

**DMSA C-333-41**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 294

**DATE OF ORIGINAL SAR:** 12/01/00

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

**REGULATORY STATUS:** SWMU

**LOCATION:** Located in the C-333 process building in the southwest quadrant near columns Gb48-49/H48-49

**APPROXIMATE DIMENSION OR CAPACITY:** 460 ft<sup>2</sup>

**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 released by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA). From June 2005 to March 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 May 11, 2006, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on January 8, 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 December 22, 2005, and approved by KDWM on April 16, 2006. The *Notification of Intent to Proceed with Closure* was submitted on July 14, 2006, and approved by KDWM on February 20, 2007. The *Final Closure Certification Report* was submitted on August 9, 2007. Final closure approval from KDWM was received October 8, 2007.

**PRESENT OPERATIONAL STATUS:** Inactive.

**DATES OPERATED:** 1995 to 2006

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

**WASTE DESCRIPTION:** The SWMU currently is empty. Newly discovered RCRA hazardous waste formerly stored included welding rods, solder, a Nissen metal marker, fluorescent light starters, incandescent light bulbs and ends, fluorescent light bulb ends, miscellaneous lead pieces, and numerous drums of oily rags and debris. The Toxic Substances Control Act waste formerly stored consisted of a capacitor, drums of asbestos wastes and polychlorinated biphenyl bulk product wastes. The low-level waste drums formerly stored contained paper, plastic,

personal protective equipment, metal, respirators, and rubber items. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

**WASTE QUANTITY:** Currently 0 ft<sup>3</sup>; waste quantity removed 1,463 ft<sup>3</sup>

**SUMMARY OF ENVIRONMENTAL SAMPLING DATA:** No sampling of environmental media has occurred.

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:**

<b>GROUNDWATER:</b>	None known
<b>SURFACE WATER:</b>	None known
<b>SOIL:</b>	None known
<b>ECOLOGY AFFECTED</b> (i.e., threatened/endangered species):	None known

**DOCUMENTATION OF NO RELEASE:** The *Notification of Intent to Proceed with Closure* submitted on July 14, 2006, approved on February 20, 2007, and the *Closure Certification Report*, submitted on August 9, 2007, approved on October 8, 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

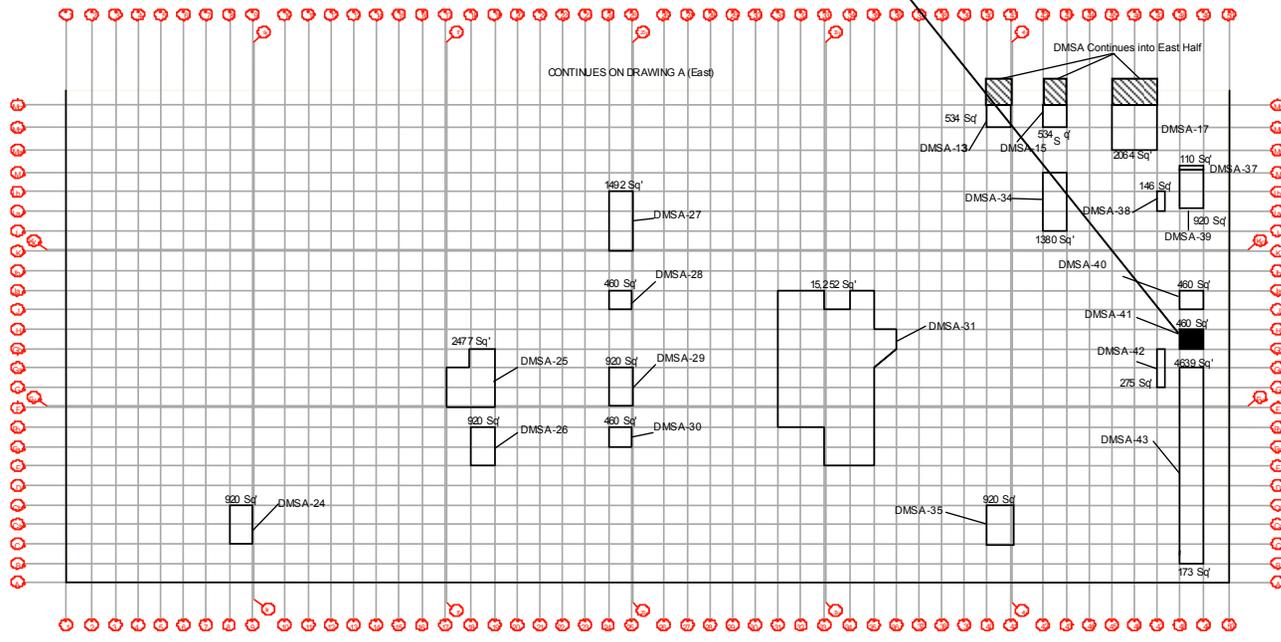
**RFI NECESSARY:** No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this DMSA. This unit is being proposed for no further action since it no longer is active, has no evidence of releases to the environment, and is not believed to pose a risk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

**OPERABLE UNIT ASSIGNMENT:** N/A

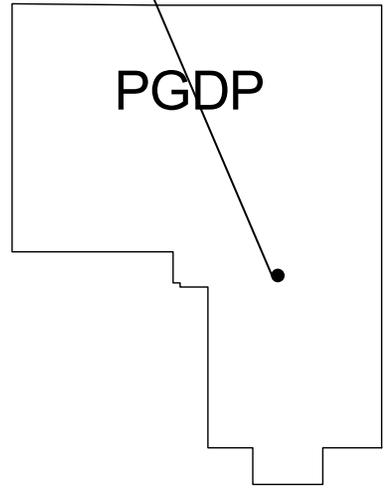


SWMU 294  
DMSA C-333-41  
View Facing South  
November 5, 2007

# SWMU 294



# SWMU 294



Paducah Gaseous Diffusion Plant

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



## C-333 Ground Floor, West Half - SWMU 294

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



Figure No. C5ac90002SK277  
Date 2-19-08