

DMSA C-333-20
Solid Waste Management Unit Assessment Report

SWMU/AOC NUMBER: 276

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 04/15/03; 12/21/07

REGULATORY STATUS: SWMU

LOCATION: Located in the southeast corner of the C-333 process building between columns U48-49/V48-49

APPROXIMATE DIMENSION OR CAPACITY: 1,411 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 -1995. The objective of this project was to consolidate excess material and equipment scattered throughout the building to provide additional nonradiological controlled floor space. In 1996 this area was deleased by the United States Enrichment Corporation to U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA). In July 2002, DOE began characterization and remediation of the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, which later was incorporated as Appendix E of the 2003 Agreed Order. Characterization activities were completed in February 2007. The Final Inventory and Characterization Report (FI/CR) was submitted April 12, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on June 5, 2007.

Resource Conservation and Recovery Act (RCRA) closure activities are set forth in the *Agreed Order Closure Plan for the DOE Material Storage Areas at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, BJC/PAD-720/R3*. The *Notification of Intent to Proceed with Closure* was submitted on June 7, 2007.

OPERATIONAL STATUS: Inactive

DATES OPERATED: 1995 to 2007

SITE/PROCESS DESCRIPTION: A DOE storage area for miscellaneous equipment and materials located in the southeast corner of the C-333 process building.

WASTE DESCRIPTION: The SWMU is currently empty. Newly discovered RCRA regulated hazardous formerly stored included waste light bulbs, fuses, floor sweep, a lamp starter, and small capacitors. Newly generated RCRA regulated hazardous waste removed included light bulbs, fuses, lead seals, waste oils, and small capacitors. One small capacitor was categorized and removed as Toxic Substances and Control Act regulated polychlorinated biphenyl waste. The low-level wastes formerly stored included electrical cable and wire, motors, fire safes, a metal work table, a welding cart with welders, metal boxes containing miscellaneous metal wastes, and drums of miscellaneous metal, plastic, and wood. Landfill solid wastes formerly stored included metal

items (such as flanges, nuts and bolts, valves, and miscellaneous scaffolding) and a 50-ton air conditioning unit containing no Freon or oil. A detailed description of the characterized waste can be found in the Final Inventory and Characterization Report.

WASTE QUANTITY: currently 0 ft³ - 2,905 ft³ removed

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:	None known

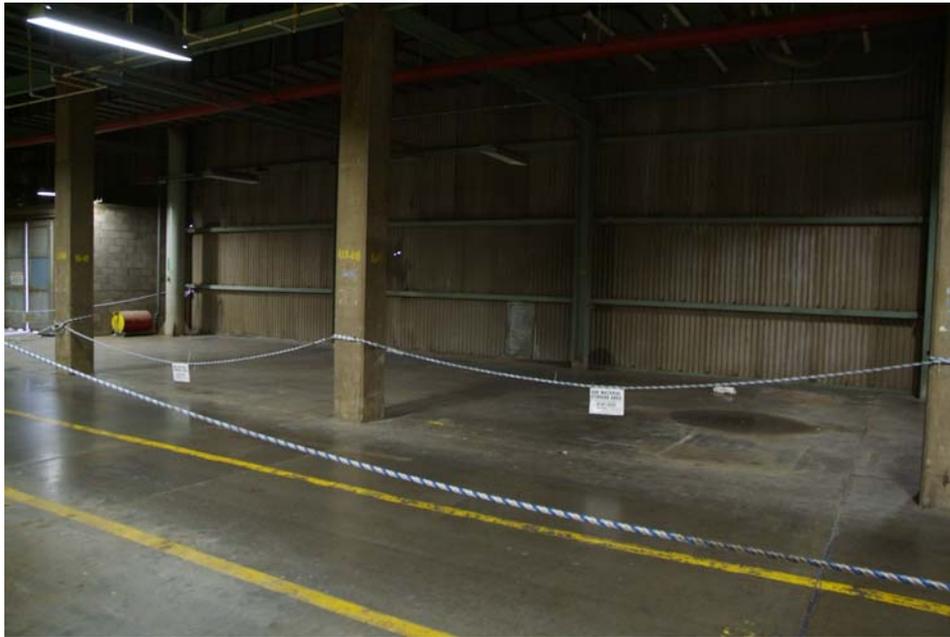
DOCUMENTATION OF NO RELEASE: The *Notification of Intent to Proceed with Closure* submitted on June 7, 2007, documents that no signs of spills or releases were found. There have been no known spills or releases of materials from this SWMU to the environment.

