

DMSA C-331-22
Solid Waste Management Unit (SWMU) Assessment Report

UNIT NUMBER: 253

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISION: 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Westside of the C-331 process building between Columns N7/8-Q7/8

APPROXIMATE DIMENSION OR CAPACITY: 800 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 to 1995. The objective of this project was to consolidate excess material and equipment scattered throughout the building to provide additional nonradiological floor space. In 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). From July 2002 to December 2006, 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 February 2007 to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on May 22, 2007. 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: 1993 to 2006

SITE/PROCESS DESCRIPTION: An inside DOE storage area located on the west side of the C-331 process building.

WASTE DESCRIPTION: The SWMU currently is empty. The low-level waste formerly stored included UF₄ drums and excess process equipment, such as stub shafts, compressor rotors, fixtures, and carts. Landfill solid waste formerly stored were two pairs of pipe racks. Reusable materials identified in the SWMU were metal pallets. 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 2,957 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. All wastes have been removed from this DMSA. This unit is being proposed for no further action since 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

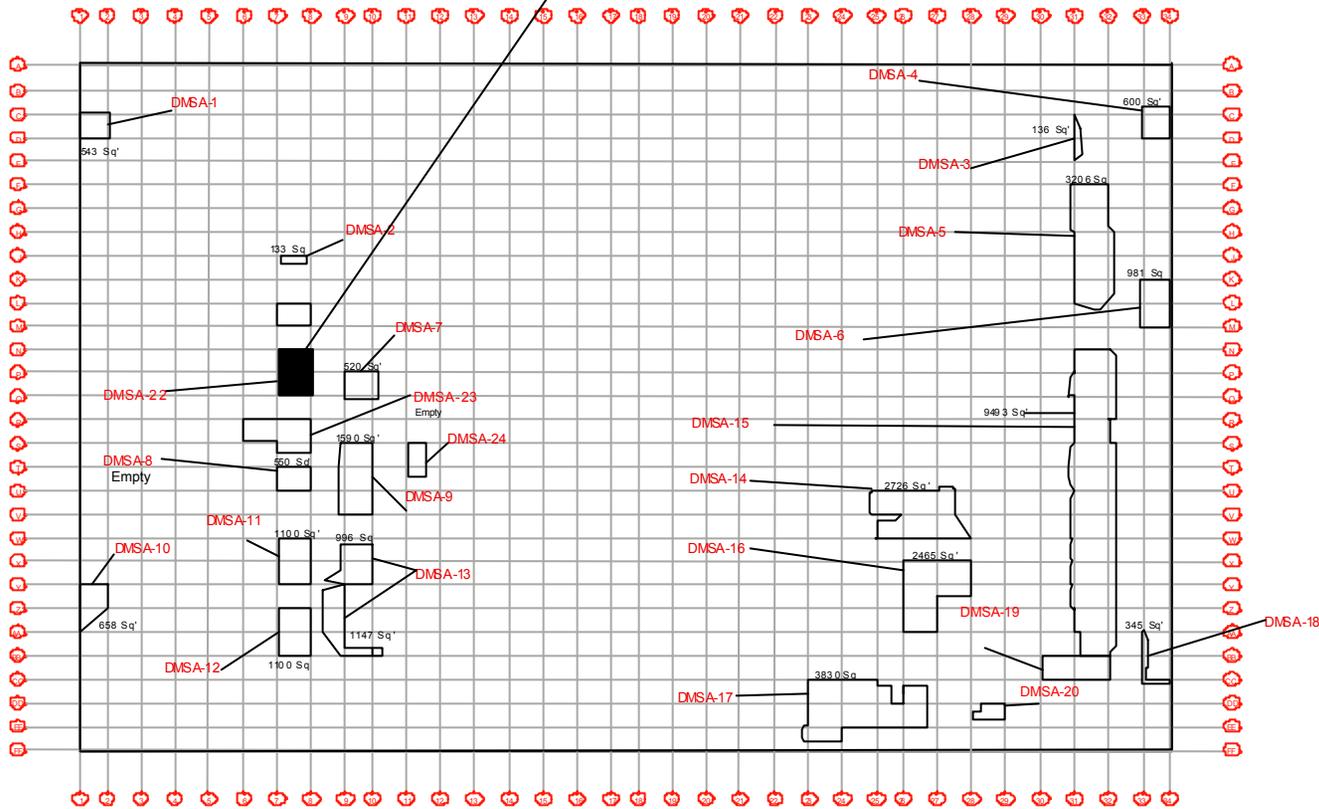


SWMU 253
DMSA C-331-22
View Looking South
March 27, 2007

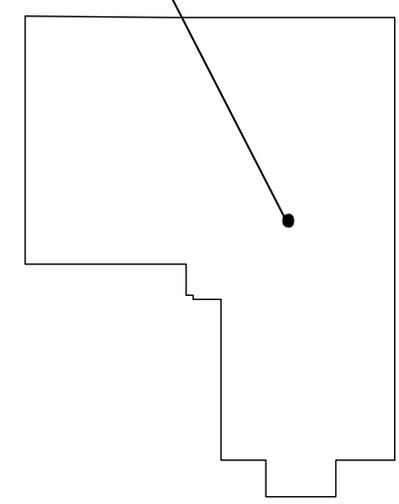


SWMU 253
DMSA C-331-22
View Looking North
March 27, 2007

SWMU 253



SWMU 253



Paducah Gaseous Diffusion Plant

LEGEND

 OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-331 Ground Floor - SWMU 253

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



Figure No. C-331-22-253
Date 03-12-08