

SITE SURVEY SUMMARY SHEET  
FOR  
DERP-FUDS SITE NO. G05OH001800  
PLUM BROOK ORDNANCE WORKS, OHIO  
21 NOVEMBER 1998

SITE NAME: Plum Brook Ordnance Works (PBOW)

LOCATION: Sandusky, Ohio

SITE HISTORY: The site was acquired by the Department of Defense (DoD) in 1938 to manufacture 2,4,6-trinitrotoluene (TNT), dinitrotoluene (DNT), and pentolite. Production began on December 16, 1941 and continued through late 1945. In December 1945, custody of PBOW was transferred to the U.S. Army Ordnance Department, and the U.S. Army Corps of Engineers assumed responsibility for maintenance and custodial duties. In 1956, the National Advisory Committee for Aeronautics (now known as the National Aeronautics Space Administration, NASA) began leasing portions of PBOW from the Army. By 1963, approximately 6,400 acres of PBOW had been acquired by NASA for various aerospace research activities. NASA is the current major owner.

SITE VISIT: The initial site visit was conducted on 8 May 1985 by Robert P. Johannsen, CEORH-ED-D.

CATEGORY OF HAZARD: HTRW

PROJECT DESCRIPTION: Investigation of the Plum Brook Ordnance Works for Project No. G05OH001803, HTRW, has been separated into various areas of concern, and the following new HTRW projects are recommended:

- a. Project No. G05OH001813. The project consists of the preparation of a Remedial Investigation/Feasibility Study (RI/FS) for TNT Area A.
- b. Project No. G05OH001814. The project consists of the preparation of a Remedial Investigation/Feasibility Study (RI/FS) for TNT Area B.
- c. Project No. G05OH001815. The project consists of the preparation of a Remedial Investigation/Feasibility Study (RI/FS) for TNT Area C.
- d. Project No. G05OH001816. The project consists of the preparation of a Limited Site Investigation for the TNT Rail Car Loading Area.
- e. Project No. G05OH001817. The project consists of the preparation of a Limited Site Investigation for Wastewater Treatment Plants No. 1 and 3.
- f. Project No. G05OH001818. The project consists of the preparation of a Remedial Investigation/Feasibility Study (RI/FS) for Wastewater Treatment Plant No. 2.
- g. Project No. G05OH001819. The project consists of the preparation of a Limited Site Investigation for the Pentolite Area Waste Lagoons.
- h. Project No. G05OH001820. The project consists of the preparation of a Remedial Investigation/Feasibility Study (RI/FS) for the Red Water Ponds.

- i. Project No. G05OH001821. The project consists of the preparation of a Limited Site Investigation for Ash Pits No. 1 and 3.
- j. Project No. G05OH001822. The project consists of the preparation of a Remedial Investigation/Feasibility Study (RI/FS) for Powerhouse No. 2 Ash Pits.
- k. Project No. G05OH001823. The project consists of the preparation of a Site Investigation for Acid Areas 1, 2 and 3.
- l. Project No. G05OH001824. The project consists of the preparation of a Limited Site Investigation for the Lower Toluene Tanks.
- m. Project No. G05OH001825. The project consists of the preparation of a Limited Site Investigation for the Garage Maintenance Area.
- n. Project NO. G05OH001826. The project consists of a site-wide groundwater investigation (Site Investigation).

AVAILABLE STUDIES AND REPORTS:

- a. Site Investigations of the Reservoir No. 2 Burning Ground, Additional Burning Ground, Wastewater Disposal Plant No.2, and Powerhouse No.2 Ash Pit, 12/97, IT Corp.
- b. TNT Areas Site Investigation-Final Report, 4/97, Dames & Moore, Inc.
- c. TNT Areas Site Investigation-Recommendations, 5/96, Author-Dames & Moore, Inc.
- d. Sitewide Groundwater Investigation-Final Report, 4/97, Dames & Moore, Inc.
- e. Site Investigation at the G-8 Burning Ground, Revision 1, 5/96, IT Corporation
- f. Red Water Focused Remedial Investigation-Final Report, 4/97, Dames & Moore, Inc.
- g. Report for the Site Investigation at the G-8 Burning Ground, Revision 1, 3/97, IT Corporation
- h. Site-Wide Groundwater Investigation, 9/97, IT Corp.

District POC: Nancy O. Stouffer, CELRH-DL-M, (304) 529-5035, is the Geographic District Project Manager. Linda S. Ingram, CELRN-EP-R-M, (615) 736-7122, and Kevin L. Jasper, CELRL-DL-B, (502) 625-7015, are Design District Technical Coordinator, and Design District Project Manager, for the various projects.

