

DMSA C-333-25
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 281

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 06/14/10

REGULATORY STATUS: SWMU

LOCATION: West half of the C-333 Process Building at columns F17-19/Gb17-19.

APPROXIMATE DIMENSION OR CAPACITY: 2,477 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: This storage area was created in 1987 as a supplemental waste storage area when the low-level waste (LLW) generation rate 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 July 2008 to December 2008, 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 February 20, 2009, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on May 8, 2009.

Resource Conservation and Recovery Act closure was not required for this SWMU, since no hazardous wastes were stored in this unit, per the 2003 Agreed Order.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1987 to 2009

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

WASTE DESCRIPTION: This SWMU currently is empty. The Toxic Substances Control Act regulated asbestos-containing material formerly stored consisted of containerized asbestos insulation. This waste also was categorized as LLW due to radiological contamination. The LLW formerly stored included chair pads, trash, asbestos and non-asbestos insulation, sand, and wooden pallets. A detailed description of the characterized waste formerly stored in this SWMU can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 2,468 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: No documents were identified indicating a spill or release at this unit.

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 281
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June 22, 2009**

