

DMSA C-333-40
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 293

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISION: 03/15/09

REGULATORY STATUS: SWMU

LOCATION: South wall of the C-333 process building between columns J48/49–Ja48/49

APPROXIMATE DIMENSION OR CAPACITY: 528 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 (USEC) to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA). In December 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. The Final Inventory and Characterization Report (FI/CR) was submitted on February 9, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on May 22, 2007. Resource Conservation and Recovery Act closure was not required for this SWMU, since no hazardous wastes were stored in this unit, per the 2003 Agreed Order

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1995 to 2006

SITE/PROCESS DESCRIPTION: A DOE designated storage area for excess equipment located along the south wall of the C-333 process building.

WASTE DESCRIPTION: The SWMU currently is empty. No waste was present in the DMSA. During characterization, only reusable material was identified in this DMSA: a large recirculating cooling water condenser on a metal cart. The item was transferred to the USEC for use. A detailed description of the characterized material formerly stored in the SWMU can be found in the FI/CR.

WASTE QUANTITY: 0 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

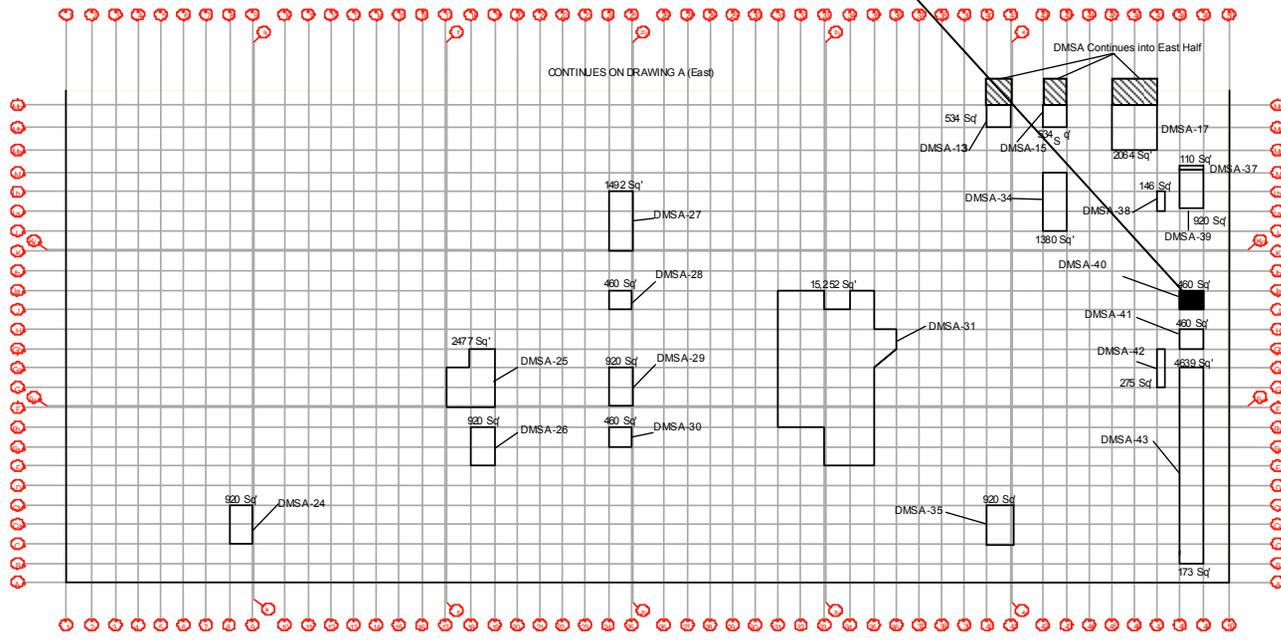
RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. All materials have been removed from this DMSA. This unit is being proposed for no further action since it no longer is active, has no evidence of releases to the environment, and is not believed to pose a risk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

OPERABLE UNIT ASSIGNMENT: N/A

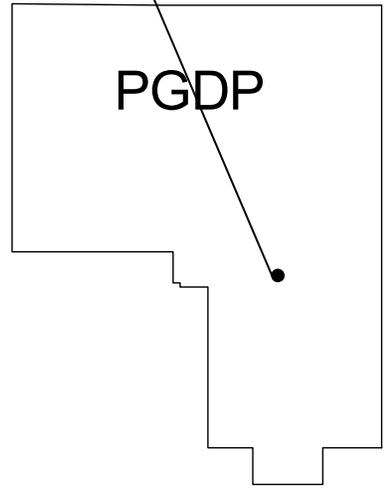


SWMU 293
DMSA C-333-40
View Facing South
October 17, 2007

SWMU 293



SWMU 293



Paducah Gaseous Diffusion Plant

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



C-333 Ground Floor, West Half - SWMU 293

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



Figure No. C-333-40-293
Date 3-14-08