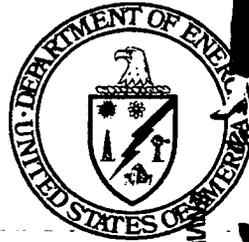


# MOUND



**Environmental  
Restoration  
Program**

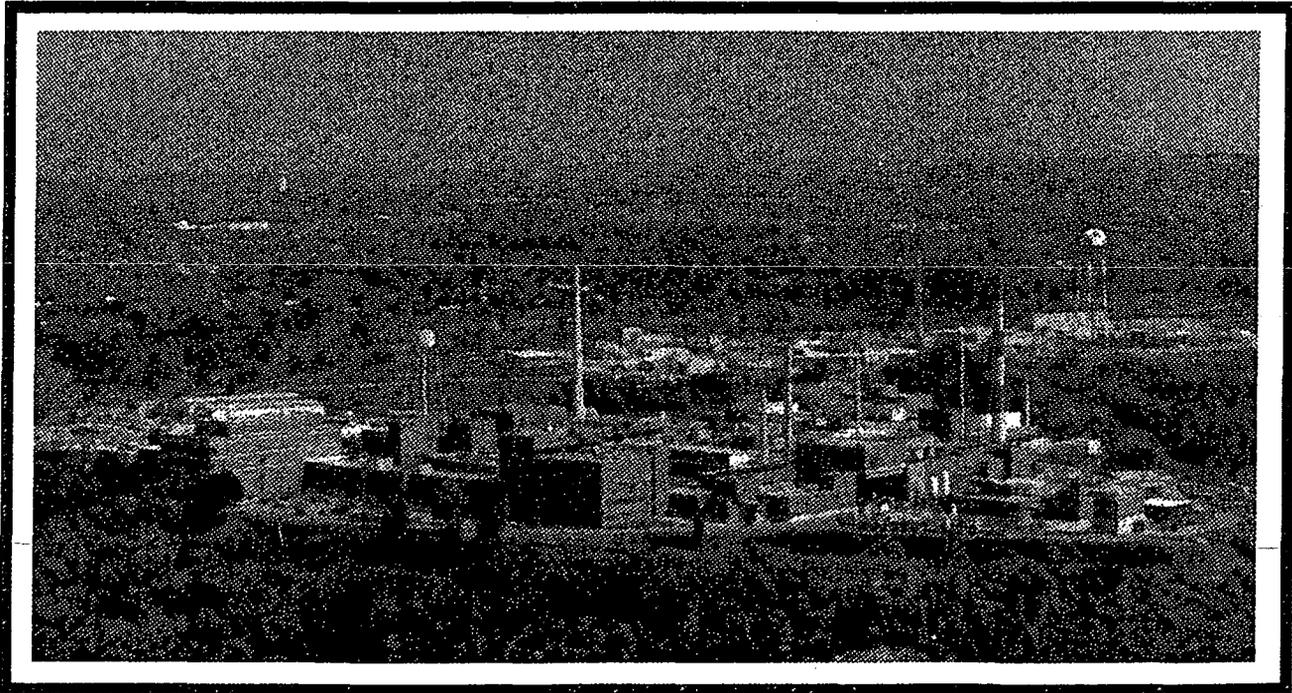


**OhioEPA**

# **MOUND PLANT**

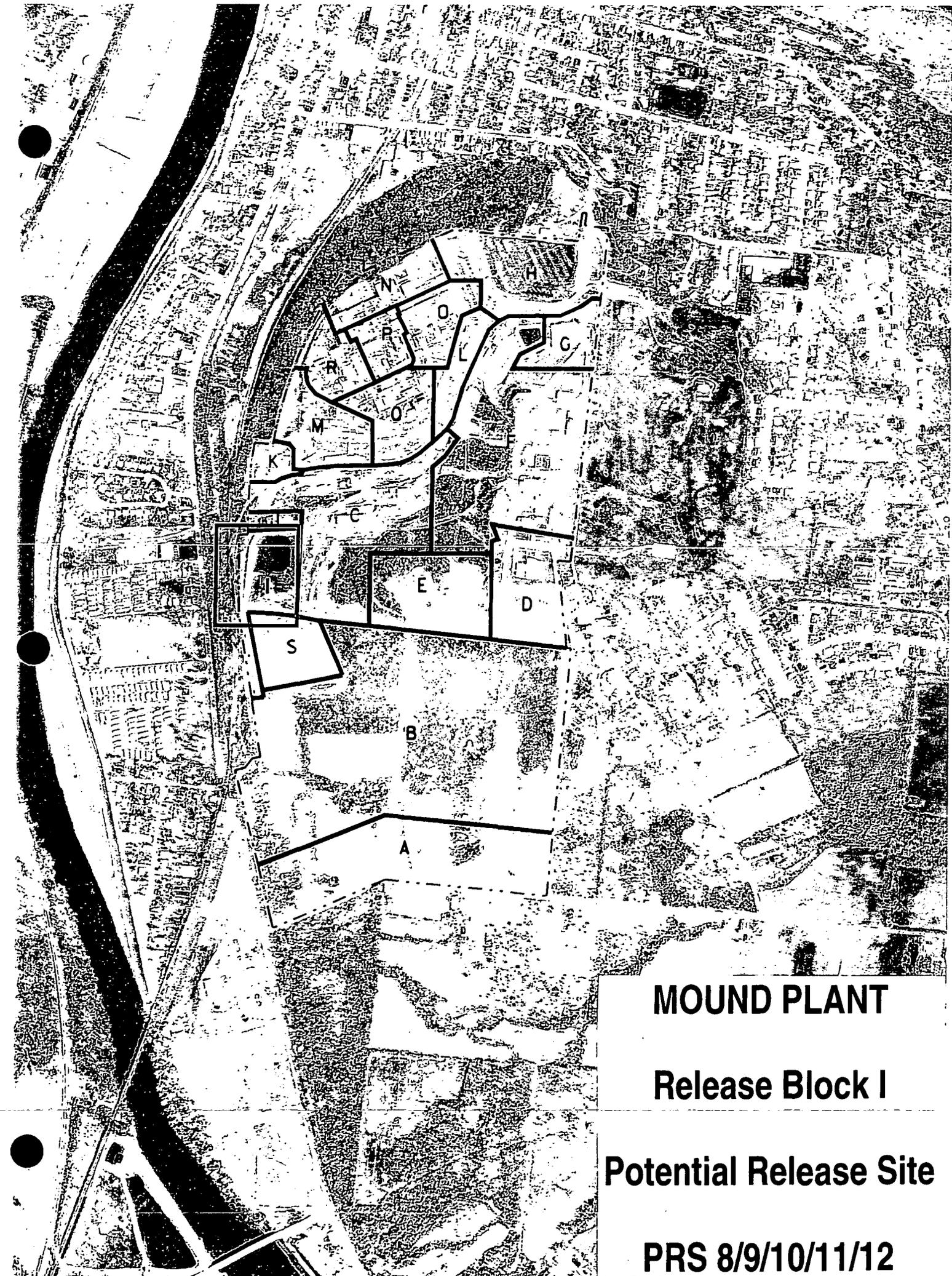
## **Potential Release Site Package**

### **PRS # 8/9/10/11/12**



PRS 8/9/10/11/12

REV	DESCRIPTION	DATE
0 <b>PUBLIC RELEASE</b>	Available for comments.	<b>Mar. 4, 1996</b>
1 <b>FINAL</b>	Comment period expired. No comments. Recommendation page annotated.	<b>Oct. 10, 1996</b>
2 <b>FINAL</b>	Signature page changed to show correct review period.	<b>Nov. 19, 1996</b>

