

DMSA C-335-05
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 301

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 12/21/07; 06/14/10

REGULATORY STATUS: SWMU

LOCATION: North side of the C-335 Process Building bounded by columns F32-33/S32-33.

APPROXIMATE DIMENSION OR CAPACITY: 6,900 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: The area was used for storage of out-of-service process equipment and scrap metal. On December 31, 1996, 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).

From July 2001 to February 2002, 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 August 7, 2003, to the Kentucky Division of Waste Management (KDWM). KDWM conditionally approved the FI/CR on April 15, 2004. DOE provided a response to the conditional approval on May 21, 2004.

Resource Conservation and Recovery Act (RCRA) closure activities were performed as set forth in the *Closure Plan, Post-Closure, and Financial Requirements for SWMU 301 (DMSA C-335-05), Paducah Gaseous Diffusion Plant, BJC/PAD-311/R1*, on December 30, 2003, and approved on April 16, 2006. The Final Closure Certification was submitted to KDWM on October 18, 2006, and approved on February 13, 2007. The area was transferred to USEC on June 18, 2008.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1994 to 2008

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. The low-level wastes formerly stored included large process equipment such as converters, coolers, condensers, and expansion joints to smaller metal items such as pipes, copper tubing, and fans. Newly discovered RCRA regulated hazardous waste formerly stored included two 1½-inch incandescent light bulbs and an aerosol can of starter fluid (ether). Newly generated RCRA regulated hazardous waste formerly stored included circuit boards and oil drained from a pump. The Toxic Substances and Control Act regulated waste formerly stored included several pieces of asbestos cloth/material,

which subsequently was abated. A detailed description of the characterized waste formerly stored can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 9,606 ft³

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

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: None known

GROUNDWATER:	None known
SURFACE WATER:	None known
SOIL:	None known
ECOLOGY AFFECTED: (i.e., threatened/endangered species):	None known

DOCUMENTATION OF NO RELEASE: The *Closure Plan, Post-Closure, and Financial Requirements for SWMU 301 (DMSA C-335-05), Paducah Gaseous Diffusion Plant, BJC/PAD-311/R1*, submitted on December 30, 2003, approved by KDWM on April 16, 2006, and the Final Closure Certification submitted on October 18, 2006, approved by KDWM 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.

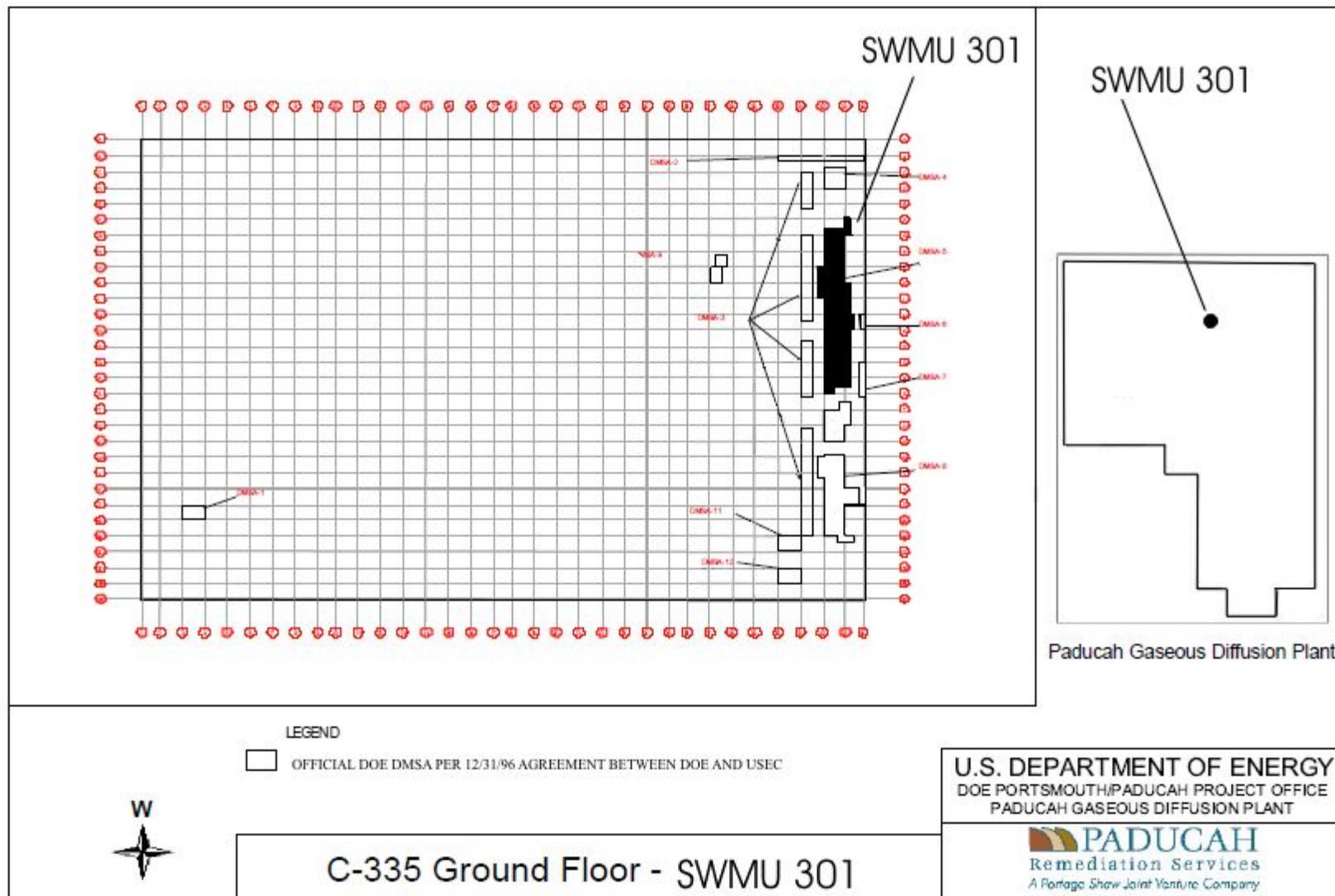
PRG COMPARISON: N/A

RFI NECESSARY: No. This 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 because 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 301
DMSA C-335-05
June 23, 2009**



C-335 Ground Floor - SWMU 301

U.S. DEPARTMENT OF ENERGY
DOE PORTSMOUTH/PADUCAH PROJECT OFFICE
PADUCAH GASEOUS DIFFUSION PLANT
PADUCAH
Remediation Services
A Portage Show Joint Venture Company