

**DMSA C-335-04**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 300

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

**DATE OF SAR REVISIONS:** 03/02/05, 12/01/09

**REGULATORY STATUS:** SWMU

**LOCATION:** Northwest corner of the C-335 Process Building near columns C32-33 and D32-33.

**APPROXIMATE DIMENSION OR CAPACITY:** 688 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials

**BRIEF HISTORY:** Out-of-service process equipment was once stored at this location. This area was deleased by United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA) on December 31, 1996. From July 30, 2001, to August 30, 2001, 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 *Final Inventory and Characterization Report* (FI/CR) was submitted March 6, 2002, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on April 15, 2004.

One container of oil in this DMSA, originally classified as low-level waste (LLW), was reevaluated in August 2004. The reevaluation revealed that the waste oil exceeded the Resource Conservation and Recovery Act (RCRA) regulated limit for lead and cadmium. As a result of this reclassification, the FI/CR was revised and submitted to KDWM on December 22, 2004. KDWM approved the revised FI/CR on July 28, 2005.

RCRA closure activities were performed as set forth in the *Agreed Order Closure Plan for the DOE Material Storage Areas at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, BJC/PAD-720/R3, submitted to KDWM on December 22, 2005, and approved on April 14, 2006. The *Notification of Intent to Proceed with Closure* also was submitted to KDWM on December 22, 2005, and approved on April 14, 2006. A RCRA Closure Certification Report was submitted to the KDWM on October 18, 2006, and approved on February 13, 2007.

**PRESENT OPERATIONAL STATUS:** Inactive

**DATES OPERATED:** 1996 to 2007

**SITE/PROCESS DESCRIPTION:** An inside DOE storage area located in the northwest corner of the C-335 Process Building.

**WASTE DESCRIPTION:** This SWMU currently is empty. Newly discovered and generated RCRA hazardous/mixed waste formerly stored included one container of waste oil drained from

a hydraulic pump and seven light bulbs. LLW formerly stored consisted of B-25 boxes with their contents, G-17 valves, converter parts, a control panel, waste generation containers, seal exhaust traps, a refrigeration unit, Freon pump bases, hydraulic jacks, and the hydraulic pump. Reusable material identified in the DMSA included two flanged traps. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

**WASTE QUANTITY:** Currently 0 ft<sup>3</sup>; waste quantity removed 1,035 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:** The *Notification to Proceed with Closure* submitted on December 22, 2005, approved by KDWM on April 14, 2006, and the *Closure Certification Report* submitted on October 18, 2006, approved by KDWM on February 13, 2007, document that no signs of spill or release were found. There have been no known spills or releases of materials from this SWMU to the environment.

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

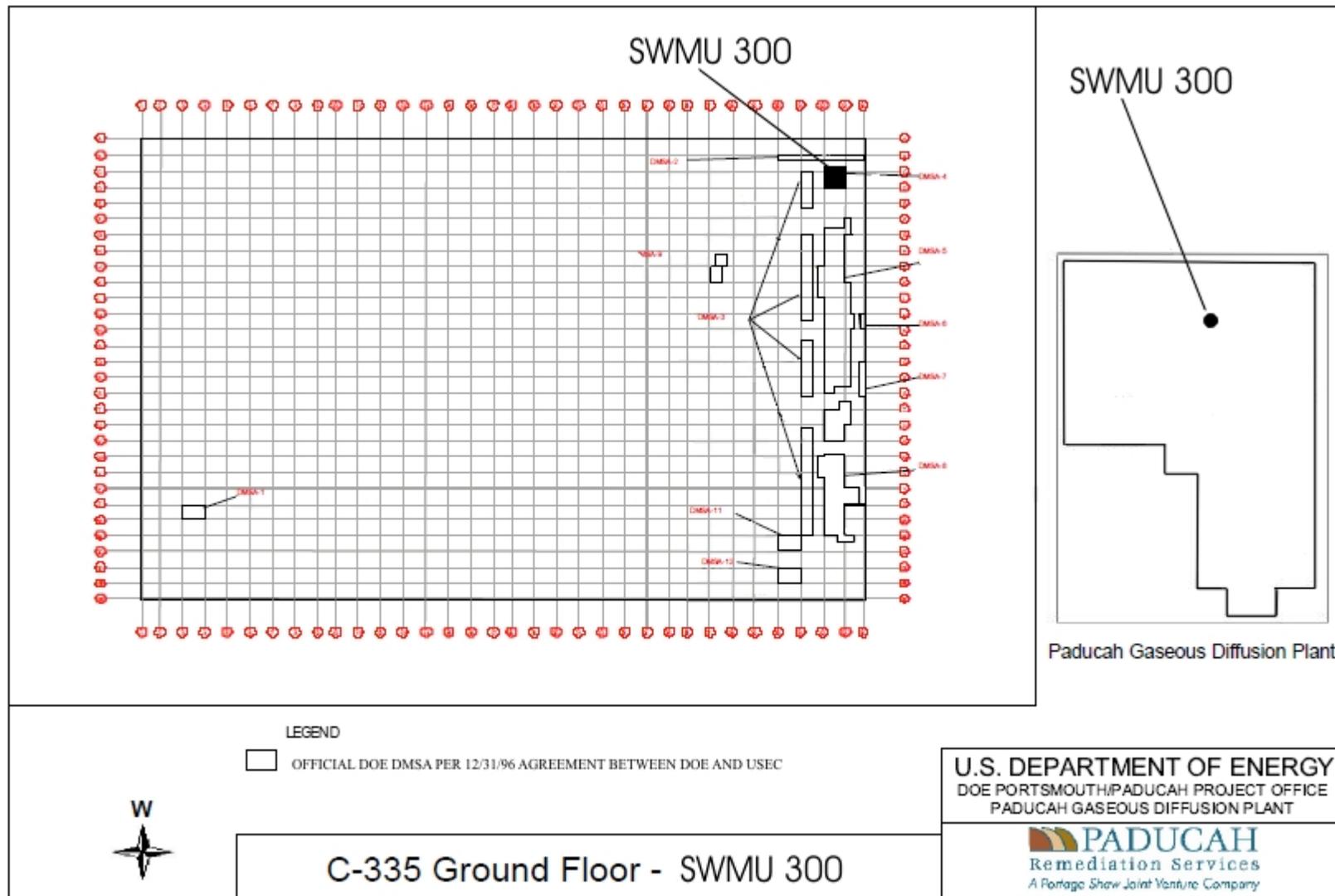
**PRG COMPARISON:** N/A

**RFI NECESSARY:** No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this SWMU. 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.

**OPERABLE UNIT ASSIGNMENT:** N/A



**SWMU 300  
DMSA C-335-04  
August 27, 2008**



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



C-335 Ground Floor - SWMU 300

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

