

DMSA C-331-13
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 247

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 06/14/10

REGULATORY STATUS: SWMU

LOCATION: Southwest quadrant of the C-331 Process Building near columns W9-10 and BB9-10.

APPROXIMATE DIMENSION OR CAPACITY: 1,300 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: Most of the storage areas in C-331 were created during the Rad Area Reduction Project, conducted from 1993-1995. The objective of this project was to consolidate excess material and equipment scattered throughout the building to provide additional nonradiological floor space. The process equipment from the Oak Ridge Gaseous Diffusion Plant in Oak Ridge was stored at this location since 1976 based on personnel interviews. Two C-310 2X size converters were relocated to this area from U.S. Department of Energy (DOE) Material Storage Area (DMSA) C-331-09 during the seismic upgrade program in the late 1990s.

This area was released by the United States Enrichment Corporation (USEC) to DOE as a DMSA on December 31, 1996. From August 2001 to November 2007, 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 19, 2004, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on April 15, 2004. The area and materials shown in photographs included in this SAR were returned to USEC on June 18, 2008.

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: 1976 to 2008

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the southwest quadrant of the C-331 Process Building.

WASTE DESCRIPTION: The SWMU currently is empty of DMSA materials. The low-level waste formerly stored consisted of three C-310 2X size converters, three wire chokers, and two tank saddles. Reusable material identified in this DMSA included several compressor parts, two dry type transformers, two transformer cooling fans, and six C-310 2X converters. A detailed description can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 194.5 ft³; reusable materials removed 2,209 ft³

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

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: None known

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|---|------------|
| 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 DMSA 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 247
DMSA C-331-13
Showing USEC Equipment
August 27, 2008**



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