

DMSA OS-05
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 216

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/15/09

REGULATORY STATUS: SWMU

LOCATION: West of the intersection of 4th and Tennessee Streets in the southwest quadrant of the plant.

APPROXIMATE DIMENSION OR CAPACITY: 7,000 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: The initiation of this area as a storage area for fire extinguishers is unknown. On December 31, 1996, the area was released by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA). In 1997 or 1998, the majority of the fire extinguishers were placed in a covered metal bin located next to the roped portion of the DMSA.

In 1998 and also from December 2001 to April 2002, DOE conducted characterization/remediation of 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 September 11, 2002, 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 *Closure Plan, Post-Closure, and Financial Requirements for SWMU 216 (DMSA OS-05), Paducah Gaseous Diffusion Plant, Paducah, Kentucky, BJC/PAD-432/R1*, submitted to KDWM on September 26, 2002, and approved on April 14, 2006. The 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: Unknown to 2004

SITE/PROCESS DESCRIPTION: An outside DOE storage area located within the security fence area for excess material used primarily by Paducah Gaseous Diffusion Plant Fire Services.

WASTE DESCRIPTION: The SWMU currently is empty. Newly discovered RCRA regulated hazardous waste formerly stored included lead waste fuses, small light bulbs, and approximately 5 gal of waste oil. The low-level waste formerly stored included a

motor, pallets, 5-gal containers, a 55-gal drum, fire extinguishers, a cross tie, and roll-off bins. A detailed description of the characterized waste can be found in the FI/CR. The RCRA hazardous waste items are not described in the FI/CR because they were removed in 1998.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 4,899 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 216 (DMSA OS-05), Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, BJC/PAD-432/R1, approved by KDWM on April 14, 2006, and the Final Closure Certification Report for DMSA OS-05 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.

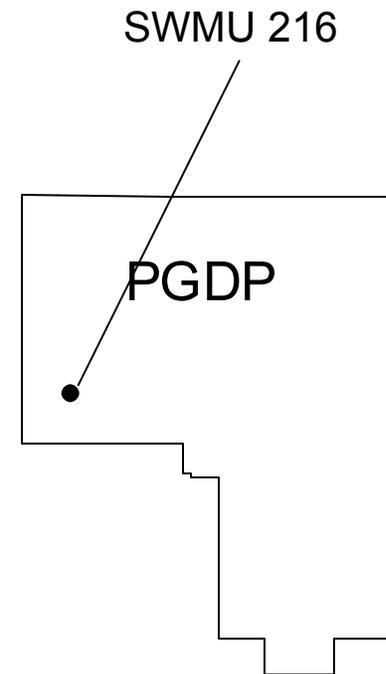
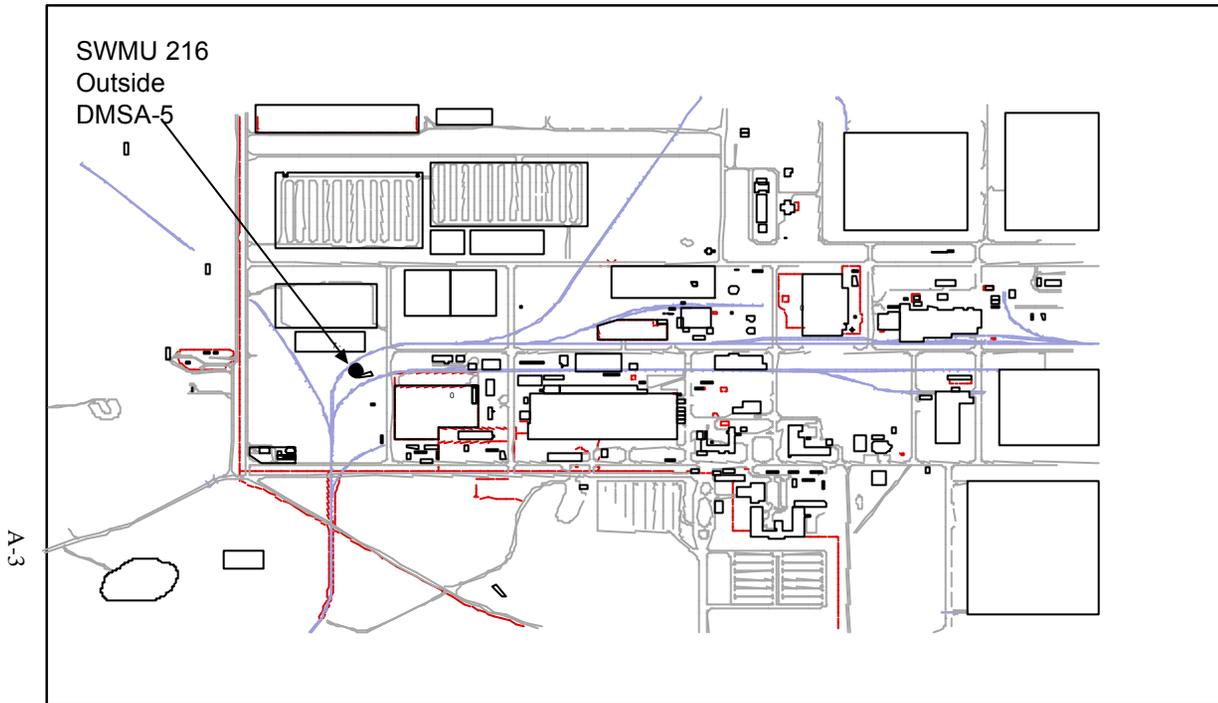
PRG COMPARISON: N/A

RFI NECESSARY: No. This unit is being proposed for no further action since it 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: Soils Operable Unit



SWMU 216
DMSA OS-05 (Photo from Northeast looking Southwest)
August 26, 2008



Paducah Gaseous Diffusion Plant

Outside Areas - SWMU 216

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



Figure No. OS-05-216
Date 11-10-08