

PROJECT SUMMARY SHEET  
FOR  
DERP-FUDS HTRW PROJECT NO. G05OH001825  
GARAGE MAINTENANCE AREA  
PLUM BROOK ORDNANCE WORKS  
SANDUSKY, OHIO  
SITE NO. G05OH001800  
21 NOVEMBER 1998

**PROJECT DESCRIPTION:** The project area is the Garage Maintenance Area. The former Plum Brook Ordnance Works (PBO) 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 a garage and maintenance area for the general maintenance of equipment and vehicles. Underground storage tanks were installed for the storage of gasoline, solvents, and waste oil. These tanks have since been removed. The Garage and Maintenance Area operated from 1941 until 1945.

**PROJECT ELIGIBILITY:** Records indicate that the garage and maintenance area was utilized by DoD for operation of the former PBO. The area is occupied used by the current property owner, NASA, and used in support of their activities. NASA installed UST's in 1964 and 1982 and subsequently removed them. Two additional UST's were installed by NASA in 1990 and are currently used for the storage of gasoline and diesel fuel.

**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 solvent and fuel contamination present at the garage and maintenance area that could be attributed to direct DoD use of the site.

**PROPOSED PROJECT:** An HTRW project is proposed which consists of a Limited Site Investigation. It is recommended that the results from previous UST investigations be thoroughly reviewed to determine the potential for contamination at the site. If additional investigations are required, a SI should be conducted to determine the nature of the contamination. Surface and subsurface soil should be sampled and analyzed, and samples should be analyzed from existing monitoring wells near the facility. Further studies of the garage and maintenance area 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 Kevin L. Jasper, CELRL-DL-B, (502) 625-7015, is the Design District Project Manager, for the PBO site.

G0504001825

 <b>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT</b> PART 1 - SITE INFORMATION AND ASSESSMENT		I. IDENTIFICATION	
		01 STATE	02 SITE NUMBER
<b>II. SITE NAME AND LOCATION</b>			
01 SITE NAME (Legal, common, or descriptive name of site) <u>PLUM BROOK ORANGE WORKS</u>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER	
03 CITY <u>SAN ANTONIO</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 41</u> LONGITUDE <u>82 41 15</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>			
<b>III. RESPONSIBLE PARTIES</b>			
01 OWNER (If known) <u>US ARMY CORPS ENGRS</u>		02 STREET (Business, mailing, residential) <u>502 8TH ST SW</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 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: ___/___/___ MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___/___/___ MONTH DAY YEAR <input type="checkbox"/> C. NONE			
<b>IV. CHARACTERIZATION OF POTENTIAL HAZARD</b>			
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES    DATE <u>2 190</u> MONTH DAY YEAR <input type="checkbox"/> NO		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> <input type="checkbox"/> UNKNOWN <small>BEGINNING YEAR    ENDING YEAR</small>	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED <u>SO LVENTS, WASTE OILS</u>			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION <u>SOIL AND GROUND WATER CONTAMINATION</u>			
<b>V. PRIORITY ASSESSMENT</b>			
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)			
<b>VI. INFORMATION AVAILABLE FROM</b>			
01 CONTACT <u>FRANK ALBERT</u>		02 OF (Agency/Organization) <u>HUNTINGTON CORPS</u>	
04 PERSON RESPONSIBLE FOR ASSESSMENT <u>SAME</u>		05 AGENCY	06 ORGANIZATION
		07 TELEPHONE NUMBER ( )	08 DATE <u>11 21 98</u> MONTH DAY YEAR



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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: \_\_\_\_\_)       POTENTIAL       ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_      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: \_\_\_\_\_)       POTENTIAL       ALLEGED  
 03 AREA POTENTIALLY AFFECTED: 15 ACRES      04 NARRATIVE DESCRIPTION  
(Acres)

01  G. DRINKING WATER CONTAMINATION      02  OBSERVED (DATE: \_\_\_\_\_)       POTENTIAL       ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: 2100      04 NARRATIVE DESCRIPTION  
 USERS NOT KNOWN

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  
04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED

01  K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED

01  L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED

01  M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoff/standing liquids/leaking drums)  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED

01  N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED

01  O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED

01  P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED

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 ORDINANCE WORKS  
SITE MANAGEMENT PLAN  
SEP 1995 ICD, INC.

1. COMPONENT ARMY	FY 1999MILITARY CONSTRUCTION PROJECT DATA	2. DATE NOV 1998
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3. INSTALLATION AND LOCATION Plum Brook Ordnance Works Sandusky, Ohio	4. PROJECT TITLE DERP-FUDS HTRW – SI
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5. PROGRAM ELEMENT DERP-FUDS	6. CATEGORY CODE HTRW	7. PROJECT NUMBER G05OH001825	8. PROJECT COST (\$000) \$691.9
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**9. COST ESTIMATES**

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
Prepare Limited Site Investigation				\$622.7
Contract Administration and Supervision by CELRL				<u>\$ 69.2</u>
<b>TOTAL</b>				<b>\$691.9</b>

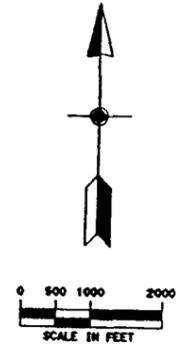
**10. DESCRIPTION OF PROPOSED CONSTRUCTION**

Prepare a Limited Site Investigation Study on the subject Garage Maintenance Area. Work will include:

1. Sampling and chemical analysis of soil and water samples
2. Preparation of a Limited Site Investigation Report and recommendation for the need for further investigation (RI/FS) of the Garage Maintenance Area.

Garage Maintenance Area

PLUM BROOK ORDNANCE WORKS  
SANDUSKY, OHIO



LEGEND:

- ! STREAM
- RAILROAD
- PBS BOUNDARY FENCE
- ▨ AREA OF CONCERN
- ▩ MIS-LOCATED AOC (Sampled by M-K, 1994d)

**ICI** INTERNATIONAL CONSULTANTS, INC.

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

DATE	12 JUL 95
PREPARED	JET
CHECKED	OBJ