

DMSA C-331-15
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 249

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 12/11/01; 7/2/02; 3/01/05; 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Ground floor near the east wall of the C-331 process building at columns N31-32/BB 31-32

APPROXIMATE DIMENSION OR CAPACITY: 5,200 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 declassified by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA).

From June 2001 to August 2001, 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 May 29, 2003, 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, addenda were submitted on May 21, 2004, and August 30, 2005.

Resource Conservation and Recovery Act (RCRA) closure activities were performed as set forth in the *Revised Closure Plan, Post-Closure, and Financial Requirements for SWMU 249 (DMSA C-331-15), Paducah Gaseous Diffusion Plant, Paducah, Kentucky, BJC/PAD-391/R2*. A RCRA Final Closure Certification Report was submitted to KDWM on October 18, 2006, and was approved by KDWM on February 13, 2007.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1993 to 2006

SITE/PROCESS DESCRIPTION: A storage area for excess electrical, maintenance, and process equipment located on the east side of the C-331 process building.

WASTE DESCRIPTION: The SWMU currently is empty. Newly discovered RCRA hazardous waste formerly stored included light bulbs, a tube of epoxy, and an electronic tube. Newly generated RCRA hazardous waste removed included fuses, circuit boards, light bulbs, and waste oil. The low-level waste formerly stored included items such as calcined petroleum coke, activated alumina, various pieces of equipment/parts, numerous motors, cabinets, and miscellaneous pieces of scrap metal and wire. The Toxic Substances Control Act polychlorinated biphenyl waste formerly stored included capacitors and induction motor. Asbestos-containing materials formerly stored included

cloth, insulation, asbestos wrapped motor coils and a gasket. 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 12,000 ft³

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

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: There are no known releases associated with this SWMU.

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

DOCUMENTATION OF NO RELEASE: The *Revised Closure Plan, Post-Closure, and Financial Requirements for SWMU 249 (DMSA C-331-15), Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, BJC/PAD-391/R2, was approved by KDWM on April 14, 2006. The *Closure Certification Report* for DMSA C-331-15 submitted on October 18, 2006, and approved by KDWM on February 13, 2007, 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: 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 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

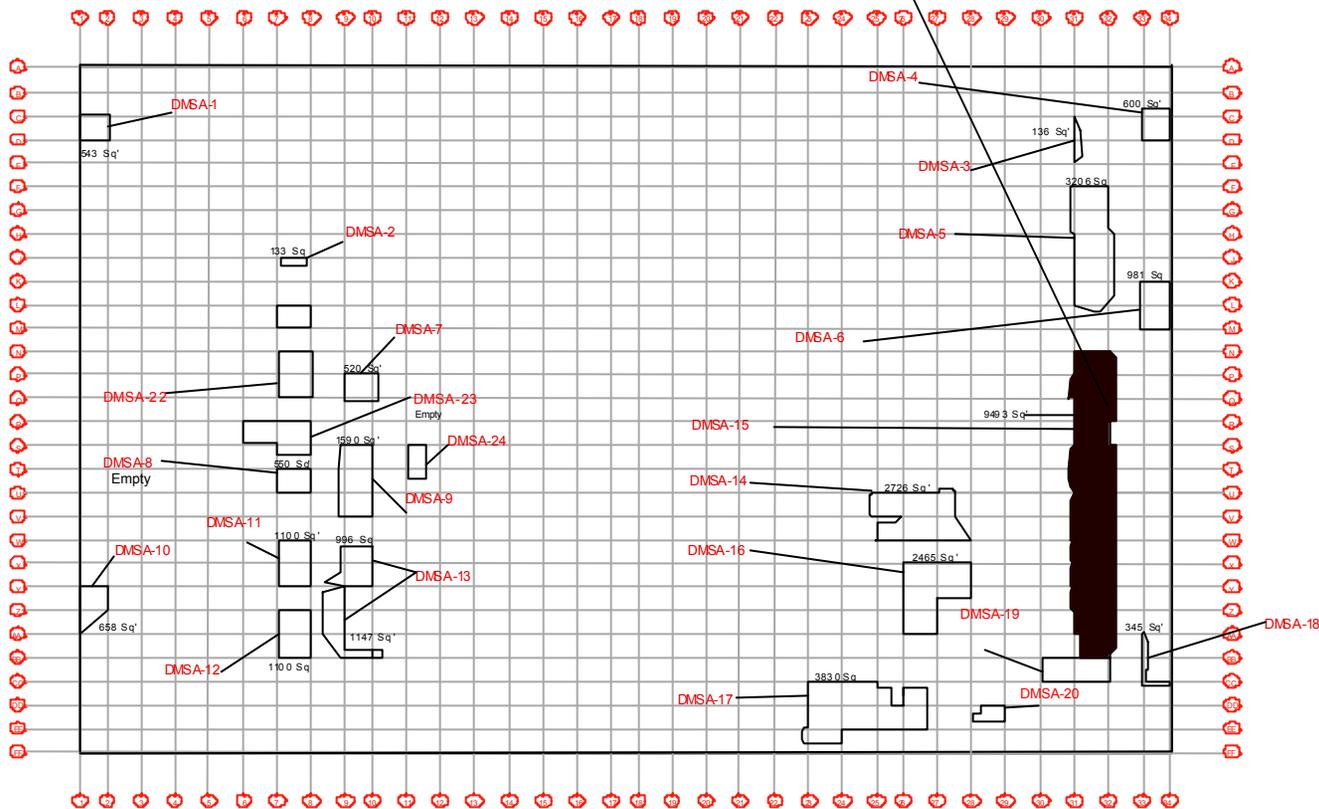


SWMU 249
DMSA 331-15
View Facing North
October 17, 2007

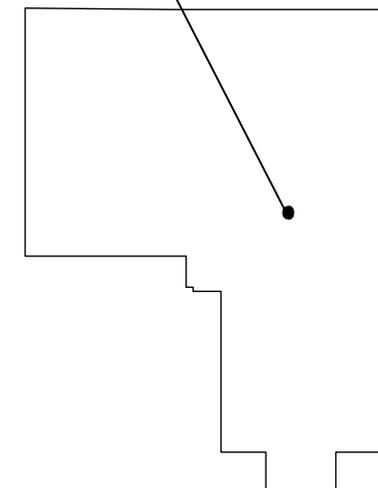


SWMU 249
DMSA 331-15
View Facing South
October 17, 2007

SWMU 249



SWMU 249



Paducah Gaseous Diffusion Plant

LEGEND

□ OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-331 Ground Floor - SWMU 249

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



Figure No. C-331-15-249
Date 04-03-08