

PROJECT SUMMARY SHEET
FOR
DERP-FUDS HTRW PROJECT NO. G05OH001822
POWER HOUSE NO. 2 ASH PITS
PLUM BROOK ORDNANCE WORKS
SANDUSKY, OHIO
SITE NO. G05OH001800
21 NOVEMBER 1998

PROJECT DESCRIPTION: The project area is former Power House No. 2 ash pits. The former Plum Brook Ordnance Works (PBOW) was utilized by the Department of Defense (DoD) from 1941 until 1945 for the manufacture of 2,4,6-trinitrotoluene (TNT), dinitrotoluene (DNT), and pentolite. During this period, DoD constructed and utilized three (3) coal burning power plants in support of the PBOW activities. The ash pits from Power Houses Nos. 1 and 3 are the focus of Project No. G05OH001821. The ash pits served as disposal areas for ash that was generated from the power plants. The ash from each boiler collected in pits at the power plant. Water was added to the ash and the slurry flowed to an ash sump in the building. The slurry then traveled through pipelines to nearby surface impoundments (ash pits).

PROJECT ELIGIBILITY: Records indicate that Power House No. 2 and its ash pits were utilized by DoD for operation of the former PBOW. Based on past site activities, heavy metals are the likely contaminants of concern at the ash pits.

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. Any metals contamination, above background levels, present at the ash pits would be from direct DoD use of the site.

PROPOSED PROJECT: An HTRW project is proposed which consists of the preparation of a Remedial Investigation/Feasibility Study to determine the nature and extent of surface and subsurface soil contamination at the ash pits. The site-wide groundwater study should be sufficient to determine if the ash pits have contributed to groundwater contamination, if that study analyzes for heavy metals.

EPA Form 2070-12: Attached.

DD Form 1391: Attached.

District POC: Nancy O. Stouffer, (304) 529-5035, CELRH-DL-M, is the Geographic District Project Manager, and Linda S. Ingram, (615) 736-7122, CELRN-EP-R-M, is the Design District Technical Coordinator, for the PBOW site.

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 POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT				I. IDENTIFICATION 01 STATE 02 SITE NUMBER	
II. SITE NAME AND LOCATION					
01 SITE NAME (Legal, common, or descriptive name of site) <u>Rum Brook Ordnance Works</u>			02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER		
03 CITY <u>SAN JESSEY</u>		04 STATE <u>OH</u>	05 ZIP CODE	06 COUNTY <u>ERIE</u>	07 COUNTY CODE 08 CONG DIST <u>5</u>
09 COORDINATES LATITUDE <u>41 22 37</u>		LONGITUDE <u>82 42 21</u>			
10 DIRECTIONS TO SITE (Starting from nearest public road) <u>I 80, NORTH 0.1 MILE ON RT 4, EAST 0.2 MILE ON RT 13. SITE NEAR BLOOMINGVILLE</u>					
III. RESPONSIBLE PARTIES					
01 OWNER (If known) <u>US ARMY CORPS OF ENGRS</u>			02 STREET (Business, making, residential) <u>502 8TH STREET</u>		
03 CITY <u>HUNTINGTON</u>		04 STATE <u>WV</u>	05 ZIP CODE <u>25701</u>	06 TELEPHONE NUMBER <u>(304) 529-5160</u>	
07 OPERATOR (If known and different from owner)			08 STREET (Business, making, residential)		
09 CITY		10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER	
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input checked="" type="checkbox"/> B. FEDERAL: <u>NASA</u> <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input checked="" type="checkbox"/> F. OTHER: <u>FORMER DOD</u> <input type="checkbox"/> G. UNKNOWN <small>(Specify)</small>					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: _____ <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: _____ <input type="checkbox"/> C. NONE <small>MONTH DAY YEAR</small>					
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <u>2-1-90</u> <input type="checkbox"/> NO <small>MONTH DAY YEAR</small>		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input checked="" type="checkbox"/> F. OTHER: <u>NASHVILLE CORPS</u> <small>(Specify)</small>			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION <u>1941</u> <u>1945</u> <small>BEGINNING YEAR ENDING YEAR</small> <input type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED <u>FLY ASH (HEAVY METALS, ORGANICS)</u>					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION <u>SOIL AND GROUND WATER CONTAMINATION</u>					
V. PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input checked="" type="checkbox"/> A. HIGH <small>(inspection required promptly)</small> <input type="checkbox"/> B. MEDIUM <small>(inspection required)</small> <input type="checkbox"/> C. LOW <small>(inspect on time available basis)</small> <input type="checkbox"/> D. NONE <small>(No further action needed, complete current disposition form)</small>					
VI. INFORMATION AVAILABLE FROM					
01 CONTACT <u>FRANK ALBERT</u>		02 OF (Agency/Organization) <u>HUNTINGTON DISTRICT CORPS ENGRS</u>		03 TELEPHONE NUMBER <u>(304) 529-5160</u>	
04 PERSON RESPONSIBLE FOR ASSESSMENT <u>SAME</u>		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE <u>11 21 98</u> <small>MONTH DAY YEAR</small>

