

DMSA C-333-16 (East)
Solid Waste Management Unit Assessment Report

SWMU/AOC NUMBER: 272

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 12/21/07

REGULATORY STATUS: SWMU

LOCATION: Located along the east side of the C-333 process building between columns Ua47-48/X47-48

APPROXIMATE DIMENSION OR CAPACITY: 1,000 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 non-radiological 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 January 2006, DOE began characterization and remediation of the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, Appendix E of the 2003 Agreed Order. Characterization of the DMSA was completed in March 2007. The Final Inventory and Characterization Report (FI/CR) was submitted June 13, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on July 26, 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 July 9, 2007, to KDWM.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1995–2007

SITE/PROCESS DESCRIPTION: A DOE storage area located on the east side of the C-333 process building.

WASTE DESCRIPTION: The SWMU is currently empty. Newly discovered RCRA regulated hazardous waste formerly stored included welding rods, light bulbs, metal marker, drum of used steam turbine oil, can of pipe thread/gasket sealant, respirator canisters, capacitors, rechargeable batteries, and vacuum tubes. The Toxic Substances and Control Act regulated wastes formerly stored include condensers, capacitors, light ballasts, brake pad, cables, and wires. The low-level wastes formerly stored included metal, paper, plastic, wood, and rubber items. The landfill solid waste formerly stored included metal pallets, welders, control boxes, and a plastic drum. A detailed description of the characterized waste can be found in the Final Inventory and Characterization

Report.

WASTE QUANTITY: currently 0 ft³ - 2,065.38 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 July 9, 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.

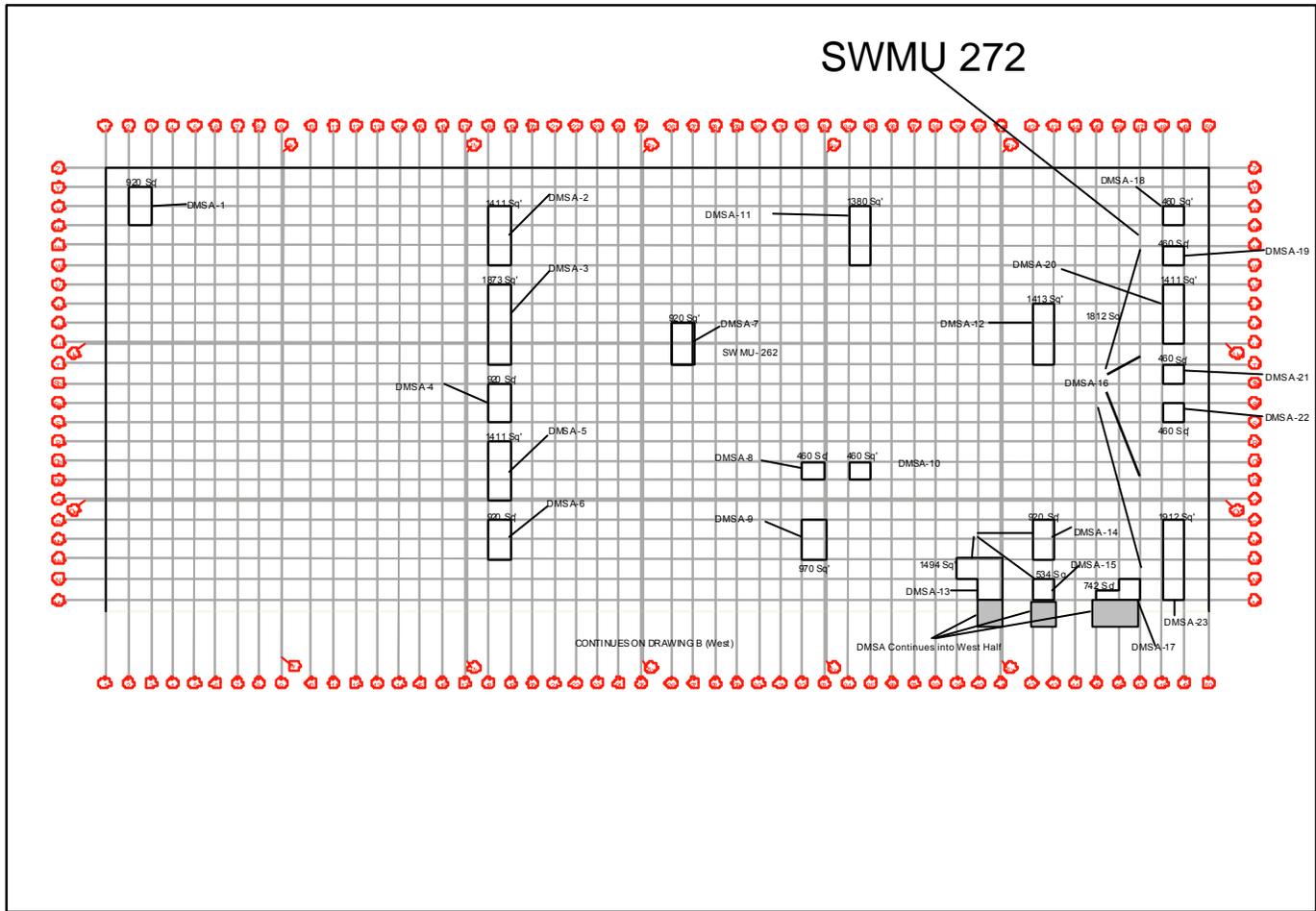
PRG COMPARISON: N/A

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 272
DMSA C-333-16 (East)
View Facing West
December 11, 2007

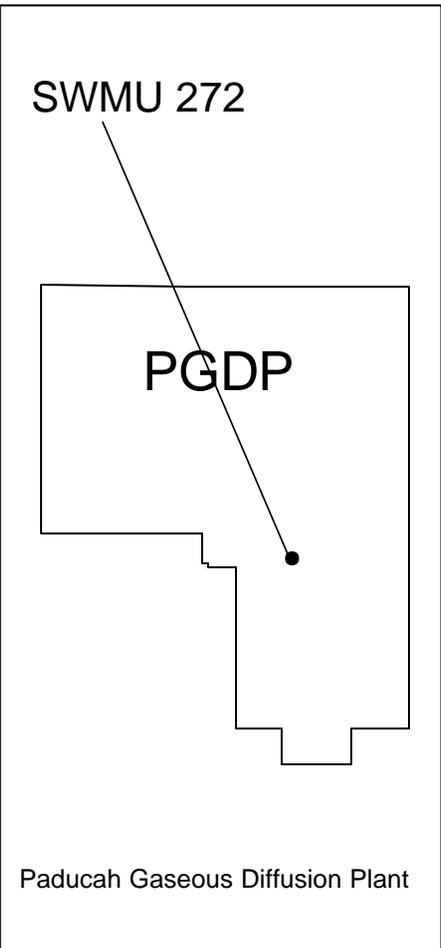


LEGEND

OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC

C-333 Ground Floor, East Half - SWMU 272



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



Figure No. C-333-16-272
Date 11-21-00