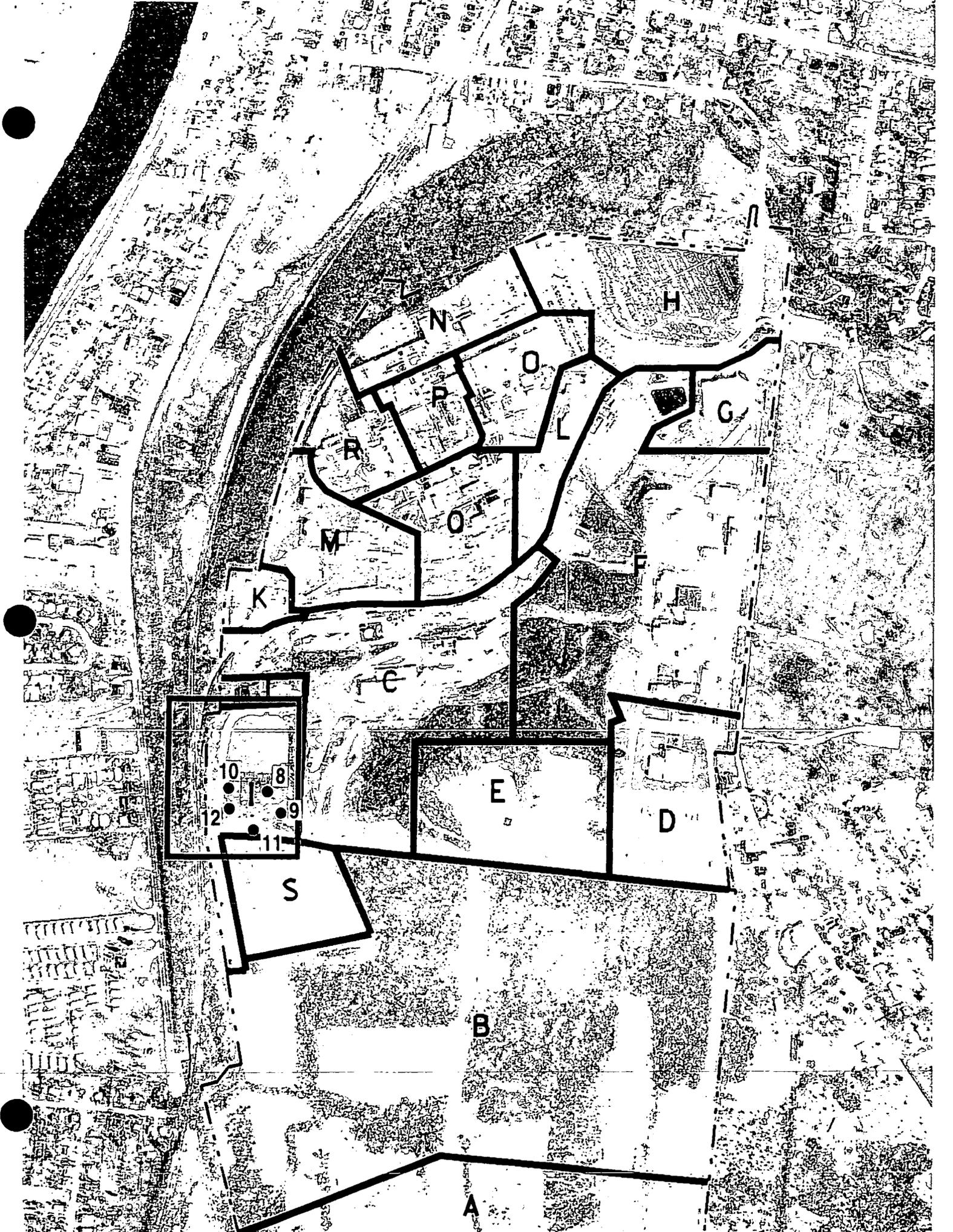


**MOUND PLANT**

**Release Block I**

**Potential Release Site**

**PRS 