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

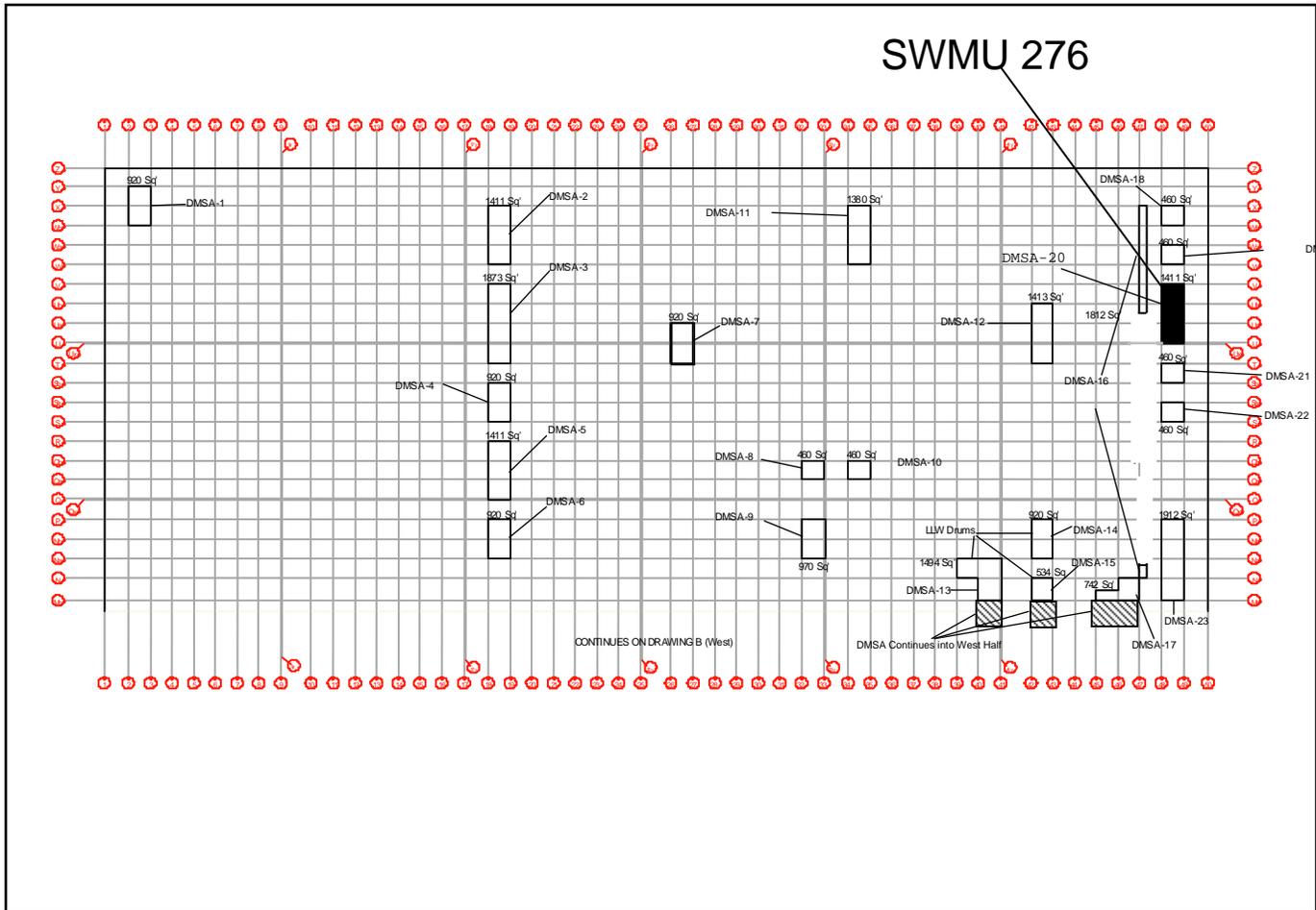
RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this SWMU. This unit is being proposed for no further action since it is no longer active, has no evidence of releases to the environment, and is not believed to pose a risk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

OPERABLE UNIT ASSIGNMENT: N/A

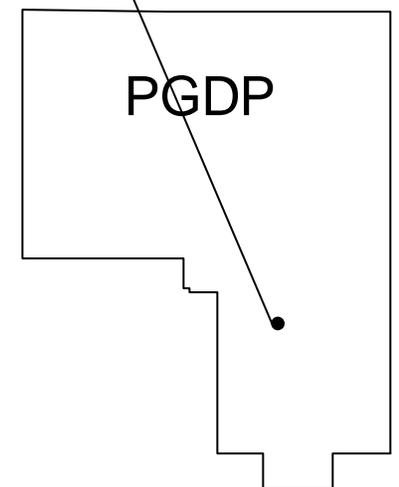


SWMU 276
DMSA C-333-20
View Facing South
November 5, 2007

SWMU 276



SWMU 276



Paducah Gaseous Diffusion Plant

LEGEND

□ OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-333 Ground Floor, East Half - SWMU 276

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



Figure No. C-333-20-276
Date 11-21-00