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 A. GROUNDWATER CONTAMINATION 02 OBSERVED (DATE: 2/90) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 7100 04 NARRATIVE DESCRIPTION

01 B. SURFACE WATER CONTAMINATION 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 C. CONTAMINATION OF AIR 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 D. FIRE/EXPLOSIVE CONDITIONS 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 E. DIRECT CONTACT 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 F. CONTAMINATION OF SOIL < 1 ACRE 02 OBSERVED (DATE: 2/90) POTENTIAL ALLEGED
03 AREA POTENTIALLY AFFECTED: < 1 ACRE 04 NARRATIVE DESCRIPTION

01 G. DRINKING WATER CONTAMINATION 02 OBSERVED (DATE: 2/90) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: > 100 04 NARRATIVE DESCRIPTION

NO KNOWN USERS OF AQUIFER

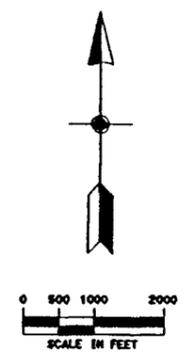
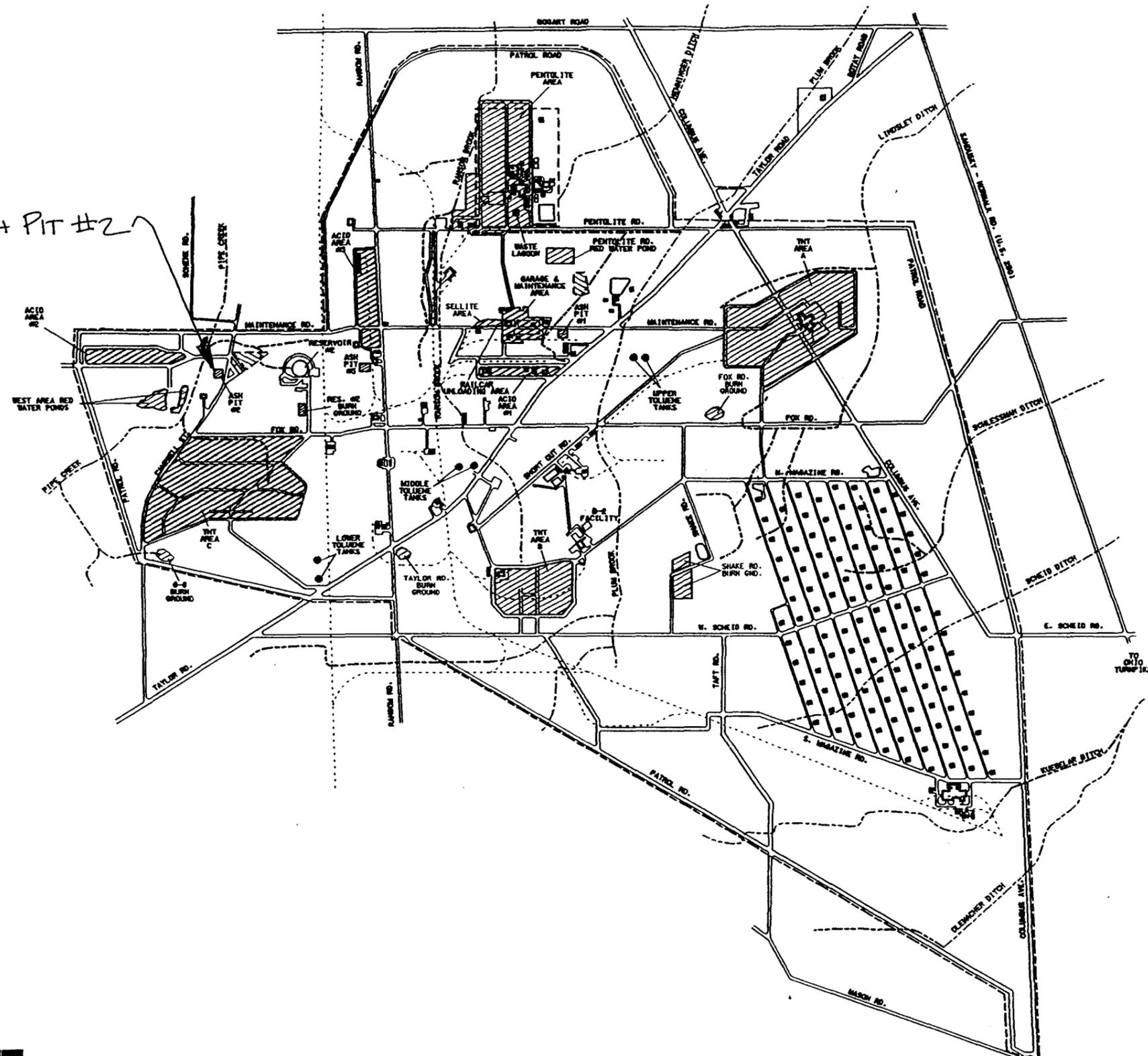
01 H. WORKER EXPOSURE/INJURY 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 I. POPULATION EXPOSURE/INJURY 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

1. COMPONENT ARMY	FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE NOV 1998		