8/9/10/11/12**



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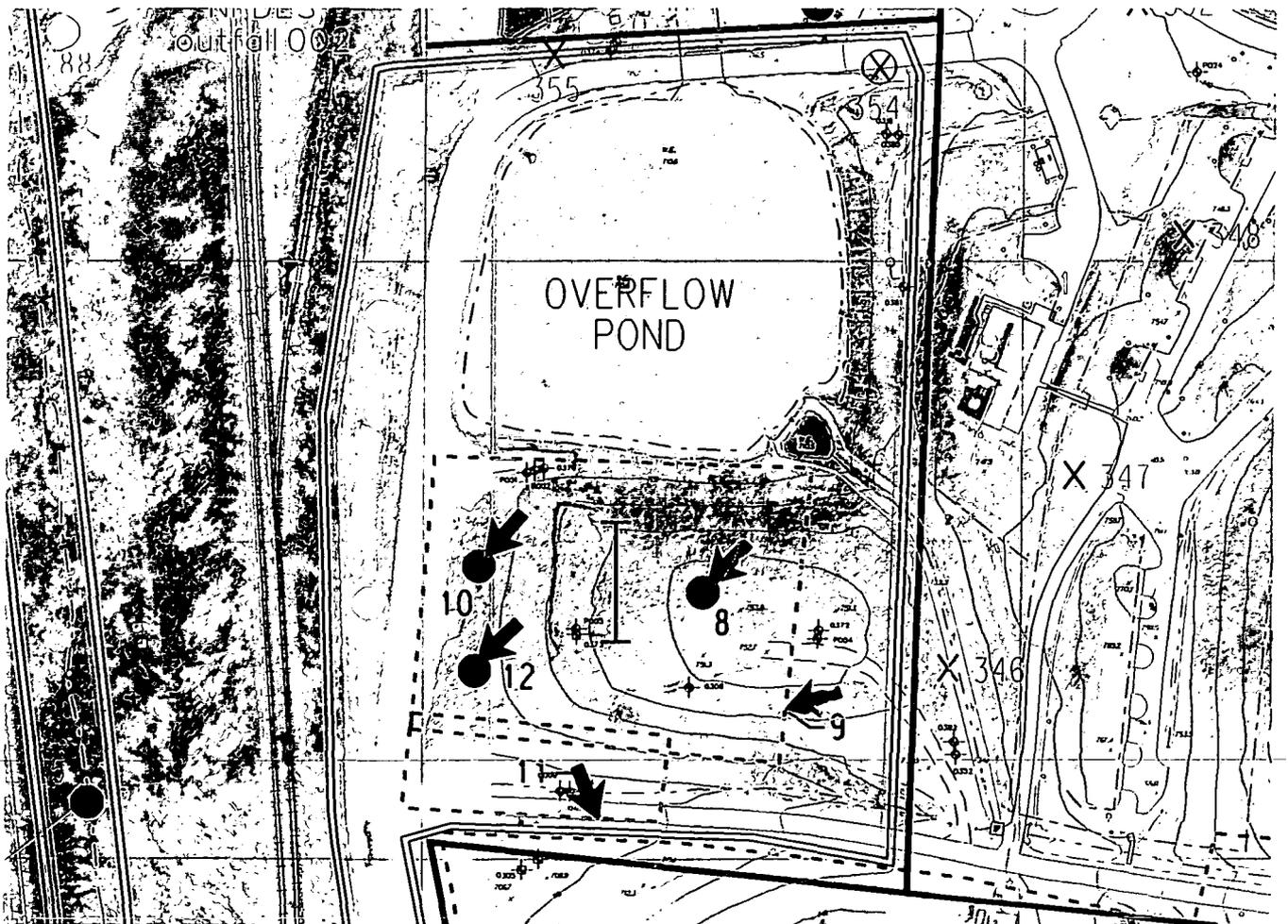
N

