

DMSA-333-19
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 275

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 11/25/02; 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Southeast side of the C-333 process building between columns W48/49-Wa48/49

APPROXIMATE DIMENSION: 460 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: Most of the storage areas in C-333 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 October 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. Two satellite accumulation areas were established in October and November of 2002 and were closed on June 6, 2003. The Final Inventory and Characterization Report (FI/CR) was submitted on December 21, 2006, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on April 27, 2007. Resource Conservation and Recovery Act closure was not required for this SWMU, since no hazardous wastes were stored in this unit without a permit in excess of the time limits set forth in 401 KAR 32:030, per the 2003 Agreed Order.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1995 to 2006

SITE/PROCESS DESCRIPTION: An inside DOE storage area located on the southeast side of the C-333 process building.

WASTE DESCRIPTION: The SWMU currently is empty. The low-level waste formerly stored included iron piping, wooden pallets, an empty aerosol can, a bucket of miscellaneous debris, and a condenser head. 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 73 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

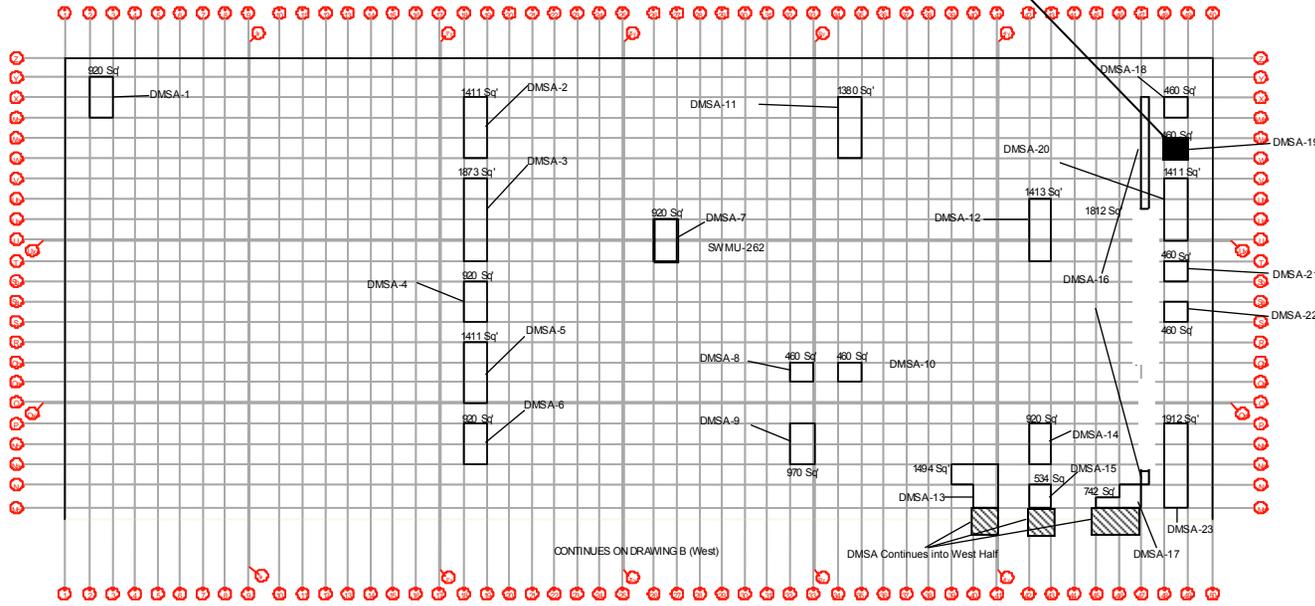
RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this DMSA. This unit is being proposed for no further action since it no longer is active, has no evidence of releases to the environment, and is not believed to pose a risk to human health or the environment.

OPERABLE UNIT ASSIGNMENT: N/A

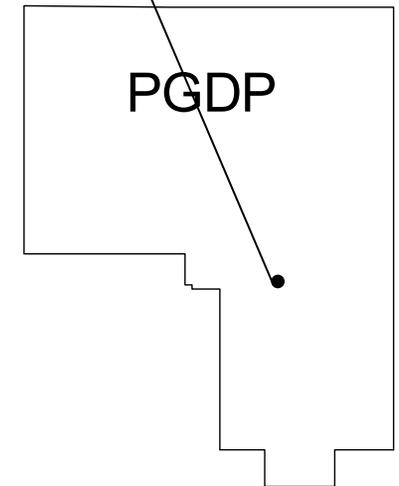


SWMU 275
DMSA C-333-19
View Facing South
October 17, 2007

SWMU 275



SWMU 275



Paducah Gaseous Diffusion Plant



C-333 Ground Floor, East Half - SWMU 275

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



Figure No. C-333-19-275
Date 3-13-08