

US Army Corps  
of Engineers

*Parks Township Shallow Land  
Disposal Area (SLDA) Site*

**PUBLIC INFORMATION SESSION**

**8 May 2002**



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## *Parks Township SLDA Site*

### **Formerly Utilized Sites Remedial Action Program (FUSRAP) History and Background**

- **FUSRAP established by the Department of Energy (DOE) under their Atomic Energy Act (AEA) authority in 1974 to identify, evaluate, and remediate sites.**
- **Includes sites that supported Manhattan Engineering District (MED) and Atomic Energy Commission (AEC) activities and sites added by Congress.**
- **Generally low-level radioactive materials.**



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### **Formerly Utilized Sites Remedial Action Program (FUSRAP) History and Background Cont'd.**

- **Congress transferred FUSRAP from DOE to the Corps on October 13, 1997 in the Energy and Water Development Appropriations Act of 1998.**
- **Corps and DOE signed Memorandum of Understanding (MOU) in March 1999.**
- **Corps and Nuclear Regulatory Commission (NRC) signed MOU in July 2001.**



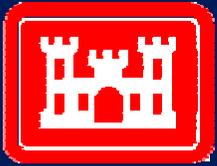
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## **United States Army Corps of Engineers (USACE) Authority for the Formerly Utilized Sites Remedial Action Program (FUSRAP)**

**Energy and Water Development Appropriations  
Act of 2000 directs USACE to conduct response  
actions within the following legal framework:**

- Comprehensive Environmental Response,  
Compensation, and Liability Act as amended  
(CERCLA)**
- National Oil and Hazardous Substances  
Pollution Contingency Plan (NCP)**



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LAKE ERIE

NY

PA

Shallow Land Disposal  
Area (SLDA) at  
Parks Township

Pittsburgh

PA

MD

OH

WV

Mon R.

Cheat R.

Yough R.

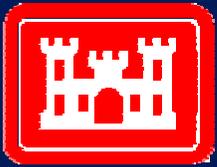
Allegheny R.

Ohio R.