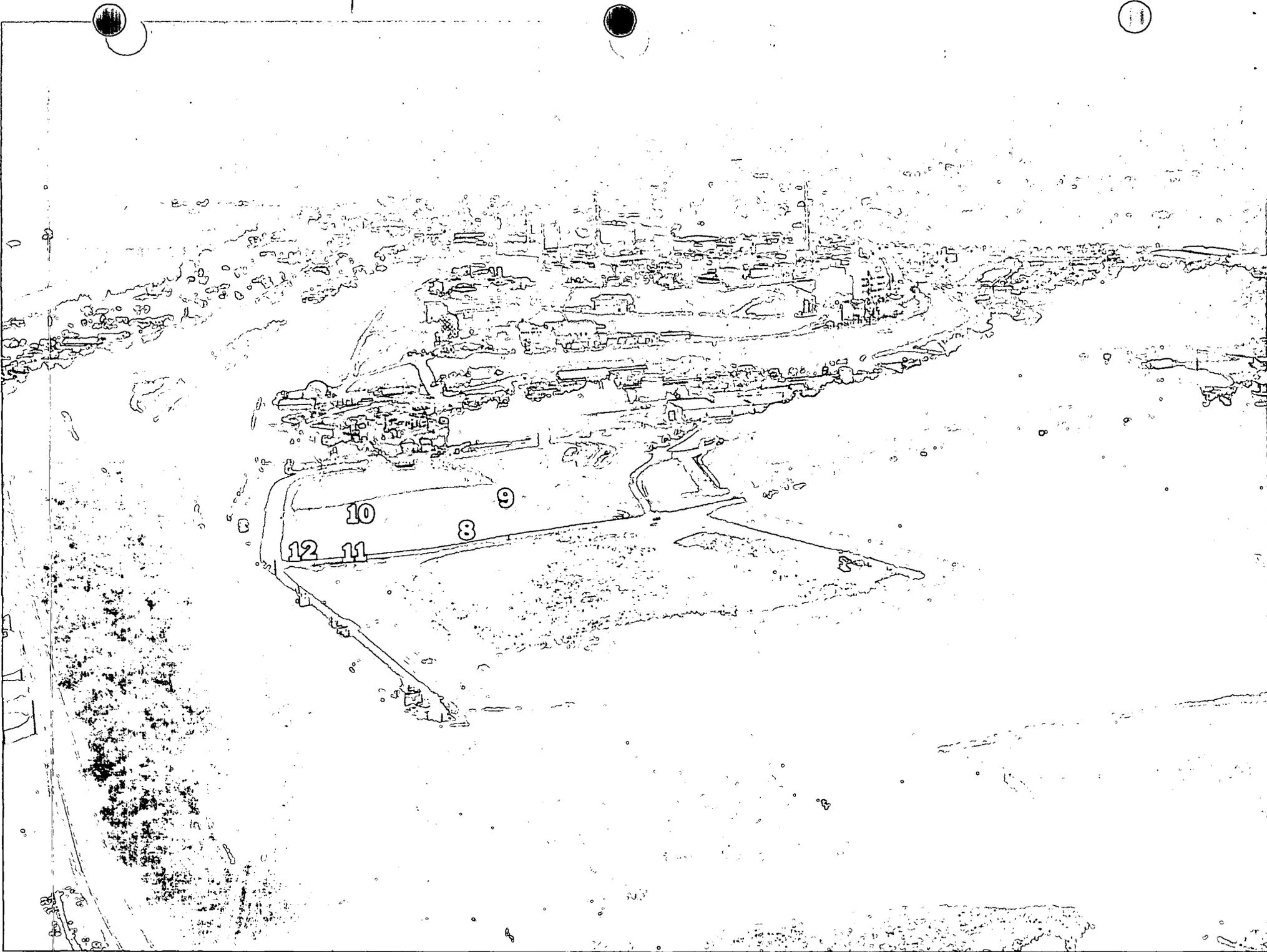
# MOUND PLANT

## Release Block I

### Potential Release Site

PRS 8/9/10/11/12





## REFERENCE MATERIAL

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**PRS 8 (ALSO KNOWN AS SITE SANITARY LANDFILL)**

**PRS 9 (ALSO KNOWN AS SITE SANITARY LANDFILL COVER)**

**PRS 10 (ALSO KNOWN AS HISTORICAL LANDFILL)**

**PRS 11 (ALSO KNOWN AS THORIUM AND POLONIUM-CONTAMINATED WASTE  
AREA)**

**PRS12 (DRUM STORAGE AREA)**

Environmental Restoration Program

**OPERABLE UNIT 1  
RECORD OF DECISION**

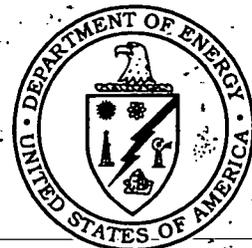
**MOUND PLANT  
MIAMISBURG, OHIO**

June 1995

**Final**

**U.S. Department of Energy  
Ohio Field Office**

**EG&G Mound Applied Technologies**



**MOUND PLANT**  
**PRS 8, 9, 10, 11, & 12**  
**AUGUST 28, 1995**

**PRS HISTORY:** (Release Block I), PRS 8 Site Summary Landfill, PRS 9 Site Sanitary Landfill Cover, PRS 10 Historical Landfill, PRS 11 Thorium and Polonium - Contaminated Waste Area and PRS 12 Drum Storage Area (also recognized, in CERCLA documents, as Area 2, Area B, and Operable Unit 1) was identified as a VOC release site as a result of the Mound Plant groundwater reconnaissance sampling from 1984-1990.<sup>1</sup> As a result of this VOC contamination, the Mound Plant was placed on the CERCLA National Priority List (NPL) in 1989.

