

DMSA C-335-03
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 299

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 3/31/06; 03/15/09

REGULATORY STATUS: SWMU

LOCATION: North side of the C-335 process building at columns BB31-32/C31-32

APPROXIMATE DIMENSION OR CAPACITY: 4,590 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: Most of the material storage areas in C-335 were created to consolidate excess material and equipment scattered throughout the building in order to provide additional nonradiological floor space. In 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 December 2004 to June 2006, DOE characterized the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, Appendix E of the 2003 Agreed Order. Three satellite accumulation areas (SAAs), identified as S-335-DMSA-03-01, S-335-DMSA-03-02, and S-335-DMSA-03-02, were established to store Resource Conservation and Recover Act (RCRA) materials. SAAs S-335-DMSA-03-01, S-335-DMSA-03-02 were closed on February 14, 2007, and SAA S-335-DMSA-03-02 was closed on March 14, 2007. The Final Inventory and Characterization Report (FI/CR) was submitted August 18, 2006, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on January 8, 2007.

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 on December 22, 2005, and approved by KDWM on April 16, 2006. The *Notification of Intent to Proceed with Closure* was submitted on October 11, 2006, and approved by KDWM on October 31, 2006. The *Final Closure Certification Report* was submitted on April 2, 2007, and approved by KDWM on May 8, 2007.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1997 to 2007

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 floor sweep/debris, light starters, light bulbs, welding rods, fuses, metal markers, wire, aerosol cans, paint pens, ink cartridges, and batteries. The newly generated RCRA hazardous waste removed included waste oil. The Toxic Substances Control Act waste formerly stored included capacitors and drums of asbestos-containing material, such as transite, block insulation, cloth, etc. The low-level waste formerly stored included numerous

large process motors, motor parts (e.g., motor rotors, motor coils and motor end bells), expansion joints and process piping, drums of debris/floor sweep, shoes, gloves, tacky mats, absorbent media, and two metal boxes containing cable and miscellaneous metal items. Reusable material removed from this DMSA included several spool pieces, five pallets of expansion joints, two storage racks, one freezer sublimator vessel, and wooden pallets. The expansion joints and the spool pieces have been transferred to USEC for use. Circuit boards that are intact and nonradiologically contaminated were removed for recycling [i.e., exempt from RCRA per 40 *CFR* § 261.6(a)(3)(ii)]. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 4,713 ft³

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

DESCRIPTION OF RELEASE AND MEDIA AFFECTED:

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

DOCUMENTATION OF NO RELEASE: The *Notification of Intent to Proceed with Closure* submitted on October 11, 2006, approved on October 31, 2006; and the *Closure Certification Report* submitted on April 2, 2007, approved on May 8, 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. This unit is being proposed for no further action since it 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

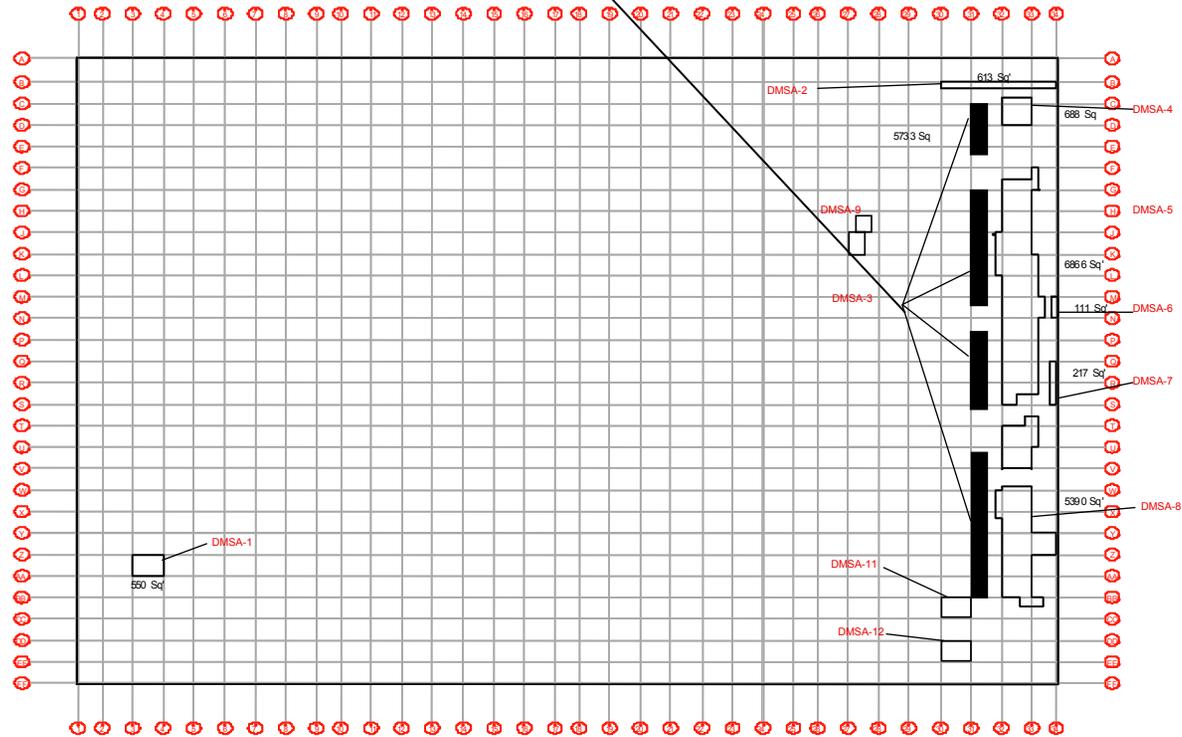


SWMU 299
DMSA C-335-03
View Facing East
November 5, 2007

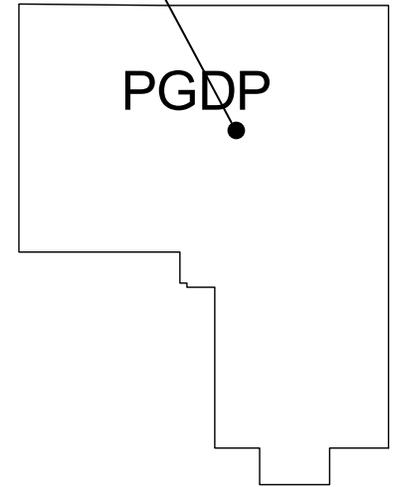


SWMU 299
DMSA C-335-03
View Facing West
November 5, 2007

SWMU 299



SWMU 299



Paducah Gaseous Diffusion Plant



Official DOE DMSA per
12/31/06 Agreement
between DOE and USEC

C-335 Ground Floor - SWMU 299

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



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