

DMSA C-310-02
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 231

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 01/10/03; 12/21/07; 06/14/10

REGULATORY STATUS: SWMU

LOCATION: Along the east wall of the C-310 Process Building near columns E12/14-F12/14.

APPROXIMATE DIMENSION OR CAPACITY: 600 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: The storage area consists of a fenced area (cage), approximately 300 ft², constructed between 1978-1980, and the adjacent area. In the 1990s, Electrical Maintenance began using this area for storage of electrical supplies. On December 31, 1996, the cage and surrounding area was released by the United States Enrichment Corporation (USEC) to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA).

From August 2002 to May 2003, DOE characterized materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, which was incorporated as Appendix E of the 2003 Agreed Order. A Satellite Accumulation Area (SAA) was established within the DMSA on November 19, 2002, to store characterized hazardous waste. The *Final Inventory and Characterization Report (FI/CR)* was submitted September 19, 2003, with an erratum submitted on March 8, 2004, to the Kentucky Division of Waste Management (KDWM). KDWM conditionally approved the FI/CR on April 15, 2004. DOE provided a response to the conditional approval on May 21, 2004. The SAA was closed on November 19, 2004. This area was subsequently used for staging of characterized LLW waste from other DMSAs until 2008.

Resource Conservation and Recovery Act (RCRA) closure activities were performed as set forth in the *Closure Plan, Post-Closure, and Financial Requirements for SWMU 231 (DMSA C-310-02), Paducah Gaseous Diffusion Plant, BJC/PAD-494/R1*, submitted on December 22, 2005, and approved on April 16, 2006. The Final Closure Certification was submitted to KDWM in October 2006 and approved on February 13, 2007.

This area was transferred to USEC on March 14, 2008.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1978 to 2008

SITE/PROCESS DESCRIPTION: An inside DOE storage area that includes a fenced area located along the east wall of the C-310 Process Building.

WASTE DESCRIPTION: The SWMU currently is empty of DMSA materials. The low-level waste formerly stored included pieces of metal parts and equipment (such as tables and cabinets), wooden items (such as shelves and scaffolding), paper, plastic, rubber items, excess laboratory equipment (such as a gas scrubber, combustible gas analyzer, an ozonator, denitrification unit, and 24 small sources), and large B-25 boxes (with cardboard, wood, plastic and miscellaneous pieces of lab equipment). Newly discovered RCRA regulated hazardous waste formerly stored included two aerosol cans. Newly generated RCRA regulated hazardous waste formerly stored consisted of circuit boards, fuses, light bulbs, aerosol cans, vacuum tubes, and pump oils. The Toxic Substances and Control Act regulated waste formerly stored included twelve capacitors and asbestos containing materials. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³ of DMSA waste; waste quantity removed 1,110 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 *Closure Plan, Post-Closure, and Financial Requirements for SWMU 231 (DMSA C-310-02), Paducah Gaseous Diffusion Plant, BJC/PAD-494/R1*, submitted on December 22, 2005, approved by KDWM on April 16, 2006, and the Final Closure Certification submitted in October 2006, approved by KDWM on February 13, 2007, document that no signs of spill or release 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.

