

**DMSA C-310-03**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 232

**DATE OF ORIGINAL SAR:** 12/01/00

**DATE OF SAR REVISIONS:** 03/15/09

**REGULATORY STATUS:** SWMU

**LOCATION:** Southeast corner of the C-310 Process Building between columns D17-19/F17-19.

**APPROXIMATE DIMENSION OR CAPACITY:** 900 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials.

**BRIEF HISTORY:** The area contains abandoned process equipment including a Kinney vacuum pump, an instrument panel with pressure transmitters, and two Valley Iron pumps with their associated piping. The equipment was shut down and abandoned in place in 1960s and remains attached to the building utilities (i.e., electrical and nitrogen systems). The pumps were cut and capped in 1996. This area also was used for storage of excess materials.

This area was released by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA) on December 31, 1996. From August 2002 to January 2008, DOE characterized materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, which was incorporated as Appendix E of the 2003 Agreed Order. The fixed equipment was characterized and remains in-place in the DMSA. The *Final Inventory and Characterization Report (FI/CR)* was submitted September 24, 2008, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on October 30, 2008.

Resource Conservation and Recovery Act closure was not required for this SWMU, since no hazardous wastes were stored in this unit, per the 2003 Agreed Order.

**PRESENT OPERATIONAL STATUS:** Inactive

**DATES OPERATED:** Unknown to 1960s (process equipment was shut down and abandoned in place); 1960s to 2008 (for storage of abandoned process equipment and excess materials).

**SITE/PROCESS DESCRIPTION:** An inside DOE storage area located in the southeast corner of the C-310 Process Building.

**WASTE DESCRIPTION:** This SWMU currently is empty. The low-level waste formerly stored included a scale, a cart, piping, a pedestal fan, a wooden step ladder, Twelliot

pumps, wooden pallets, and miscellaneous metal items (e.g., a squirrel cage, gate valves, air hose, angle iron, and 5-gal flip top garbage cans). A detailed description of the characterization can be found in the FI/CR.

**WASTE QUANTITY:** Currently 0 ft<sup>3</sup>; waste quantity removed 570 ft<sup>3</sup>.

**SUMMARY OF ENVIRONMENTAL SAMPLING DATA:** No sampling of environmental media has occurred.

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:** None Known

<b>GROUNDWATER:</b>	None Known
<b>SURFACE WATER:</b>	None Known
<b>SOIL:</b>	None Known
<b>ECOLOGY AFFECTED:</b> (i.e., threatened/endangered species):	None Known

**DOCUMENTATION OF NO RELEASE:** None

**IMPACT ON OR BY OTHER SWMU/AOC:** There is no evidence that this SWMU impacts or is being impacted by other SWMUs.

**PRG COMPARISON:** N/A

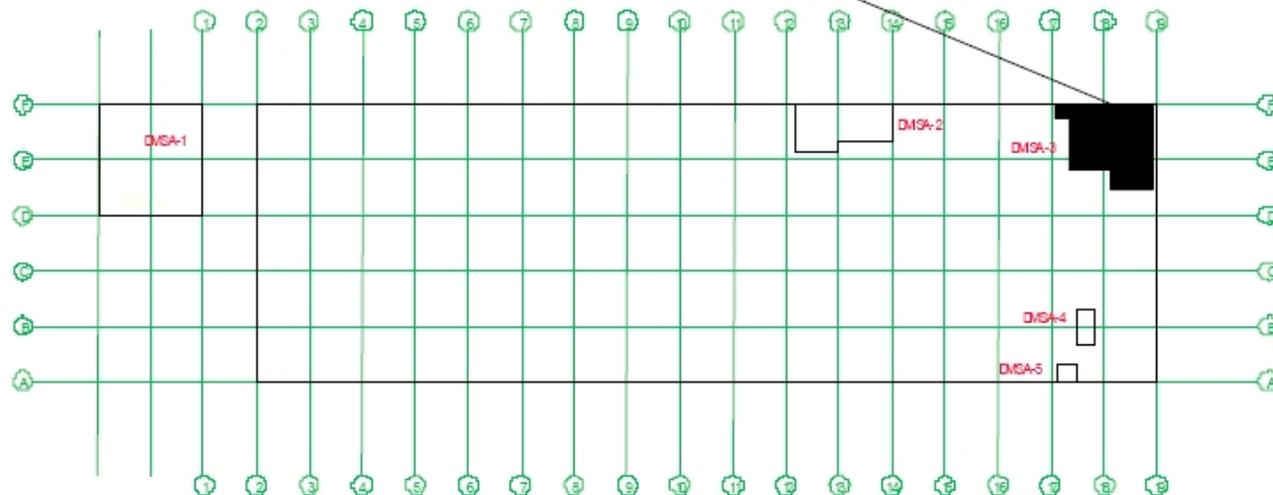
**RFI NECESSARY:** No. The SWMU is inside an operational process building with a concrete floor. This unit is being proposed for no further action since it no longer is active, has no evidence of releases to the environment, and is not believed to pose a risk to human health or the environment. The process equipment was characterized and remains in-place in the DMSA to be addressed as part of the decontamination and decommissioning of this building.

**OPERABLE UNIT ASSIGNMENT:** N/A

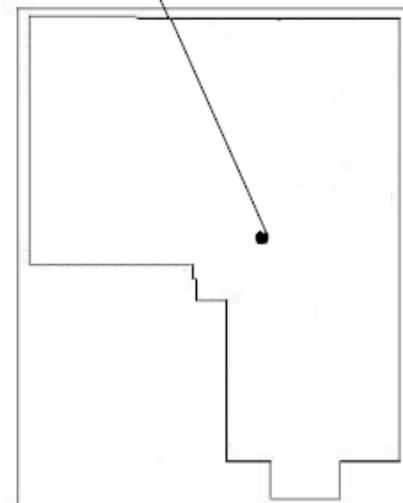


**Fixed Equipment  
SWMU 232  
DMSA C-310-03  
August 14, 2008**

SWMU 232



SWMU 232



Paducah Gaseous Diffusion Plant

LEGEND

 OFFICIAL DOE DMSA PER 12/31/96 AGREEMENT BETWEEN DOE AND USEC



C-310 Ground Floor - SWMU 232

U.S. DEPARTMENT OF ENERGY  
DOE PORTSMOUTH/PADUCAH PROJECT OFFICE  
PADUCAH GASEOUS DIFFUSION PLANT



**PADUCAH**  
Remediation Services  
A Fortage Shaw Joint Venture Company