WV

VA

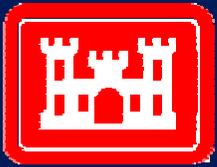




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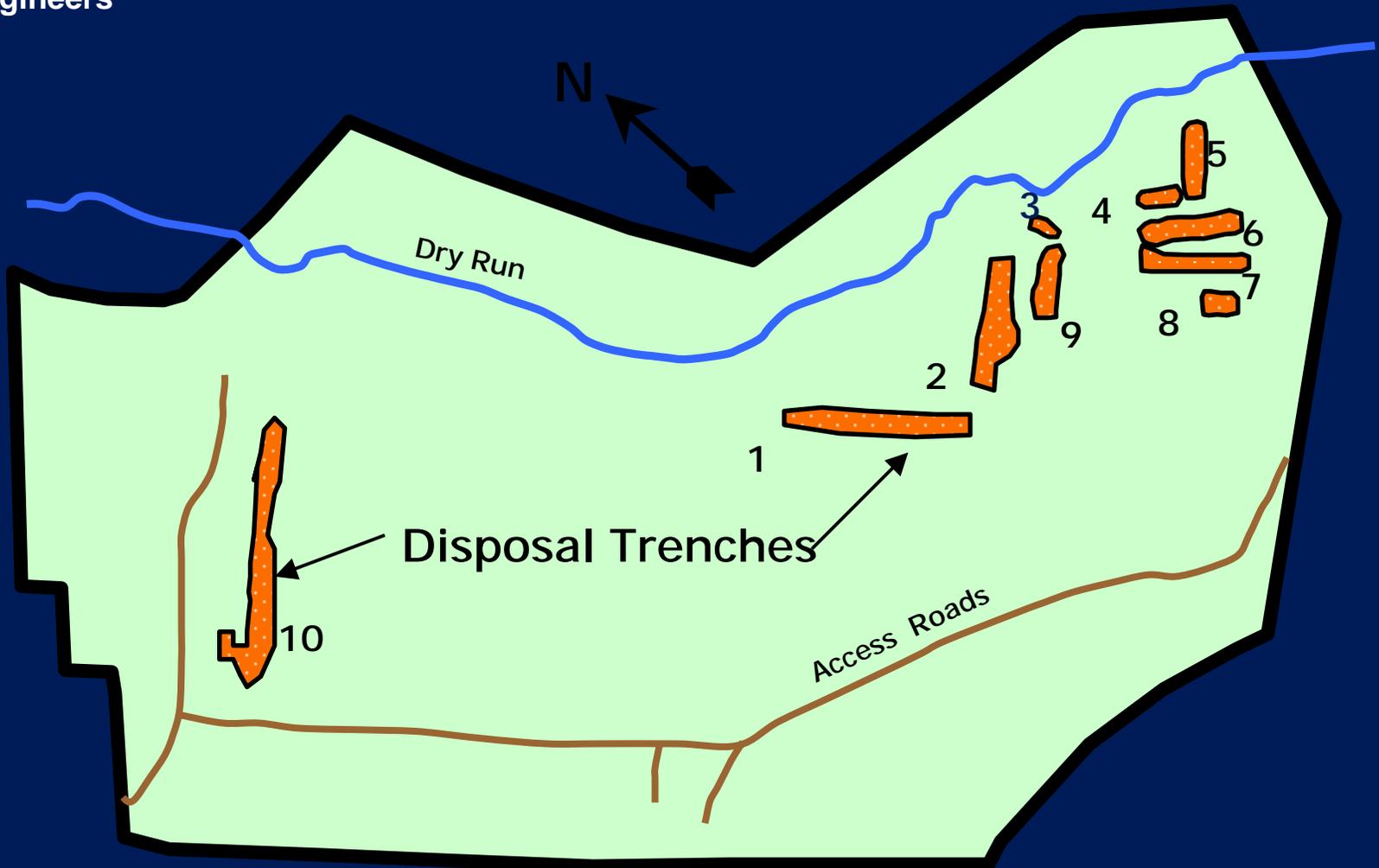


