

DMSA C-333-18
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 274

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 12/01/09

REGULATORY STATUS: SWMU

LOCATION: Southeast corner of the C-333 Process Building between columns Wb48-49/X48-49.

APPROXIMATE DIMENSION OR CAPACITY: 460 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: Most of the storage areas in C-333 were created in 1995 during the Rad Area Reduction Project. The objective of this project was to consolidate excess materials and equipment scattered throughout the building to provide additional nonradiological floor space.

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) on December 31, 1996. In 2001 and again in May 2007, DOE characterized this DMSA in accordance with the DMSA Characterization/Remediation Plan, which was incorporated as Appendix E of the 2003 Agreed Order. The DMSA was empty of material since the start of the field characterization activities in February 2001 and verified to be an empty, inactive facility with no signs of spills or releases of hazardous material in May 2007. The *Final Inventory and Characterization Report* (FI/CR) was submitted July 13, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on August 30, 2007.

Resource Conservation and Recovery Act (RCRA) 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: 1995 to 2001

SITE/PROCESS DESCRIPTION: An inside DOE storage area located at the southeast corner of the C-333 Process Building.

WASTE DESCRIPTION: This SWMU currently is empty. The area was formerly used for storing uranium hexafluoride drums. After the drums were removed (unknown time frame), miscellaneous materials such as wooden pallets, drip/spill absorbent pads, and plastic were present at the area. The SWMU has been empty since the start of the field characterization activities in February 2001. A detailed description of the field characterization activities can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 0 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.

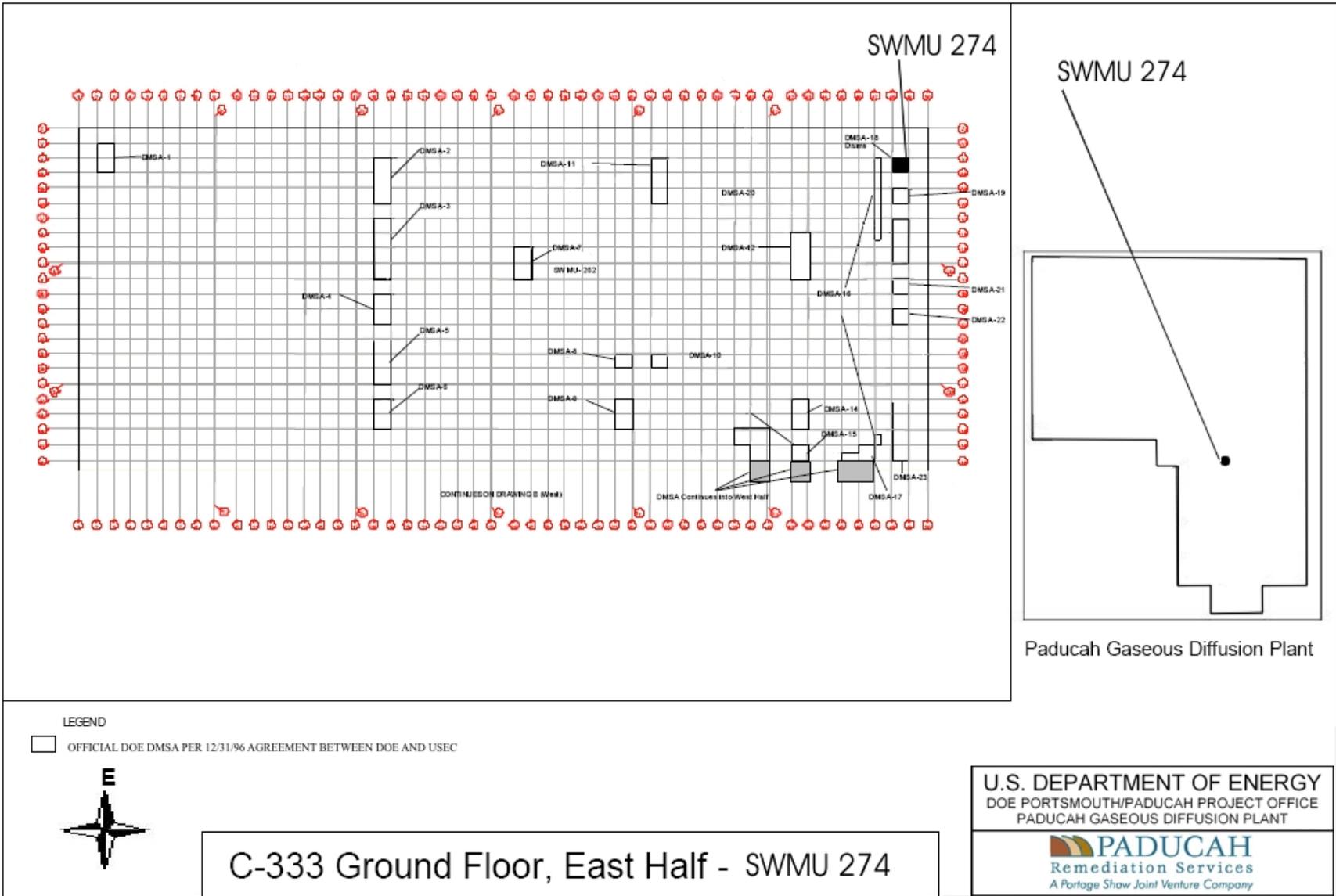
PRG COMPARISON: N/A

RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. 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 274
DMSA C-333-18
May 24, 2007**



LEGEND

 OFFICIAL DOE DMSA PER 12/31/96 AGREEMENT BETWEEN DOE AND USEC



C-333 Ground Floor, East Half - SWMU 274

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



PADUCAH
Remediation Services
A Portage Shaw Joint Venture Company