

**DMSA C-335-12**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 307

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

**DATE OF SAR REVISION:** 1/11/05; 03/15/09

**REGULATORY STATUS:** SWMU

**LOCATION:** North side of the C-335 process building at columns DD30-31/EE30-31

**APPROXIMATE DIMENSION OR CAPACITY:** 484 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials

**BRIEF HISTORY:** This area was created by the Seismic Project in 1997, which relocated materials from other U.S. Department of Energy (DOE) Material Storage Areas (DMSAs) where seismic bracing was installed. From December 2004 to May 2005, DOE characterized the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, Appendix E of the 2003 Agreed Order. The Final Inventory and Characterization Report (FI/CR) was submitted June 16, 2005, and additional information provided to the Kentucky Division of Waste Management (KDWM) on June 20, 2006. KDWM approved the FI/CR on September 29, 2006.

Resource Conservation and Recovery Act (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 by KDWM on April 16, 2006. The *Notification of Intent to Proceed with Closure* was submitted to KDWM on December 22, 2005, and approved by KDWM on April 16, 2006. The *Final Closure Certification Report* was submitted to KDWM on October 18, 2006, and approved by KDWM on February 13, 2007.

**PRESENT OPERATIONAL STATUS:** Inactive

**DATES OPERATED:** 1997 to 2005

**SITE/PROCESS DESCRIPTION:** An inside DOE storage area located on the north side of the C-335 process building.

**WASTE DESCRIPTION:** This SWMU currently is empty. Newly discovered RCRA hazardous waste formerly stored included 14 welding rods. The Toxic Substances Control Act waste formerly stored was the painted metal molecular sieve stand and associated hoses. The low-level waste formerly stored consisted of four drums of molecular sieve material, a metal choker, and miscellaneous small metal parts. 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 56 ft<sup>3</sup>

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

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:**

<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 of Intent to Proceed with Closure* submitted on December 22, 2005, approved April 16, 2007, and the *Closure Certification Report* submitted on October 18, 2006, approved on February 13, 2007, document that no signs of spills or releases 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

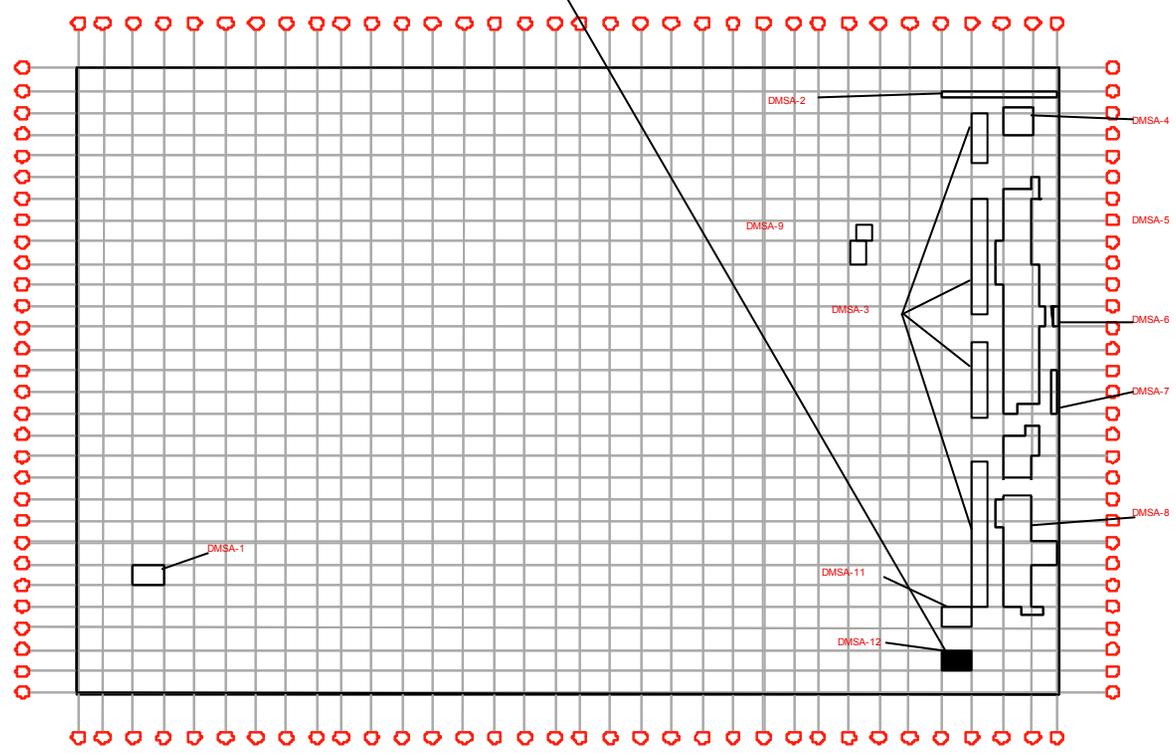
**RFI NECESSARY:** No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this DMSA. This unit is being proposed for no further action since it no longer is active, has no evidence of releases to the environment, and is not believed to pose a risk to human health or the environment.

**OPERABLE UNIT ASSIGNMENT:** N/A

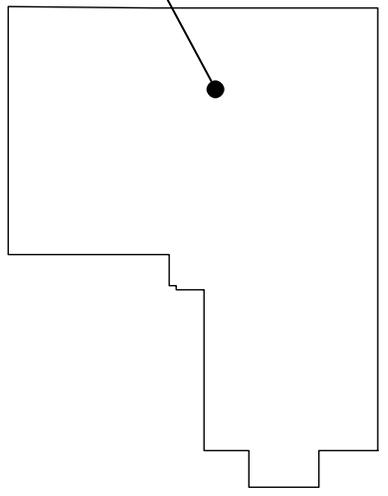


SWMU 307  
DMSA C-335-12  
View Facing East  
October 17, 2007

# SWMU 307



# SWMU 307



Paducah Gaseous Diffusion Plant

**LEGEND**

OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



## C-335 Ground Floor - SWMU 307

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



Figure No. C-335-12-307  
Date 02-19-08