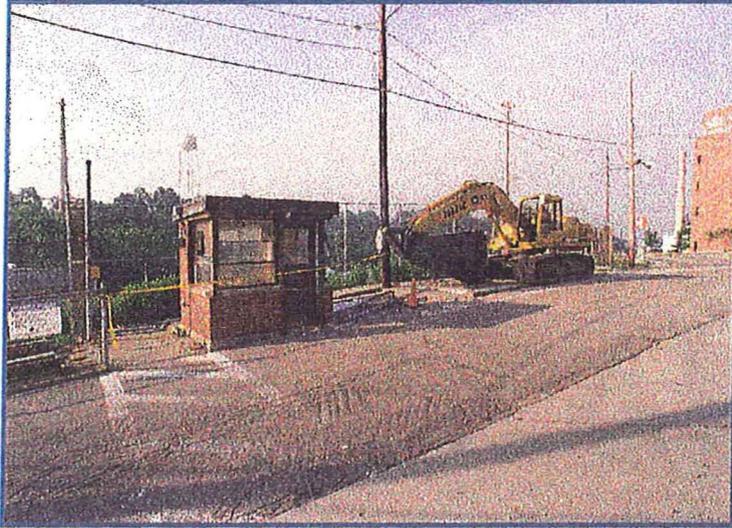


*Mound Site  
CERCLA  
Reading Room Copy*

**Test Fire Valley Project**

# **CLOSE OUT REPORT**

**Demolition of Guard Post 5**



**MOUND PLANT  
Miamisburg, Ohio**

**Final**

**AUGUST 1998**



**Babcock & Wilcox of Ohio, Inc.**



**Department of Energy**

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## Executive Summary

This is the final report documenting the demolition of Guard Post 5 (GP-5) as initially defined in the Building Data Package (BDP) introduced in June 1997. Demolition was completed in June 1998. This documentation serves as the record of the demolition action and reports final costs, schedule, waste disposition information, method of demolition, and any unusual findings. Photographs and references to other related documents are also included.

The building was constructed in 1949 as a guard post facility and at that time was called Guard Station 2. It served no other function throughout its operational lifetime. GP-5 was a one-story, 62.5 square-foot concrete block, slab on grade structure, with brick facing. The roof was constructed of asphalt and metal built-up membrane. The building had windows (mounted in metal frame structures) on all four sides. The Test Fire Valley Project at Mound Plant demolished the building and concrete pad per the Work Plan, dated June 1998. The Work Plan also called for the removal of a concrete pad where a modular building resided in proximity to GP-5. The modular was sold at auction in 1997.

All preparation and demolition activities were performed in accordance with the Work Plan to include structure characterization, safe shutdown, utilities isolation, site access control, interior decontamination and demolition requirements, structure demolition, and debris removal. Approximately 40.1 cubic yards of construction debris (non-radioactively contaminated) were removed from the Guard Post 5 demolition site, as noted in Table 2.

The Guard Post 5 superstructure, slab, and foundation were successfully demolished.

This demolition effort was considered a standard construction demolition and was not considered a removal under CERCLA nor designated as HAZWOPER. It is recommended that the scope of work relating to this structure be considered complete.

