

DMSA C-333-34
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 288

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/15/09, 06/14/10

REGULATORY STATUS: SWMU

LOCATION: Southwest quadrant of the C-333 Process Building between columns L42-43/M42-43.

APPROXIMATE DIMENSION OR CAPACITY: 1,380 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: This storage area was created in 1987 as a supplemental waste storage area when the generation rate of low-level waste (LLW) exceeded the capacity of existing LLW storage facilities. 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 June 2008 to September 2009, DOE characterized the 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 September 25, 2009, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on November 5, 2009.

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*, approved on April 14, 2006. The *Notification of Intent to Proceed with Closure* for this SWMU was submitted to KDWM on December 8, 2009, and approved on December 15, 2009. The Final Closure Certification was submitted to KDWM on February 1, 2010 for approval.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1987 to 2009

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the southwest quadrant of the C-333 Process Building.

WASTE DESCRIPTION: This SWMU currently is empty. Newly discovered RCRA regulated hazardous/mixed waste formerly stored included light bulbs, respirator cartridges/canisters, and a fuse. The Toxic Substances Control Act regulated waste formerly stored consisted of containers of asbestos insulation, which was categorized as asbestos-containing material and also as LLW due to radiological contamination. The LLW formerly stored consisted of trash,

floor sweep, mop heads, wood pallets, concrete, scrap metal, fiber glass, personal protective equipment, alumina trap mix, rust/sand/dirt, and miscellaneous paper, plastic, cloth, and wood items. Solid waste formerly stored consisted of paper, plastic, rope, dirt, tape, and cardboard. A detailed description of the characterized waste formerly stored can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 1,934 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 *Notification of Intent to Proceed with Closure* submitted for KDWM approval on December 8, 2009, and the *Final Closure Certification* submitted on February 1, 2010, 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 DMSA. The 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



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