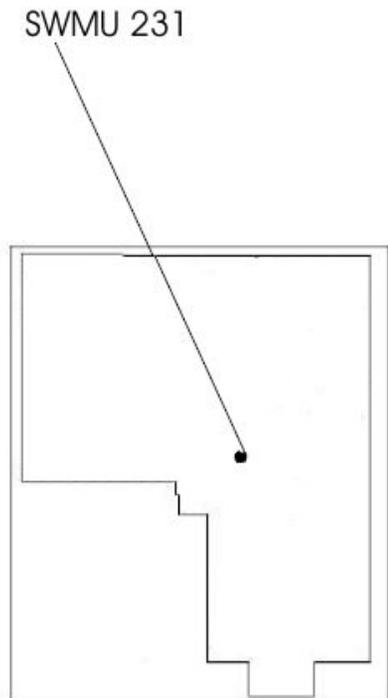
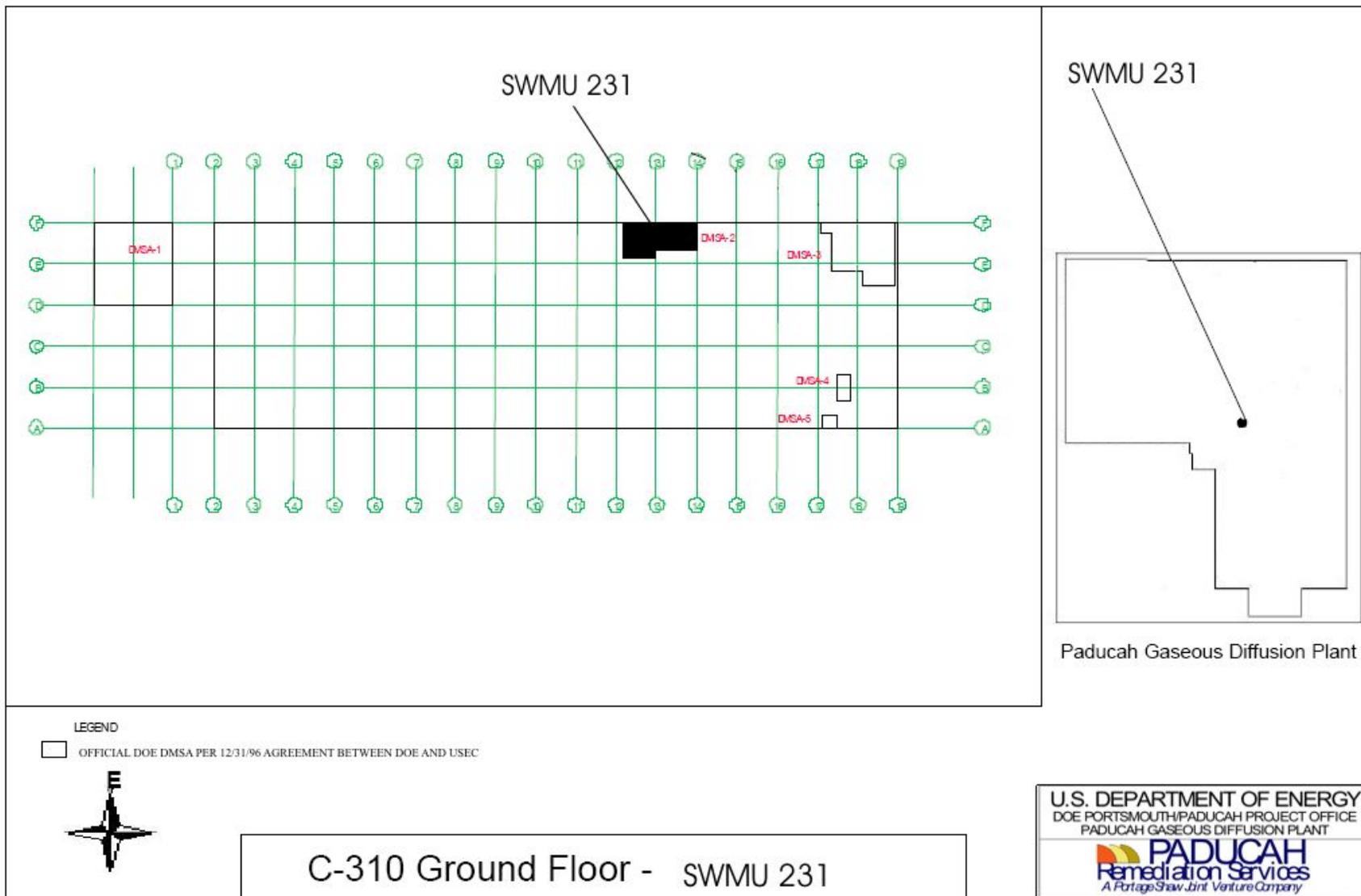
PRG COMPARISON: N/A

RFI NECESSARY: No. This 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 because 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 231
DMSA C-310-02
Showing USEC Materials
June 23, 2009**



Paducah Gaseous Diffusion Plant

C-310 Ground Floor - SWMU 231

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

PADUCAH
Remediation Services
A Portage-Stow-Lint Venture Company