

DMSA C-331-12
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 246

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 01/24/03; 03/09/04; 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Located in the southwest quadrant of the C-331 process building between columns Z7-8/BB7-8

APPROXIMATE DIMENSION OR CAPACITY: 1,100 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: Most of the storage areas in C-331 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 to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA). From July 2002 to May 2007, 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. A satellite accumulation area (SAA) was established on December 16, 2002, to store hazardous waste during the characterization of this DMSA. The SAA was closed on June 18, 2003. The Final Inventory and Characterization Report (FI/CR) was submitted July 19, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on August 30, 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 on April 16, 2006. The *Notification of Intent to Proceed with Closure* was submitted on September 10, 2007, and approved on September 28, 2007. A RCRA Final Closure Certification Report was submitted to KDWM on February 21, 2008, and was approved by KDWM on March 25, 2008.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1993 to 2007

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the southwest quadrant of the C-331 process building.

WASTE DESCRIPTION: The SWMU currently is empty. Newly discovered RCRA hazardous waste formerly stored in this DMSA included fuses and respirator canisters. Newly generated RCRA hazardous waste removed included fuses and oils. The low-level waste (LLW) formerly stored

included cooler lifting fixtures, cooler finning and assembly tables, cooler tube sheets, a cooler rotating device and shroud, milling machines, work tables, monorail stands, a drill press, and wooden pallets. Cooler maintenance and fabrication items formerly stored, such as a tube sheet building fixture, a rotating device, tooling dies, clamps, fins, tube guides, transporters, and cradles along with their wooden boxes or crates, were categorized as LLW. Other LLW formerly stored included a vacuum pump, a hydraulic punch press and ancillary equipment, electrical insulating material, bonding straps, switchgear mounting steel, and miscellaneous metal items and their wooden boxes. The Toxic Substances and Control Act-regulated polychlorinated biphenyl waste formerly stored included hydraulic oils, two hydraulic tube expanders, and a hydraulic punch press. A pair of furnace gloves formerly stored was categorized as presumed asbestos-containing 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 3,807 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 *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 on April 16, 2006. The Closure Certification for DMSA C-331-15 submitted on February 21, 2008, and approved by KDWM on March 25, 2008, documents 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: No evidence exists that this SWMU impacts or is being impacted by other SWMUs.

PRG COMPARISON: N/A

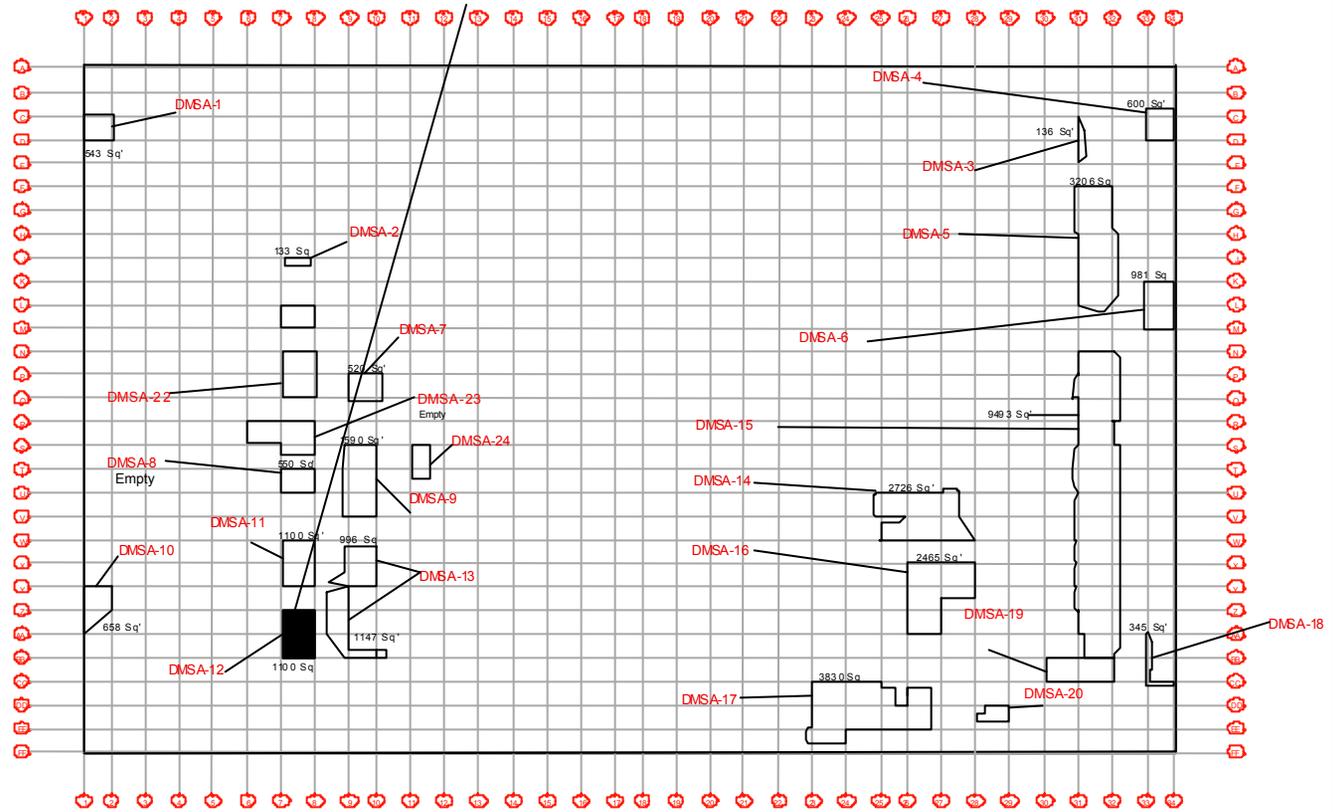
RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this SWMU. This unit is being proposed for no further action since it no longer is active, has no evidence of releases to the environment, and is not believed to pose a risk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

OPERABLE UNIT ASSIGNMENT: N/A

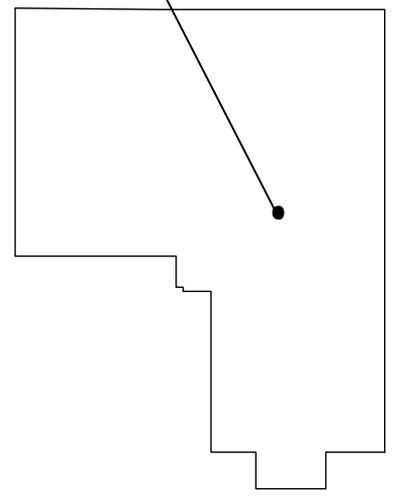


SWMU 246
DMSA C-331-12
View Facing Southwest
November 5, 2007

SWMU 246



SWMU 246



Paducah Gaseous Diffusion Plant

LEGEND

 OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-331 Ground Floor - SWMU 246

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



Figure No. C-331-12-246
Date 02-27-08