

DMSA C-333-08
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 263

DATE OF ORIGINAL SAR: 2/01/00

DATE OF SAR REVISIONS: 03/31/06; 03/15/09

REGULATORY STATUS: Solid Waste Management Unit (SWMU)

LOCATION: Located in the east half of C-333 process building at columns Qa32-33/Qb32-33

APPROXIMATE DIMENSION OR CAPACITY: 400 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: In the late 1980s, the generation rate of low-level waste (LLW) exceeded the capacity of existing waste storage facilities, and areas in C-333 were established as supplemental waste storage areas. In 1996, 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). From September 2005 to October 2006, DOE characterized the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, Appendix E of the 2003 Agreed Order. The Final Inventory and Characterization Report (FI/CR) was submitted December 19, 2006, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on April 27, 2007.

Resource Conservation and Recovery Act (RCRA) closure activities were performed as 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, submitted on December 22, 2005, and approved by KDWM on April 16, 2006. The *Notification of Intent to Proceed with Closure* was submitted on February 9, 2007, and approved by KDWM on February 21, 2007. The *Final Closure Certification Report* was submitted on August 9, 2007, and approved by KDWM on October 8, 2007.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1987 to 2006

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the east half of C-333 process building.

WASTE DESCRIPTION: The SWMU currently is empty. Newly discovered RCRA hazardous waste formerly stored included light starters, vacuum tubes, propylene glycol, drums of floor sweep, welding rods, miscellaneous lead items, light bulbs, electronic components, capacitors, fuses, and valve seal lead pieces. Newly generated RCRA hazardous waste removed included capacitors, light bulb ends, electronic components, and solder. The Toxic Substances Control Act waste consisted of a fluorescent light ballast, a piece of presumed asbestos-insulated wire, and several pieces of wire containing polychlorinated biphenyls. The LLW formerly stored consisted generally of oily rags, pigs, and pads; floor sweep; miscellaneous paper, cardboard,

plastic, and metal; oily nonporous material; 55-gallon empty drums or drums containing an oily residue; and miscellaneous metal items. Three wood pallets (approximately 24 ft³) were identified as reusable material. 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 803 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: The *Notification of Intent to Proceed with Closure* submitted on February 9, 2007, approved by KDWM on February 21, 2007, and the Closure Certification Report was submitted on August 9, 2007, document 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

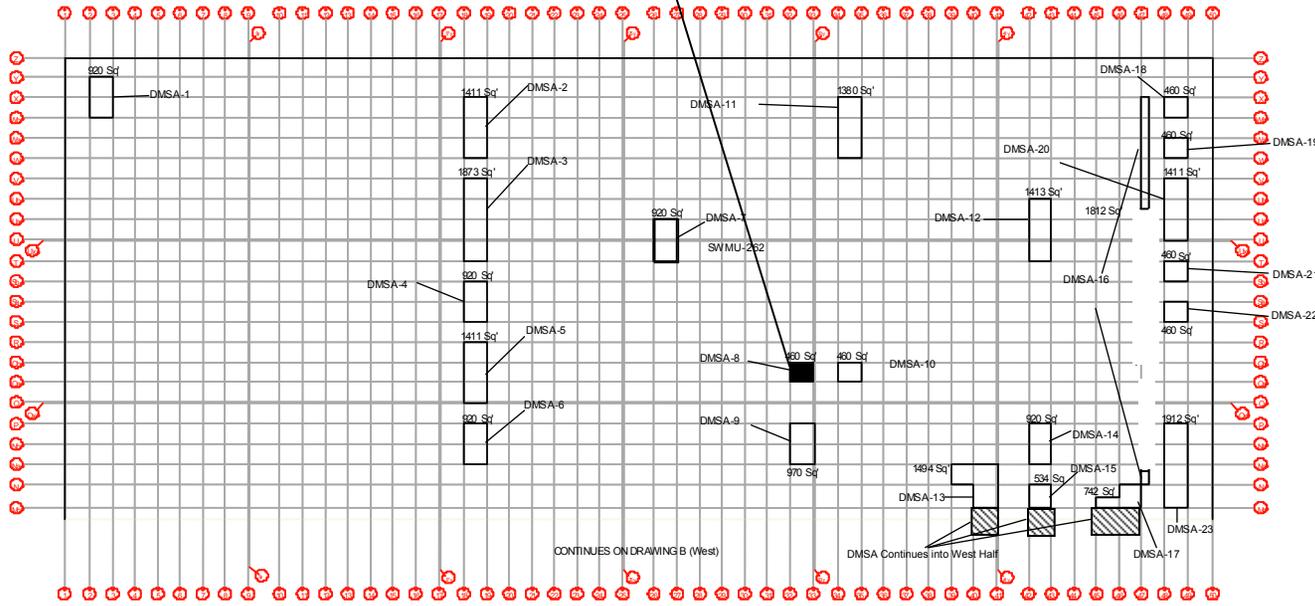
RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this DMSA. This unit is being proposed for no further action since it no longer is active, has no evidence of releases to the environment, and is not believed to pose a risk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

OPERABLE UNIT ASSIGNMENT: N/A

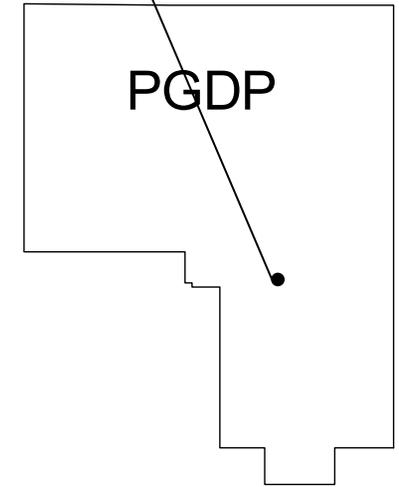


SWMU 263
DMSA C-333-08
View Facing South
November 5, 2007

SWMU 263



SWMU 263



Paducah Gaseous Diffusion Plant

Official DOE DMSA per 12/31/06 Agreement between DOE and USEC



C-333 Ground Floor, East Half - SWMU 263

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



Figure No. C5ac90002SK276
Date 2-19-08