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US Army Corps
of Engineers
Huntington District

FUDS - Plum Brook Ordnance Works Property

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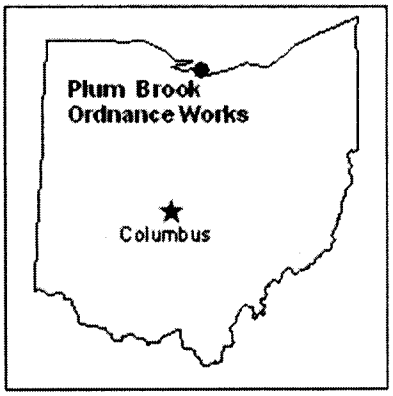

Points of Emphasis
- Property owner (NASA) has proposed to GSA to excess the West Area of site once remedial Investigations and Actions are completed.
- Site has active Restoration Advisory Board (RAB)
- Windrow Composting of contaminated soils on site has proved to be very effective.
- Completed Removal Action for TNT Area "B"
- Responsibilty Reassessment directed by Corps Headquarters at the property completed and work is continuing under FUDS program.
- Huntington District cleanup work ongoing since October 1993

Project Sponsor: Department of Defense

Project Stakeholders: NASA; Restoration Advisory Board (RAB); Perkins Township; Huron Township; Milan Township; Oxford Township; Ohio EPA

Project Location: The former Plum Brook Ordnance Works site is located four miles south of Sandusky, Ohio, near Lake Erie, and 59 miles west of Cleveland, Ohio. The site lies principally in Perkins Township, with much of the southeastern portion in Oxford Township. The eastern edge of the site extends into Huron and Milan Townships. The site is bounded by U.S. Route 250 on the east, County Road 43 on the west, Bogart Road on the North and Mason Road on the south.

Project Background: The property is a Formerly Used Defense Site (FUDS).The property was acquired in 1941 for the construction and operation of the Plum Brook Ordnance Works. Explosives (TNT DNT and Pentolite) were produced on the site until 1945. The site was later designated Plum Brook Depot and was used until 1961 for ammunition storage for the Erie Army Depot. The 9071 acres of the former site was excessed in several phases. NASA acquired and currently occupies approximately 6453.5 acres for scientific research purposes.

Project Description: The property is being remediated to protect human health and the environment under the Defense Environmental Restoration Program for FUDS. Sixteen areas of concern have been designated as projects under the FUDS program. Three of these areas have already been evaluated and closed out requiring no further action.

Project Status: Draft Decision Documents have been prepared for TNT Area "A", TNT Area "B", TNT Area "C" and the Redwater ponds. The Final Decision Documents will be completed in FY 09 after completion of the Feasibility Study for groundwater. Removal action to remove contaminated soil at TNT Area "B" was completed in November 2006 and a pilot study using innovative technology at the Pentolite Redwater pond area was completed in FY 07. A removal action to remediate contaminated soil at the Pentolite Road Redwater Pond Area is currently underway. A Feasibility Study is underway at Acid Areas 2 and 3 and will complete in FY 10. An Remedial Investigation is underway for Acid Area 1 and the Reservoir Number 2 Burning Grounds and will be complete in FY09.

FY 2008 Activities:
- Complete Pentolite Road Redwater Pond Removal Action Field work
- Complete revised Draft Proposed Plans for TNT Areas A, B and C (soil)

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- Continue Feasibility Study for Acid Areas 2 and 3
- Continue Remedial Investigation for Acid Area 1
- Continue Remedial Investigation for Reservoir Number 2 Burning Grounds
- Award Remedial Investigation contract for Garage Maintenance Area
- Award Contract for Proposed Plans and Decision Documents at Red Water Ponds project
- Award contracts for Remedial Investigations at WWTP 1 and 3, Ash Pits 1 and 3, Power House Ash Pit 2, and treatability study for TNT A and C
- Complete Feasibility Study for Groundwater

FY 2009 Activities:
- Complete Decision Documents for TNT Areas A, B, and C (soil)
- Complete Remedial Investigation for Reservoir Number 2 Burning Grounds
- Complete Remedial Investigation for Acid Area 1
- Complete Proposed Plans for Groundwater at TNT Areas and Redwater Pond areas
- Continue Restoration Advisory Board support
- Continue Remedial Investigation at Garage Maintenance Area
- Continue Remedial Investigation at WWTP 1 and 3, Ash Pits 1 and 3, Power House Ash Pit 2
- Complete Treatability Study for TNT A and C
- Prepare Proposed Plan for Groundwater
- Prepare Final Decision Document for Groundwater

FY 2007 Activities:
- Continued Groundwater Feasibility Study
- Continued Feasibility Study for Acid Areas 2 and 3
- Continued Remedial Investigation for Acid Area 1
- Completed Removal Action for TNT "B"
- Completed Pentolite Road Redwater Pond pilot study
- Awarded Removal Action Contract for Pentolite Road Redwater Pond