

PROJECT SUMMARY SHEET
DERP-FUDS HTRW PROJECT NO. G05OH001811
ADDITIONAL BURNING GROUNDS
PLUM BROOK ORDNANCE WORKS
PROPERTY NO. G05OH0018
4 OCTOBER 1999

LATITUDE/LONGITUDE:

Fox Road Burning Ground - Latitude: 41° – 22' – 23" N; Longitude: 82° – 40' – 09" W
G-8 Burning Ground - Latitude: 41° – 21' – 54" N; Longitude: 82° – 42' – 52" W
Taylor Road Burning Ground - Latitude: 41° – 21' – 55" N; Longitude: 82° – 41' – 38" W
Snake Road Burning Ground - Latitude: 41° – 21' – 43" N; Longitude: 82° – 40' – 25" W
Additional Burning Ground - Latitude: 41° – 22' – 22" N; Longitude: 82° – 40' – 19" W

LOCATION: Erie County, Sandusky, Ohio

CONGRESSIONAL DISTRICT: 5

NATIONAL PRIORITIES LIST SITE: The property is not listed on the NPL.

FORMER USE: War Department

ELIGIBLE: Yes

PROJECT DESCRIPTION: The project areas are burning grounds, designated as the Fox Road, Taylor Road, Snake Road, G-8, and the Additional Burning Grounds. The Department of Defense (DoD) utilized the former Plum Brook Ordnance Works (PBOW) from 1941 until 1945 for the manufacture of 2,4,6-trinitrotoluene (TNT), dinitrotoluene (DNT), and pentolite. During operation of the PBOW facility, burning grounds were used for destruction of off-specification TNT, explosives, acids, solvents, asbestos, and waste oil. Records indicate that the Taylor Road, Fox Road, and Snake Road burning grounds were used by NASA for waste disposal and a fire training area was located at the Snake Road Burning Ground. Previous investigations have determined that these areas have elevated levels of nitroaromatic compounds, acetone, SVOC's, and metals present in surface soils. Contamination may also be present in surface water, groundwater, and sediments.

PROJECT ELIGIBILITY: Records indicate that the DoD utilized these burning grounds for disposal of off-specification TNT, explosives, acids, solvents, asbestos, and waste oil.

POLICY CONSIDERATIONS: Current DoD policy dictates eligibility for remediation of DoD generated hazardous and toxic waste even though there was no evidence of a hazard when the property was transferred from DOD. There may be nitroaromatic, SVOC, or metals contamination present at the Additional Burning Grounds that could be attributed to DoD use.

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Additional Burning Grounds
Plum Brook Ordnance Works

PROPOSED PROJECT: A Site Investigation of the G-8 Burning Grounds was accomplished between December 1995 – May 1996. The final report was issued 14 March 1997. The objectives of the SI were to define the location/extent of the burning grounds; determine the presence of contamination in sediment and soils; and determine the need for further investigation. The investigation discovered that soil and sediment were impacted by one PAH and seven metals. The report recommended further evaluation of constituents that were above Risk Based Concentrations and the installation of one-bedrock monitoring well.

A Site Investigation of the Additional Burning Ground was accomplished September – October 1996. The final report was issued 23 December 1997. The objectives of the SI were to define the location/extent of the burning grounds; determine the presence of contamination in shallow soils; determine threats to human health; and determine the need for further investigation. The SI determined that surficial soils contained polynuclear aromatic hydrocarbons, PCB, nitroaromatics, and metals that exceeded Risk Based Concentrations, and recommended that a risk assessment be performed.

Based upon the results and recommendations from the two previous SI's, it is recommended that a Remedial Investigation be conducted at the Additional Burning Grounds (5 total sites). Additional information should be obtained to fill identified data gaps from the G-8 and Additional Burning Ground Site Investigations to complete risk assessments for those sites. Previous investigations at the Fox Road, Taylor Road, and Snake Road burning grounds should be reviewed to identify data gaps and obtain the data necessary to prepare risk assessments for those sites. The need for and type of remedial actions at the five burning grounds will depend on the results of the risk assessments.

EPA Form 2070-12: Attached.

DD Form 1391: Attached.

DISTRICT POC: Richard L. Meadows, CELRH-DL-M, (304) 529-5388, is the Geographic District Project Manager for the PBOW FUDS property. Linda S. Ingram, CELRN-EP-R-M, (615) 736-7122, is the Design District Technical Coordinator for this PBOW project.