

DMSA OS-07
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 218

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/24/04; 03/01/05; 03/15/09

REGULATORY STATUS: SWMU

LOCATION: West of C-741 Equipment Storage Shed and the C-720 Maintenance Facility.

APPROXIMATE DIMENSION OR CAPACITY: 6,000 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: This storage area was established in 1993, when the United States Enrichment Corporation (USEC) was created. During transition operations, the C-720 shops segregated the excess maintenance equipment and supplies to be returned to the U.S. Department of Energy (DOE), (i.e., not leased by USEC). In 1996, this area was deleased by USEC to DOE as a DOE Material Storage Area (DMSA). From August 2003 to July 2004, 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 October 29, 2003. The SAA was closed on June 10, 2004. The Final Inventory and Characterization Report (FI/CR) was submitted September 29, 2004, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on July 28, 2005.

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* for this SWMU also was included with the December 22, 2005 submittal. 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 2004

SITE/PROCESS DESCRIPTION: An outside DOE storage area located within the Paducah Gaseous Diffusion Plant fenced security area.

WASTE DESCRIPTION: The SWMU currently is empty. Newly discovered RCRA hazardous waste formerly stored included light bulbs, fuses, vacuum tubes, Ni-Cad batteries, carburizing material, and circuit boards. Newly generated RCRA hazardous waste removed included light bulbs, hydraulic fluid, oil, fuses, vacuum tubes, mercury switches, Ni-Cad batteries, a container of water (with grease, cadmium, and lead), and circuit boards. The Toxic Substances Control Act-regulated polychlorinated biphenyl waste formerly stored included capacitors, oily rags, and light ballasts. The asbestos-containing materials formerly stored consisted of brake pads, asbestos clothes, and

materials from asbestos enclosures. The low-level wastes formerly stored included scrap metal, oily rags, metal shavings, floor sweep, shot blast dust, and personal protective equipment. Landfill solid waste formerly stored included scrap metal, concrete, wood, and various other items. 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 10,202 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 *Notification to Proceed with Closure* submitted with the *Agreed Order Closure Plan for the DOE Material Storage Areas at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, BJC/PAD-720/R3, approved by KDWM on April 16, 2006; and the *Closure Certification* for DMSA C-331-15 submitted on October 18, 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 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.

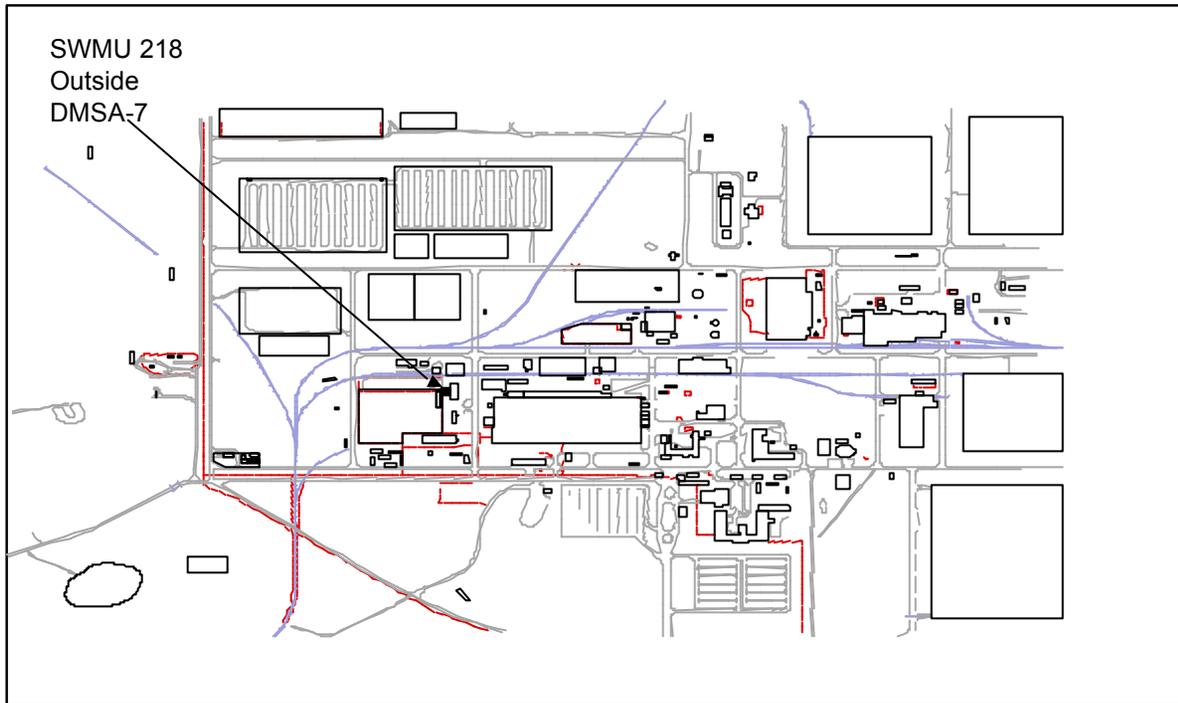
OPERABLE UNIT ASSIGNMENT: Soils Operable Unit



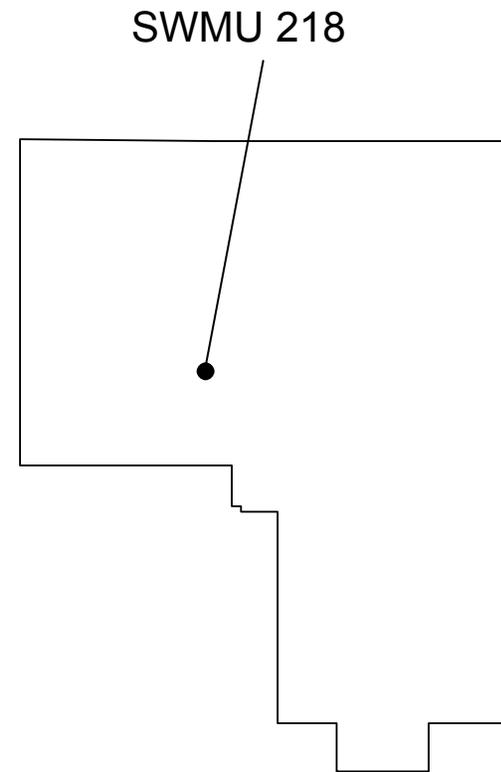
SWMU 218
DMSA OS-07
View Facing South
October 17, 2007



SWMU 218
DMSA OS-07
View Facing North
September 6, 2007



LEGEND
 □ OFFICIAL DOE DMSAs PER 12/31/96
 AGREEMENT BETWEEN DOE AND USEC



Paducah Gaseous Diffusion Plant

Outside Areas - SWMU 218

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



Figure No. OS-07-218
 Date 05-27-08