

HEMATITE FUEL FABRICATION FACILITY, WAREHOUSE  
(Building No. 256-2)  
3300 State Road P  
Festus  
Jefferson County  
Missouri

HAER MO-113-N  
*MO-113-N*

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD  
National Park Service  
U.S. Department of the Interior  
1849 C Street NW  
Washington, DC 20240-0001

# HISTORIC AMERICAN ENGINEERING RECORD

## HEMATITE FUEL FABRICATION FACILITY BUILDING 256-2 (Warehouse)

HAER No. MO-113-N

- Location:** 3300 State Road P  
Festus, Jefferson County, Missouri
- Present Owner:** Westinghouse Electric Company Limited Liability Corporation  
(LLC)
- Present Use:** Building 256-2 is currently being used for as a supply holding area during the decommissioning process.
- Significance:** The Hematite Fuel Fabrication Facility, also known as Hematite Former Fuel Cycle Facility and the Westinghouse Electric Company Hematite Facility, was constructed over a period of thirty-one years. The Facility was the first privately owned and operated uranium fuel production plant in the United States. The plant produced nuclear fuel for military as well as peacetime purposes throughout the “Cold War” era.
- The Hematite Fuel Fabrication Facility produced high-enriched nuclear fuel for the U.S. Navy nuclear submarine program and other reactor programs during the “Cold War” years of 1956 to 1974. After 1974 the Facility produce only commercial grade low enriched uranium for commercial nuclear power facilities.

**HEMATITE FUEL FABRICATION FACILITY  
BUILDING 256-2  
(Warehouse)  
HAER No. MO-113-N  
(Page 2)**

**PART I. HISTORICAL INFORMATION**

**A. Physical History**

1. **Date of Construction:** Circa 1970s
2. **Architect:** The architect for this building is unknown.
3. **Owners, Occupants and Uses:** Owners include: Gulf United Nuclear Fuels Corporation, Combustion Engineering Corporation, Asa Brown Boveri, and Westinghouse Electric Company, LLC. Building 256-2, since construction, has served as the main warehouse for shipping and receiving.
4. **Builder-Contractor:** The contractor is unknown.
5. **Original Plans and Construction:** The location of the original plans is unknown.
6. **Alterations and Additions:** There have been no alterations or additions.

**B. Historical Context**

Building 256-2 was the main warehouse for shipping and receiving.

**PART II. ARCHITECTURAL INFORMATION**

**A. General Statement**

1. **Architectural Character:** Modern industrial
2. **Condition of Fabric:** Good condition

**B. Description of Exterior**

1. **Overall dimensions:** This building measures 68'-4" x 47'-10." Building 256-2 measures 3,264 total square feet.

**HEMATITE FUEL FABRICATION FACILITY  
BUILDING 256-2  
(Warehouse)  
HAER No. MO-113-N  
(Page 3)**

2. **Foundation:** Concrete
3. **Walls:** Painted concrete block
4. **Structural system, framing:** Steel
5. **Porches:** There are no porches.
6. **Chimneys:** There are no chimneys.
7. **Openings:**
  - a. **Doorways and doors:** There are two doorways, one leading into a closet, and the second door ingress and egress. There are seven cargo bay overhead doors, two exit on the south side of the building and four exit on the east side of the building. The interior overhead door leads into a storage room in Building 255.
  - b. **Windows:** There are no windows.
8. **Roof:**
  - a. **Shape, covering:** Flat, metal sheathing on concrete
  - b. **Cornice, eaves:** There are no cornices or eaves.
  - c. **Dormers, cupolas, towers:** There are no dormers, cupolas, or towers.

**C. Description of Interior**

1. **Floor plans:** Building 256-2 is one room with a small extended closet.
2. **Stairways:** There are no stairways.
3. **Flooring:** Reinforced concrete
4. **Wall and ceiling finish:** Painted concrete block

**HEMATITE FUEL FABRICATION FACILITY  
BUILDING 256-2  
(Warehouse)  
HAER No. MO-113-N  
(Page 4)**

5. **Openings:** There is one opening connecting Building 255 and 256-2.
6. **Decorative features:** There are no decorative features.
7. **Hardware:** Modern industrial hardware
8. **Mechanical equipment:**
  - a. **Heating, air conditioning, ventilation:** Modern heating and cooling system.
  - b. **Lighting:** Fluorescent
  - c. **Plumbing:** There is no plumbing.

**D. Site**

1. **General setting and orientation:** Building 256-2 is located at the back of the facility (southeast). It is connected to Building 255 on the north and Building 256-1 on the west.
2. **Historic landscape design:** Paved parking lot.

**PART III. SOURCES OF INFORMATION**

- A. **Architectural drawings:** Location of drawings for this building are unknown.
- B. **Bibliography:**

Malich, Phillip J. *034-JE-02 Proposed Hematite Former Fuel Processing Facility*. Missouri Department of Natural Resources, State Historic Preservation Office, Jefferson City, Missouri, 2002.

**PART IV. PROJECT INFORMATION**

This Historic American Engineering Record (HAER) documentation project was undertaken due to the owner's desire to decommission the Facility. The Facility will be disassembled (this is being done for safety purposes and the work is being done in accordance with federal law and

**HEMATITE FUEL FABRICATION FACILITY  
BUILDING 256-2**

**(Warehouse)**

**HAER No. MO-113-N**

**(Page 5)**

regulations regarding hazardous waste clean-up and disposal). In 2003, Westinghouse Electric Company, LLC, hired SCI Engineering, Inc., of St. Charles, Missouri, to complete the HAER documentation of the Hematite Fuel Fabrication Facility. Dr. Steve Dasovich supervised the project and Historian Colleen Small-Vollman authored the HAER documentation report. The report was compiled by Susan Sheppard. Bruce Meyer and Todd Kapler completed the photographic documentation of the Facility, and Asa Westphal completed the floor plan drawings.