3. INSTALLATION AND LOCATION Plum Brook Ordnance Works Sandusky, Ohio			4. PROJECT TITLE DERP-FUDS HTRW – RI/FS		
5. PROGRAM ELEMENT DERP-FUDS	6. CATEGORY CODE HTRW	7. PROJECT NUMBER G05OH001822	8. PROJECT COST (\$000) \$325.3		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
Prepare Remedial Investigation/Feasibility Study					\$292.8
Contract Administration and Supervision by CELRN					\$ 32.5
Project Management by CELRH					<u>\$ 25.0</u>
TOTAL					\$325.3
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Prepare a Remedial Investigation/Feasibility Study on the subject Powerhouse No. 2 Ash Pits. Work will include:</p> <ol style="list-style-type: none"> 1. Installation of monitoring wells. 2. Soil borings. 3. Sampling and chemical analysis of soil and water samples 4. Preparation of Feasibility Study that will identify alternatives for cleanup and their costs. 					

PLUM BROOK ORDNANCE WORKS
SANDUSKY, OHIO

Ash Pit #2



LEGEND:	
	STREAM
	RAILROAD
	PBS BOUNDARY FENCE
	AREA OF CONCERN
	MIS-LOCATED AOC (Sampled by M-K, 1994a)

ICI INTERNATIONAL CONSULTANTS, INC.

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FIGURE 1-2		DATE 12 JUL 95
LOCATIONS of AREAS of CONCERN (AOCs) at PBOW		PREPARED JET
		CHECKED DBJ