

PROJECT SUMMARY SHEET
FOR
DERP-FUDS HTRW PROJECT NO. G05OH001823
ACID AREAS NO. 1, 2 AND 3
PLUM BROOK ORDNANCE WORKS
SANDUSKY, OHIO
SITE NO. G05OH001800
21 NOVEMBER 1998

PROJECT DESCRIPTION: The project areas are former Acid Areas No. 1, 2 and 3. 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) acid areas to manufacture nitric and sulfuric acids, for use in the various stages of manufacturing TNT and pentolite.

PROJECT ELIGIBILITY: Records indicate that Acid Areas No. 1, 2, and 3 were utilized by DoD for operation of the former PBOW. Based on past site activities, the acids areas are likely to be contaminated from nitric and sulfuric acids.

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 acids contamination present at the acids areas would be from direct DoD use of the site.

PROPOSED PROJECT: An HTRW project is underway, which consists of the preparation of a Site Investigation to determine if contamination exists, and the nature of the contaminants. Sediment and surface soil sampling and analysis have been completed. Additional studies of the acids areas will depend on the SI results.

EPA Form 2070-12: Attached.

DD Form 1391: Attached.

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

P.N. G 0504001823

 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>RUN BROOK ORANGE WOODS</u>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER	
03 CITY <u>SARASOTA</u>	04 STATE <u>FL</u>	05 ZIP CODE	06 COUNTY <u>ERIE</u>
07 COUNTY CODE	08 CONG DIST <u>S</u>		
09 COORDINATES LATITUDE <u>41 22 35</u>		LONGITUDE <u>82 41 51</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 ENGRS</u>		02 STREET (Business, mailing, 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>304 529-5760</u>
07 OPERATOR (if known and different from owner)		08 STREET (Business, mailing, 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 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			
IV. CHARACTERIZATION OF POTENTIAL HAZARD			
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <u>2-1-90</u> <input type="checkbox"/> NO MONTH DAY YEAR		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 CORP</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>NITRIC AND SULFURIC ACID</u>			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION <u>SOIL AND GROUNDWATER 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 (inspection required promptly) <input type="checkbox"/> B. MEDIUM (inspection required) <input type="checkbox"/> C. LOW (inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
VI. INFORMATION AVAILABLE FROM			
01 CONTACT <u>FRANK AUBERT</u>		02 OF (Agency/Organization) <u>HUNTINGTON DISTRICT CORP</u>	
03 TELEPHONE NUMBER <u>304 529-5760</u>			
04 PERSON RESPONSIBLE FOR ASSESSMENT <u>SOME</u>		05 AGENCY	06 ORGANIZATION
07 TELEPHONE NUMBER ()		08 DATE / / <small>MONTH DAY YEAR</small>	

PH G0504001823



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 02 OBSERVED (DATE: 2/90) POTENTIAL ALLEGED
03 AREA POTENTIALLY AFFECTED: 35 Acres 04 NARRATIVE DESCRIPTION
Acres

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

No known users

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



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 (Continued)

01 J. DAMAGE TO FLORA 02 OBSERVED (DATE: 2/9/02) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

01 K. DAMAGE TO FAUNA 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION (include names) of species

01 L. CONTAMINATION OF FOOD CHAIN 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

01 M. UNSTABLE CONTAINMENT OF WASTES 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
(Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 N. DAMAGE TO OFFSITE PROPERTY 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

01 P. ILLEGAL/UNAUTHORIZED DUMPING 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 7100

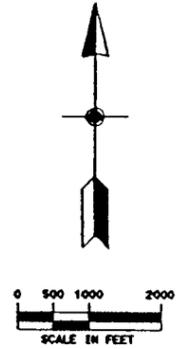
IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

PLUM BROOK ORDNANCE WORKS
SITE MANAGEMENT PLAN
SEP 1995 ICT, INC

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 G05OH001823		8. PROJECT COST (\$000) \$984.2
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
Prepare Remedial Investigation/Feasibility Study					\$820.2
Contract Administration and Supervision by CELRN					\$164.0
Project Management by CELRH					\$ 41.0
TOTAL					\$984.2
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Prepare a Remedial Investigation/Feasibility Study on the subject Acid Areas No. 1, 2 and 3. 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



LEGEND:

- ! STREAM
- RAILROAD
- - - PBS BOUNDARY FENCE
- [Hatched Box] AREA OF CONCERN
- [Diagonal Lines Box] MIS-LOCATED AOC (Sampled by M-K, 1994a)

ACID AREA #3

ACID AREA #2

ACID AREA #1

ICI INTERNATIONAL CONSULTANTS, INC.

90504 001823

FIGURE 1-2
LOCATIONS of AREAS of CONCERN (AOCs) at PBOW

DATE	12 JUL 95
PREPARED	JET
CHECKED	DBJ