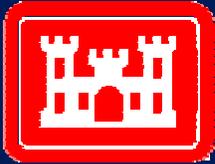


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# Parks Township SLDA Site

## Trench Locations

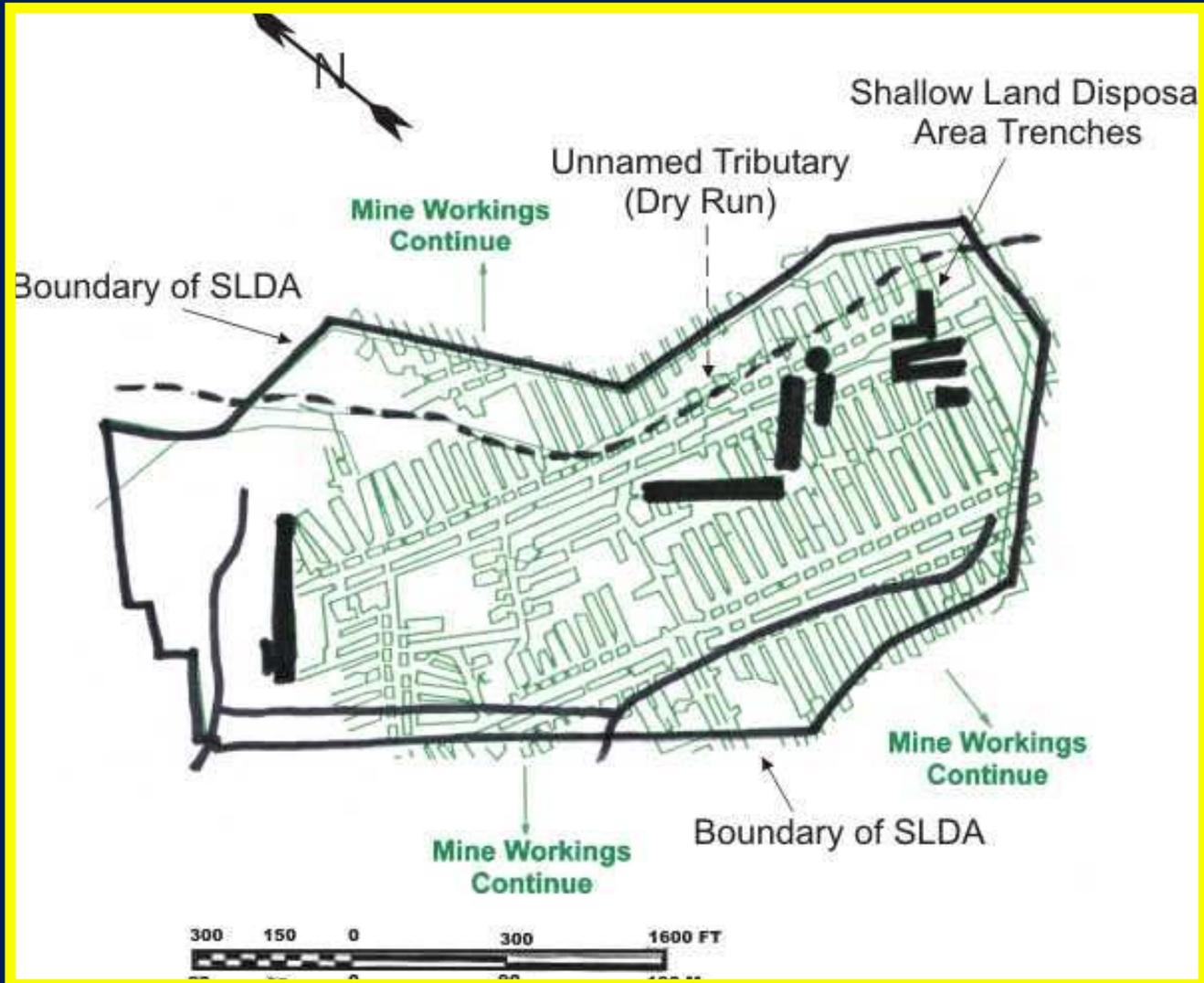


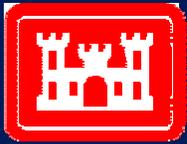


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# Parks Township SLDA Site

## Trench Locations and Mine Workings



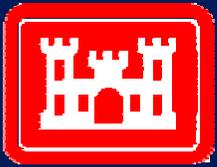


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## *Parks Township SLDA Site*

### **Preliminary Assessment (PA) Conclusions**

- **PA is a quick overview of readily available information to determine if there is a release or threat of release to the environment and if there is a need for future action under CERCLA. Permitted release is not considered a release.**
- **The possibility exists that migration of Atomic Energy Commission-related contaminants could occur in the future. This possible future migration may occur due to mine subsidence or the completion of surface-water, groundwater, soil, or air exposure pathways, and may present a substantial danger to human health and the environment in the future.**



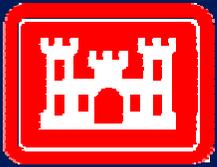
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## *Parks Township SLDA Site*

### **Legislation and NRC's Role**

- **NRC Licensed site.**
- **No evidence of release or immediate threat of release to trigger CERCLA response action.**
- **In Defense Appropriations Bill for 2002, Congress directed USACE to clean up the site under FUSRAP program.**
- **NRC will work with USACE under 2001 MOU to put the license in abeyance during CERCLA/FUSRAP clean up.**
- **NRC is expected to terminate the license after FUSRAP action is complete.**

8 May 2002



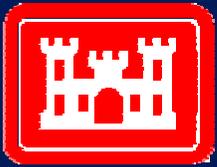
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## *Parks Township SLDA Site*

### **Current Status**

- **Preliminary Assessment (PA) Report was released on March 11, 2002.**
- **Corps is proceeding with the project in accordance with the Defense Appropriations Act of 2002, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Formerly Utilized Sites Remedial Action Program (FUSRAP) requirements.**



