

DMSA C-333-31
Solid Waste Management Unit Assessment Report

SWMU/AOC NUMBER: 287

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 9/9/02; 4/14/03; 12/21/07

REGULATORY STATUS: SWMU

LOCATION: Located in the southwest corner of the C-333 process building bounded by columns E-Ja/31-36.

APPROXIMATE DIMENSION OR CAPACITY: 16,000 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: The area was used from approximately 1980 to 2002 for the storage of excess enrichment and maintenance process equipment. In 1996 this area was released by the United States Enrichment Corporation to U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA). In August 2001 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 September 2002. The Final Inventory and Characterization Report (FI/CR) was submitted December 31, 2002, to the Kentucky Division of Waste Management (KDWM). KDWM conditionally approved the FI/CR on April 15, 2004. To address the comments in the conditional approval, an addendum was submitted August 30, 2005.

Resource Conservation and Recovery Act (RCRA) closure activities were performed as set forth in the *Closure Plan, Post-Closure, and Financial Requirements for SWMU 287 (DMSA C-333-31), Paducah Gaseous Diffusion Plant, BJC/PAD-426/R1*. The *Closure Plan* was submitted on December 30, 2003. A RCRA Closure Certification Report was submitted to the KDWM in October 2006 and was approved by KDWM on February 13, 2007.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1980 to 2002

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 fluorescent light starters, resin core solder spool, broken light bulb, fuses, manometer, solder, epoxy, and light bulbs. Newly generated RCRA regulated hazardous wastes removed included light bulb, fuses, circuit boards, and waste oils. The Toxic Substances and Control Act regulated wastes formerly stored included two electrical cables, and numerous capacitors. Brake pads and insulation from a welding machine, an oven, and a stator were identified and removed as asbestos-containing material. The low-level wastes formerly stored

included miscellaneous scrap metal parts, wood and plastic, maintenance tools, work platforms, carts and wooden pallets. A detailed description of the characterized waste can be found in the Final Inventory and Characterization Report.

WASTE QUANTITY: currently 0 ft³ - 24,783 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 *Closure Plan, Post-Closure, and Financial Requirements for SWMU 287 (DMSA C-333-31), Paducah Gaseous Diffusion Plant, BJC/PAD-426/R1* (December 2003), and the Closure Certification for DMSA C-333-31 submitted on September 25, 2006, approved by KDWM on February 13, 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 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

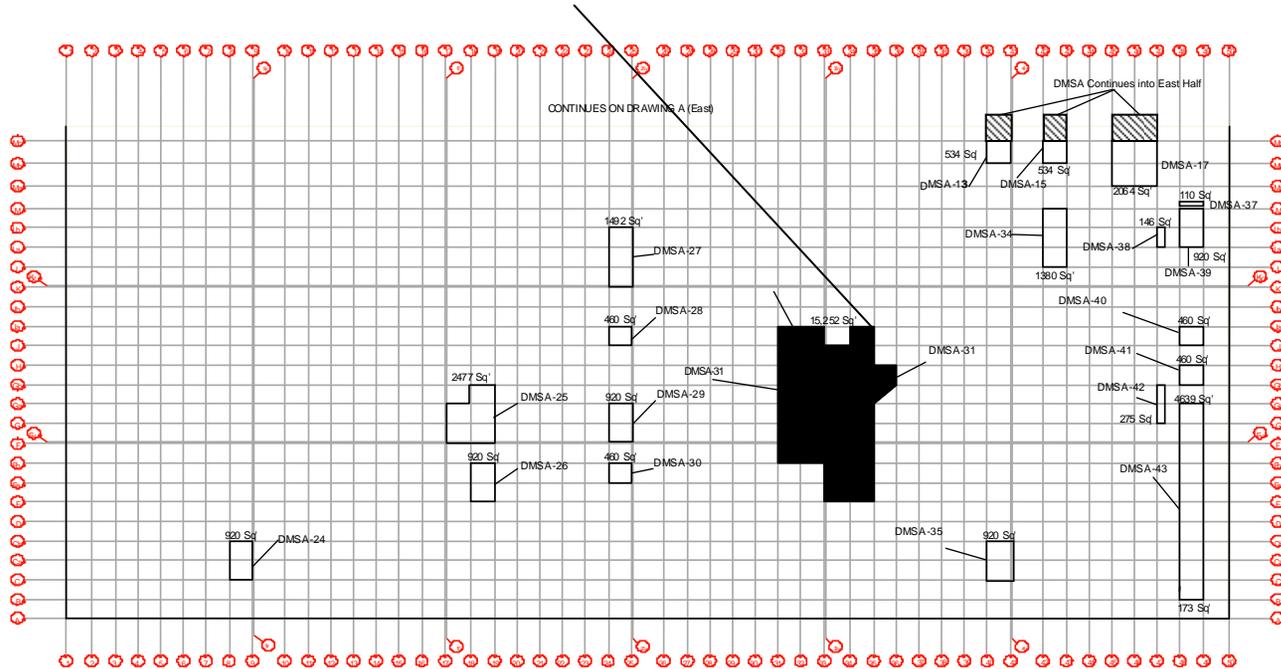


SWMU 287
DMSA C-333-31
View Facing East
November 5, 2007

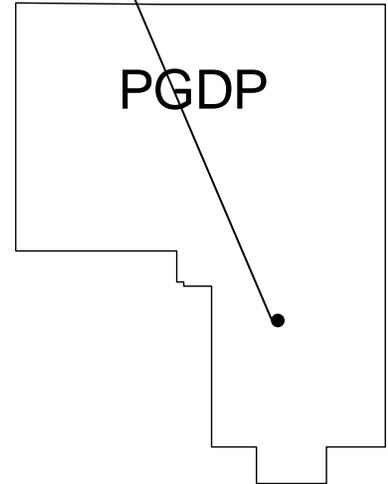


SWMU 287
DMSA C-333-31
View Facing Southwest
November 5, 2007

SWMU 287



SWMU 287



Paducah Gaseous Diffusion Plant

LEGEND

 OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-333 Ground Floor, West Half - SWMU 287

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



Figure No. C-333-31-287
Date 11-21-00