**PROCESS DESCRIPTION:** No Mound Plant buildings are presently located in Release Block I. No radioactive or hazardous waste generating processes are known to have occurred at the location of PRS 8, 9, 10, 11, & 12.<sup>2</sup>

**CONTAMINATION:** The nature and extent of groundwater contamination in Release Block I has been well documented. Volatile organic compounds (VOCs) have been detected and monitored in the groundwater in and around Release Block I since 1986.<sup>3</sup> During the OU1 assessment process, soil in Release Block I was analyzed. None of the surface soil samples had detectable quantities of VOCs. Subsurface soil analyses indicated that VOC contamination is restricted to the area of past disposal activity. The VOC contamination appears to be randomly dispersed.<sup>3</sup> From 1982-1985, the Mound Plant collected radiologic data in Area B. Except for one subsurface sample (17.1 pCi/g), of Pu-238, all concentration in Release Block I were within the range of less than 1 to approximately 4 pCi/g.<sup>4</sup> The following activities and documents have been completed as part of the OU1 CERCLA process.

**CERCLA Assessment Completed<sup>3,4,5,6</sup>**  
History of Area B (February 1991)  
Remedial Investigation Report (RI) (July 1994)  
Feasibility Study/Proposed Plan (October 1994)  
Record of Decision (ROD) (June 1995)

The EPA approved remedy for remediation in the OU1 Proposed Plan and ROD is the **Collection, Treatment and Disposal** remedy.<sup>5</sup>

**CERCLA Remediation Completed**  
RD/RA Work Plan (July 1995)

**READING ROOM  
REFERENCES:**

- 1) Area B, OU1, DOE Mound Plant, History of Area B (February 1991)
- 2) OU9, Site Scoping Report: Volume 7 - Waste Management
- 3) OU1, Remedial Investigation Report, Vol. 1, Text, Final (May 1994)
- 4) OU1, Feasibility Study Report/Proposed Plan, Final (October 1994)
- 5) OU1, Record of Decision, Final (June 1995)
- 6) OU1, Remedial Design/Remedial Action Work Plan, Final (July 1995)
- 7) OU9, Site Scoping Report: Volume 3 - Radiological Site Survey (June 1993)

**PREPARED BY:** Kenneth Hacker, Member of EG&G Technical Support

**MOUND PLANT  
PRSs 8, 9, 10, 11, 12  
WASTE STORAGE AND DISPOSAL SITES  
RELEASE BLOCK I**

**RECOMMENDATION:**

Potential Release Sites (PRSs) 8, 9, 10, 11, 12 include the historical landfill site and historical disposal site of plant waste materials, including general trash and liquid waste in an area of the site commonly referred to as Area B. This area has been addressed under the Remedial Investigation/Feasibility Study (RI/FS) process for Operable Unit 1. Operable Unit 1 will proceed with the CERCLA process as per the regulatory approved Operable Unit 1, Record of Decision (ROD).

The selected remedy for controlling contamination from the soils and groundwater at Release Block I, Operable Unit 1, is the Collection, Treatment, and Disposal of groundwater. Additionally, the DOE Innovative Treatment Remediation Demonstration Program will be independently evaluating remedial technologies which could augment the technologies presently selected.

Because the area containing these PRSs has been addressed by the OUI ROD, these individual PRSs are determined to require NO FURTHER ASSESSMENT beyond the remediation being implemented as described in the OUI ROD.

**CONCURRENCE:**

DOE/MB: Arthur W. Kleinrath 2/29/96  
Arthur W. Kleinrath, Remedial Project Manager (date)

USEPA: Timothy J. Fischer 3/4/96  
Timothy J. Fischer, Remedial Project Manager (date)

OEPA: Brian K. Nickel 2/29/96  
Brian K. Nickel, Project Manager (date)

**SUMMARY OF COMMENTS AND RESPONSES:**

Comment period from 4/15/96 <sup>3/15/96</sup> to 5/15/96 <sup>4/01/96</sup>

No comments were received during the comment period.

Comment responses can be found on page \_\_\_\_\_ of this package.