

DMSA C-333-26
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 282

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 12/01/09

REGULATORY STATUS: SWMU

LOCATION: Northwest quadrant of the C-333 Process Building between columns E18-19/Eb18-19.

APPROXIMATE DIMENSION OR CAPACITY: 920 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: In the late 1980s, the generation rate of low-level waste (LLW) exceeded the capacity of existing waste storage facilities, and areas in C-333 were established as supplemental waste storage areas. On December 31, 1996, this area was deleased by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA).

In 2001, DOE began characterization and remediation of materials in DMSAs throughout the Paducah Gaseous Diffusion Plant in accordance with the DMSA Characterization/Remediation Plan, which was incorporated as Appendix E of the 2003 Agreed Order. Characterization and disposition activities began in May 2007 and were completed in March 2009. The Final Inventory and Characterization Report (FI/CR) is currently being developed for submittal to the Kentucky Division of Waste Management. Resource Conservation and Recovery Act (RCRA) closure is required, since hazardous waste was 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: SWMU currently is empty. Newly discovered RCRA hazardous/mixed waste formerly stored included an aerosol can. The LLW stored in this DMSA has included trash, asbestos insulation, and wood pallets. The asbestos insulation also was classified as asbestos-containing material. Wood pallets that were used in the transfer of waste containers were categorized as reusable materials. A detailed description of the characterized waste formerly stored will be presented in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 1,727 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. The SWMU is inside an operational process building with a concrete floor. The unit 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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March 11, 2009