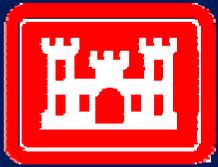


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## *Parks Township SLDA Site*

### **Remedial Investigation (RI)**

- **Characterize site conditions.**
- **Determine the nature and extent of contamination.**
- **Assess risk to human health and the environment.**



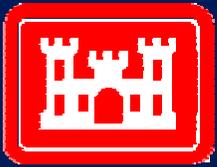
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## *Parks Township SLDA Site*

### **Feasibility Study (FS)**

#### **Develop and screen alternatives:**

- **Identify remedial action objectives,**
- **Identify potential treatment, resource recovery and containment technologies,**
- **Screen the technologies based on effectiveness, implementability, and cost, and**
- **Assemble technologies and their associated containment or disposal requirements into potential alternatives.**



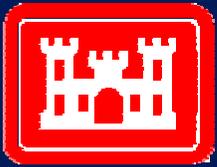
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### **Feasibility Study (FS) Cont'd.**

**Detailed analysis of Remedial Alternatives based on:**

- **Overall protection of human health and the environment,**
- **Compliance with Applicable or Relevant and Appropriate Requirements (ARARs),**
- **Long-term effectiveness and permanence,**
- **Reduction of toxicity, mobility, or volume,**
- **Short-term effectiveness,**
- **Implementability,**
- **Cost,**
- **State acceptance, and**
- **Community acceptance.**

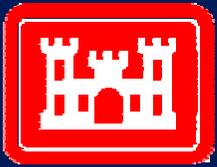


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### **Proposed Plan (PP)**

- **Identifies preferred alternative (proposed cleanup alternative).**
- **Outlines pertinent information from remedial investigation and feasibility study.**
- **Provides a summary of alternatives evaluated.**
- **Hold public meeting at which the proposed plan will be formally presented. Minimum 30 day comment period. Public comments will be considered.**

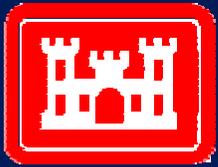


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### **Record of Decision (ROD)**

- **Documents the selected remedy for the site.**
- **Certifies that the remedy selection process has followed the requirements of CERCLA and NCP.**
- **Discusses the technical components of the remedy.**
- **Provides the public with a consolidated source of information about the site.**

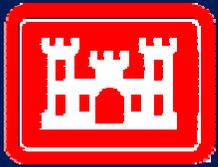


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### **Remedial Design (RD)**

**Preparation of technical plans and specifications for implementation of the selected remedial alternative.**

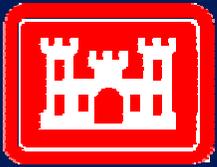


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### **Remedial Action (RA)**

- **Develop site work and health and safety plans.**
- **Perform remedial actions necessary to comply with Record of Decision requirements.**
- **Monitor site activities throughout the remediation process to be protective of human health and the environment.**
- **Closeout the cleanup process in coordination with the State and other stakeholders.**



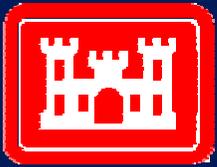
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### **Project Schedule**

<u>Step</u>	<u>Start</u>	<u>Finish</u>
<b>Remedial Investigation</b>	<b>February 2002</b>	<b>April 2004</b>
<b>Feasibility Study</b>	<b>October 2003</b>	<b>April 2005</b>
<b>Proposed Plan</b>	<b>November 2004</b>	<b>October 2005</b>
<b>Record of Decision</b>	<b>September 2005</b>	<b>July 2006</b>
<b>Remedial Design</b>	<b>September 2005</b>	<b>August 2006</b>
<b>Remedial Action</b>	<b>August 2006</b>	<b>September 2007</b>

**Note: Schedule assumes unconstrained funding**



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# *Questions?*

*Website: <http://www.lrp.usace.army.mil>*