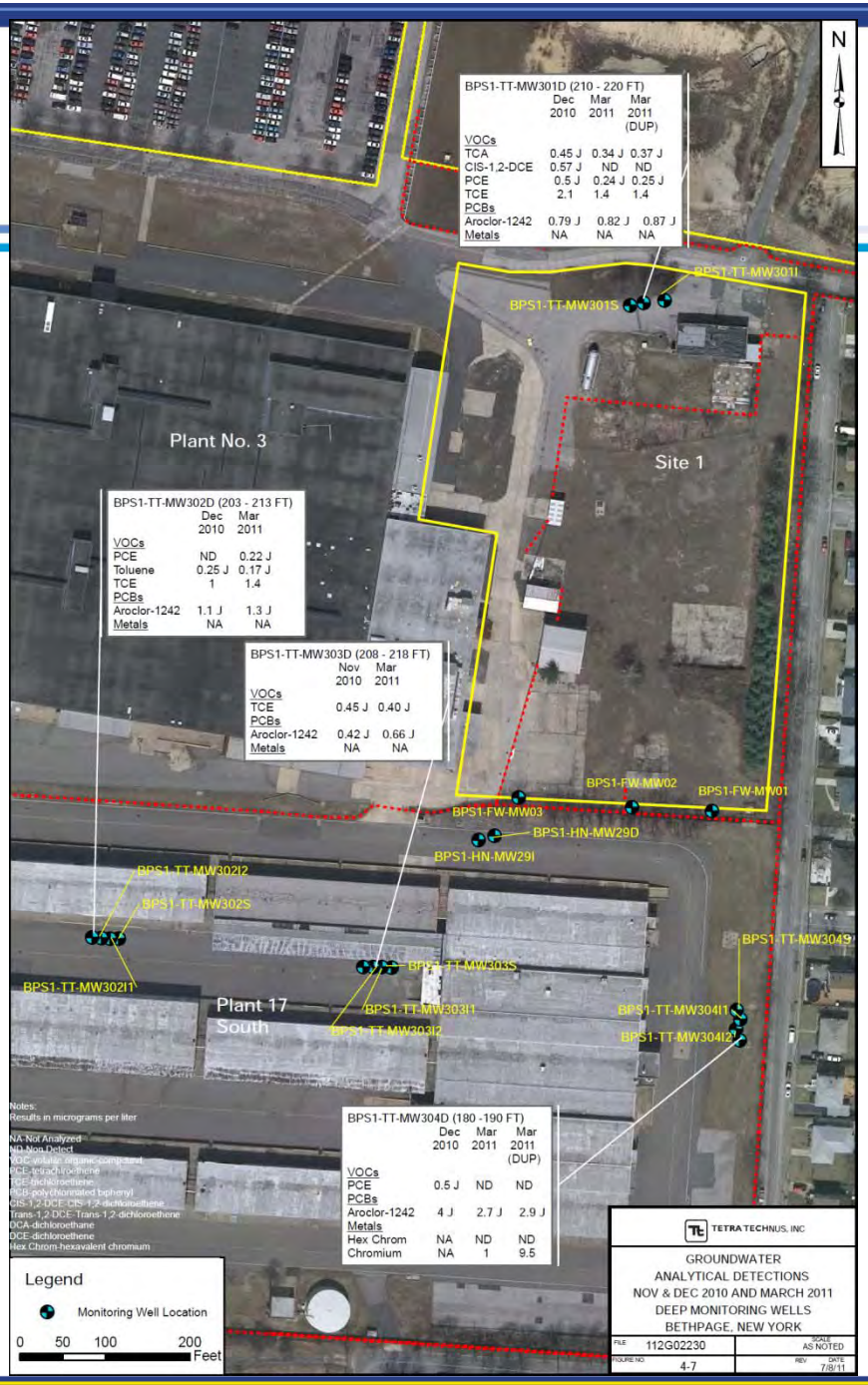
Groundwater Detections in Shallow Wells



Groundwater Detections in Intermediate Wells



Groundwater Detections in Deeper Wells



PCB INVESTIGATION UPDATE

- Based on the two rounds of groundwater sampling, additional delineation of PCBs and chromium in groundwater was needed
- Submitted Interim Report and SAP Addendum for additional groundwater investigation (June 2011)
- Objectives: Investigate potential upgradient sources and delineate extent of PCB-contaminated groundwater downgradient of Site 1
- Currently installing 15 additional monitoring wells – 6 upgradient and 9 downgradient

PCB INVESTIGATION UPDATE

PCB INVESTIGATION – FUTURE WORK

- Additional rounds of groundwater sampling planned for 2012
- Data gaps in soil delineation at Site 1 have been identified
- Further evaluating PCBs in soil (new and historical data) at Site 1
- Submittal of Interim Report and SAP Addendum addressing PCB-contaminated soils at Site 1
- Follow up soil investigation planned for Spring 2012 to address data gaps and complete soil delineation

QUESTIONS ?