

DMSA C-333-21
Solid Waste Management Unit Assessment Report

SWMU/AOC NUMBER: 277

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 Sb48-49/T48-49.

APPROXIMATE DIMENSION OR CAPACITY: 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 1993-1995. 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 June 2002, DOE began characterization/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 January 2007. The Final Inventory and Characterization Report (FI/CR) was submitted March 20, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on May 22, 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 May 7, 2007 to KDWM.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1995 to 2007

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

WASTE DESCRIPTION: The SWMU is currently empty. Newly discovered RCRA regulated hazardous waste formerly stored included three light bulbs, a light bulb base, and an aerosol can. Newly generated RCRA regulated hazardous waste removed included waste oils, fuses, circuit boards, and capacitors. Small capacitors were categorized and removed as Toxic Substances and Control Act regulated polychlorinated biphenyl waste. The low-level wastes formerly stored included small cloth, plastic and metal items to a large pile of wood pallets. Landfill solid wastes formerly stored included metal items such as storage cabinets, copper tubing, empty cans, tool box, air

conditioning units, chair, commode, and miscellaneous metal items. A detailed description of the characterized waste can be found in the Final Inventory and Characterization Report.

WASTE QUANTITY: currently 0 ft³ - 1,932 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 May 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.

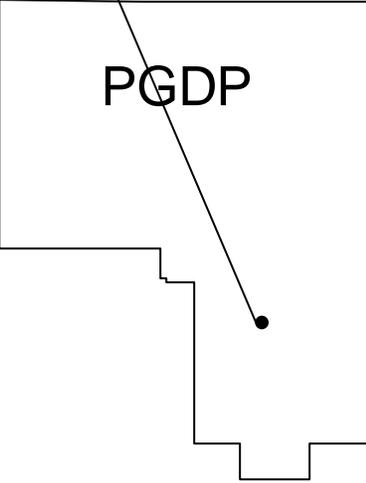
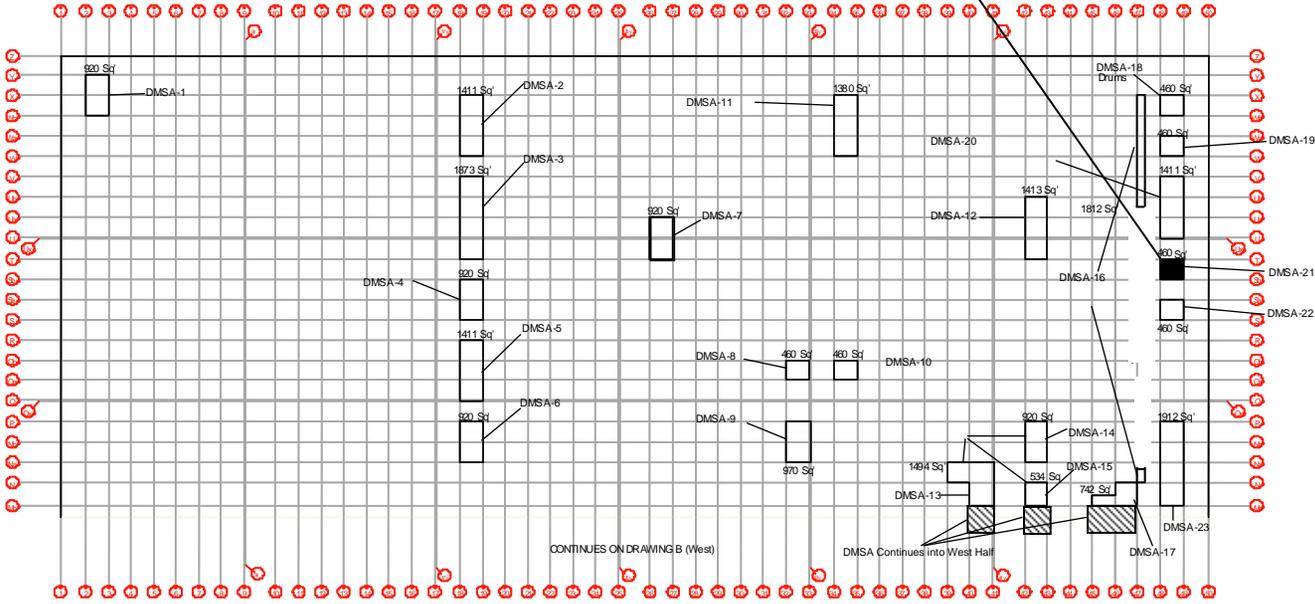
OPERABLE UNIT ASSIGNMENT: N/A



SWMU 277
DMSA C-333-21
View Facing South
November 5, 2007

SWMU 277

SWMU 277



PGDP

Paducah Gaseous Diffusion Plant

LEGEND

□ OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC

E



C-333 Ground Floor, East Half - SWMU 277

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



Figure No. C-333-21-277
Date 11-21-00