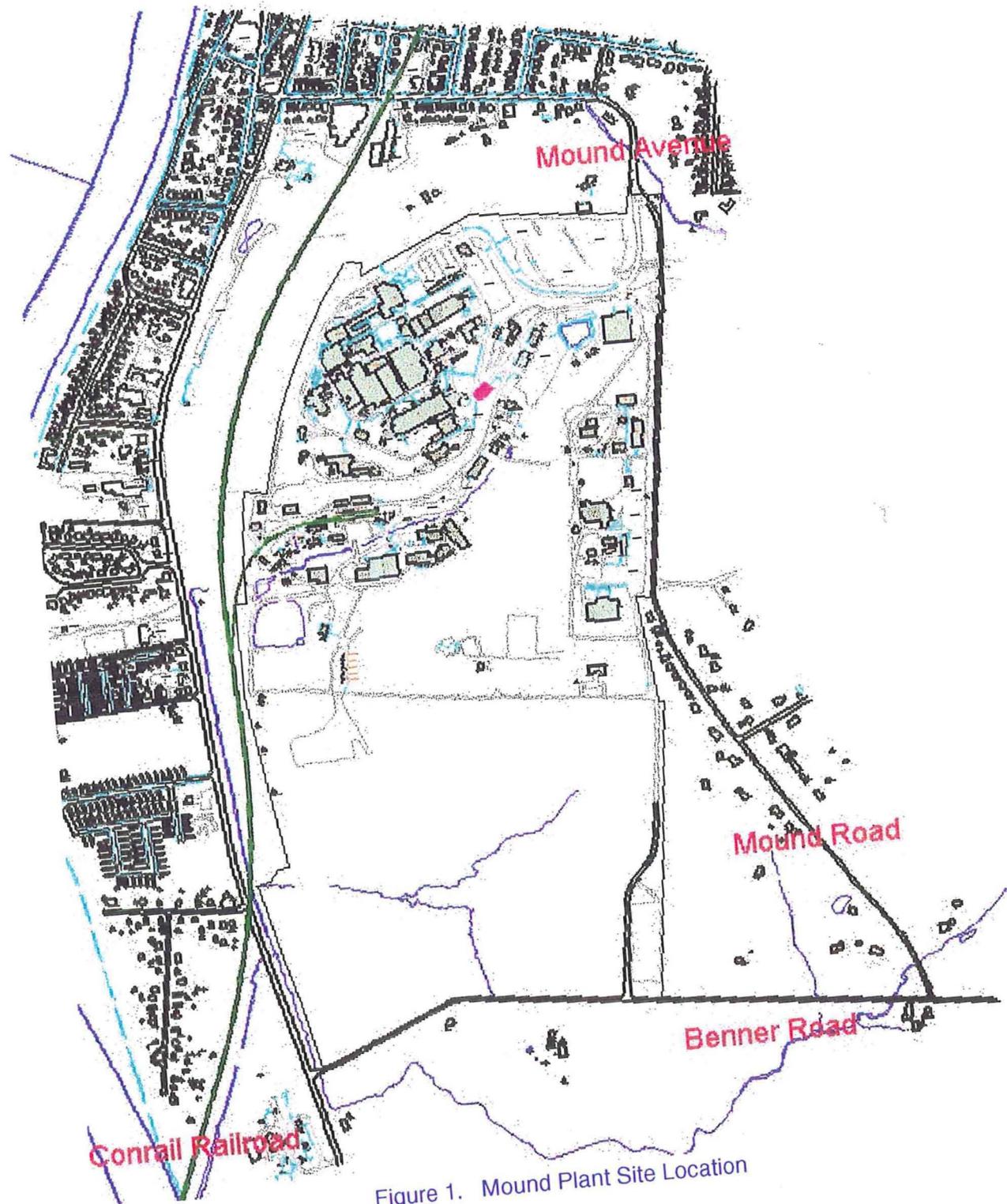


Figure 1. Mound Plant Site Location

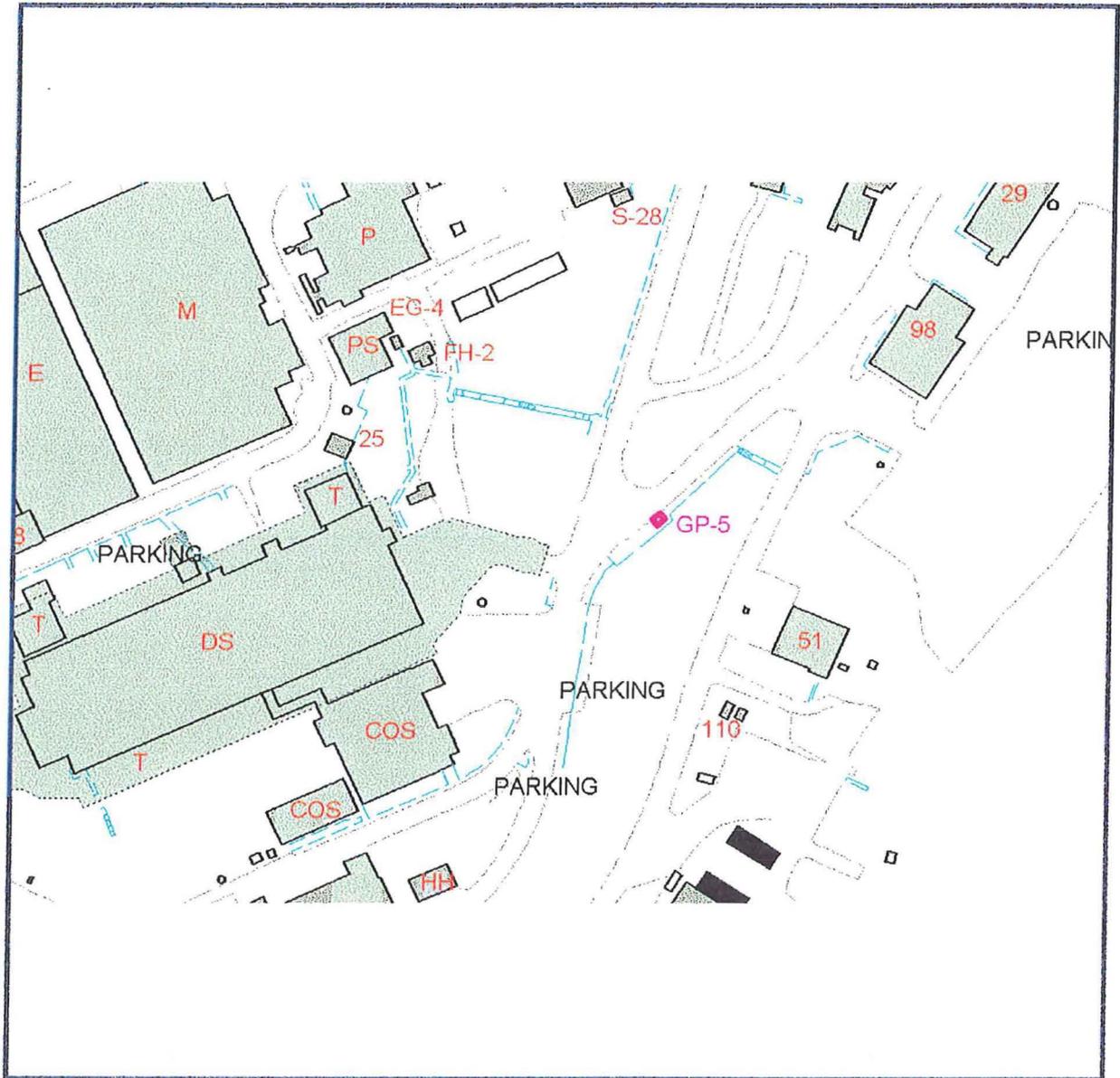


Figure 2. Demolition Site Location

## 1.0 SUMMARY OF EVENTS

### 1.1 Objectives of Demolition Activities

Guard Post 5 was removed in support of the Mound Plant Exit Project. The removal was accomplished as a non-CERCLA demolition as noted by the Building Data Package (BDP) and detailed in the Work Plan. The Work Plan gives details of the planning and conduct of the demolition operations. Note Figures 1 and 2 for Mound Plant and GP-5 locations.

### 1.2 Personnel Organization For The Demolition

See Table 1, Personnel Organization for the Demolition.

### 1.3 Chronological Narrative of Key Demolition Activities

06/04/98	Work Plan completed.
06/22/98	Demolition accomplished.
06/26/98	Debris removed from site.
07/09/98	Concrete for sidewalk extension poured.
07/21/98	Site restoration completed.

Table 1. Personnel Organization for the Demolition

Agencies or Parties Involved	Contact	Description of Participation
US EPA HSRM-6J 77 W. Jackson Chicago, IL 60604	Tim Fischer 312-886-5787	Federal agency responsible for site oversight.
Ohio EPA 410 E. Fifth Street Dayton, OH 45402-2911	Brian Nickel 937-285-6468	State agency responsible for site oversight.
DOE/MEMP P.O. Box 66 1 Mound Road Miamisburg, OH 45343-0066	Ron Church 937-865-3548	DOE Project Manager responsible for project oversight and success.
B&W Of Ohio SM/PP Hill Project P.O. Box 3030 1 Mound Road Miamisburg, OH 45343-3030	Joe Bartee 937-865-4812	Provided the DOE Project Manager with technical assistance, administrative support, sampling, photo and site documentation, site safety, and report preparation.
