

DMSA OS-03
Solid Waste Management Unit Assessment Report

SWMU/AOC NUMBER: 214

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 07/02/02; 12/21/07

REGULATORY STATUS: SWMU

LOCATION: On the east side of the C-611 Water Treatment Plant, within the fenced area of the treatment plant.

APPROXIMATE DIMENSION OR CAPACITY: 175 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: Prior to 1994, this area was partially graveled and grass covered. No uses prior to the creation of this storage area were known by Paducah Gaseous Diffusion Plant Utilities Operations personnel. In 1994, this storage area was created when U.S. Department of Energy (DOE) material was moved from a Generator Staging Area located on an asphalt parking lot in front of C-611-U to this area during the transition of the enrichment operation from DOE to the United States Enrichment Corporation (USEC). The material in the storage area was covered by an open-sided, metal top shed. On December 31, 1996, the area was released and returned to DOE control as a DOE Material Storage Area (DMSA).

From March 2001 to March 2002, DOE characterized the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, which was later incorporated as Appendix E of the 2003 Agreed Order. The Final Inventory and Characterization Report (FI/CR) was submitted December 31, 2002, 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.

Resource Conservation and Recovery Act (RCRA) closure activities were performed as set forth in the *Closure Plan, Post-Closure, and Financial Requirements for SWMU 214 (DMSA OS-03), Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, BJC/PAD-393/R1. A RCRA Closure Certification Report was submitted to the KDWM in October 2006 and was approved by KDWM on February 13, 2007.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1994 to 2002

SITE/PROCESS DESCRIPTION: An outside DOE storage area located on a grass-covered gravel area near the east side of the C-611 Water Plant, within the Water Plant fenced area. The material in the storage area was covered by an open-sided, metal top shed, which was removed and transferred to USEC after the materials were characterized and removed.

WASTE DESCRIPTION: The SWMU is currently empty. The low-level waste inventory formerly

stored included drums of oily rags, trash, soil and debris, clean oil absorbent, water, paper, floor sweep, oil booms, pads, plastic drip collectors, an empty 500-gallon fuel tank, miscellaneous wooden items, plastic guardrails, and an electrical breaker contactor. The RCRA hazardous waste formerly stored included approximately 20 gallons of kerosene. A detailed description of the characterized waste formerly stored in the SWMU can be found in the Final Inventory and Characterization Report.

WASTE QUANTITY: currently 0 ft³ - 364.1 ft³ removed

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:	None known

DOCUMENTATION OF NO RELEASE: The *Closure Plan, Post-Closure, and Financial Requirements for SWMU 214 (DMSA OS-03), Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, BJC/PAD-393/R1 (November 2003), and the Closure Certification DMSA OS-03 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.

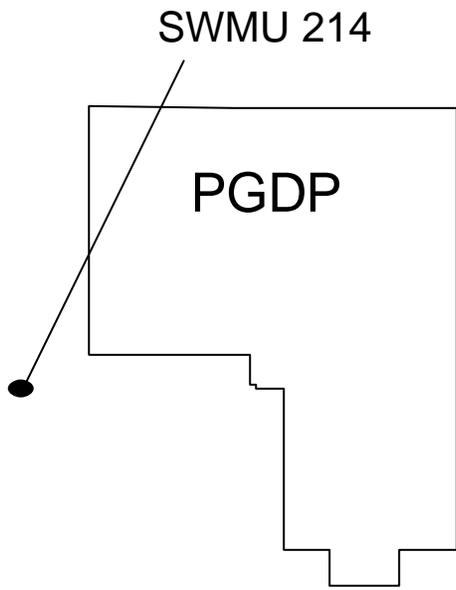
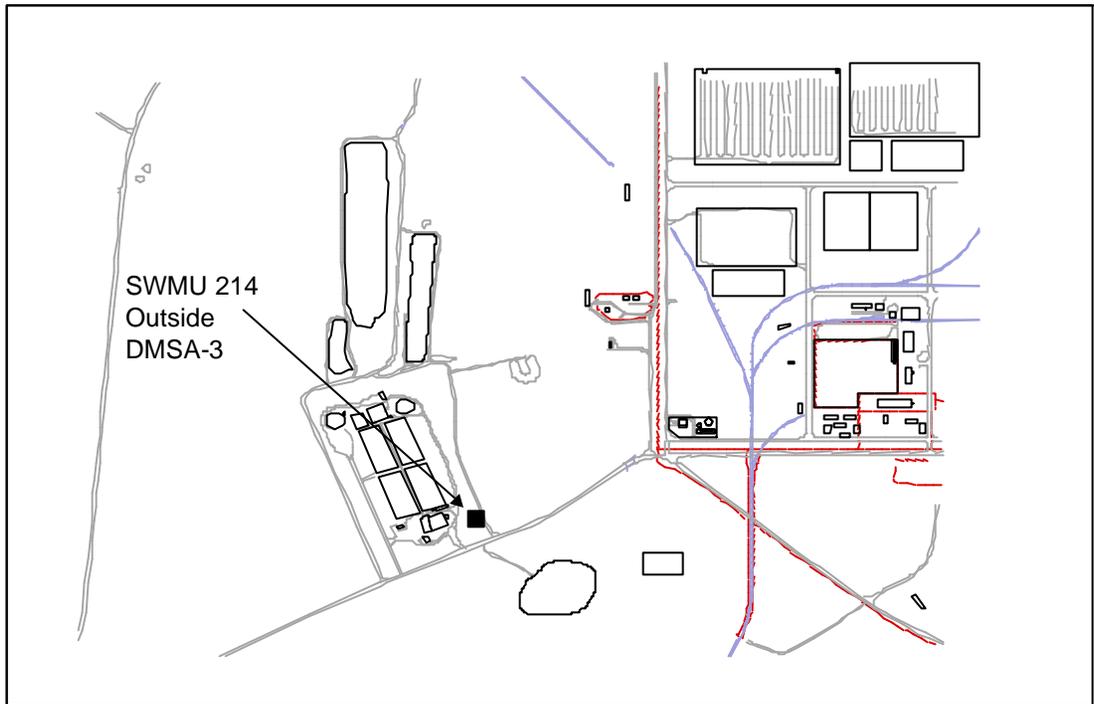
PRG COMPARISON: N/A

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: N/A



SWMU 214
DMSA OS-03
View Facing Northeast
December 10, 2007



Paducah Gaseous Diffusion Plant

Outside Areas - SWMU 214

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

PADUCAH
 Remediation Services
 A Portage Shaw Joint Venture Company

Figure No. OS-03-214
 Date 11-21-00