B&W of Ohio General Superintendent and Equipment Manager P.O. Box 3030 1 Mound Road Miamisburg, OH 45343-3030	Rich Higgins 937-865-4400	Provided the personnel and equipment necessary for the demolition

## 1.4 Listing of Waste Materials Generated and Resources Committed

Table 2 shows the materials and their disposition. Table 3 includes the demolition total cost summary.

Table 2. Materials and Disposition

Waste Type	Volumes (cy)	Destination
Hazardous Waste (circuit boards, lead, sodium iodide)	0.1	Laidlaw Environmental
Scrap metal for recycle	10	Franklin Metal
Concrete debris	30	Mound Spoils Area
TOTAL	40.1	

Table 3. Demolition Project Total Cost Summary

Project Costs	Cost (\$)
Labor	2,939
Material & Supplies	605
Purchased Services	0
Waste Allocations	512
Total Project Cost	3,963

## 2.0 EFFECTIVENESS OF THE DEMOLITION

Guard Post 5 was successfully demolished per the Work Plan and the site was restored to the original grade to include a sidewalk extension through the project area. All field work was completed by Babcock & Wilcox of Ohio personnel.

### 3.0 RECOMMENDATION

The Guard Post 5 superstructure, slab, and foundation have been demolished and debris removed in accordance with documentation provided to the Mound 2000 Core Team. (See references below.) It is recommended to the Department of Energy that the scope of work relating to this building be considered complete.

### 4.0 REFERENCE LIST OF SUPPLEMENTARY DOCUMENTS

Contact Mark Becker, Babcock & Wilcox of Ohio, Public Relations, at (937) 865-4450 to request access to these supplemental documents.

- *Building Data Package (BDP) for Guard Post 5*
- *Work Plan for Removal of Guard Post 5 (GP5) Test Fire Valley Project Decontamination and Demolition at the Mound Site, Miamisburg, Ohio.*
- Job Safety & Health Analysis

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION



