

DMSA OS-10
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 221

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/15/09

REGULATORY STATUS: SWMU

LOCATION: East of C-635 Recirculating Water (RCW) Pump House and borders on 11th Street.

APPROXIMATE DIMENSION OR CAPACITY: 750 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: The area originally was used to store large valves that had been removed from the RCW system in the late 1980s or early 1990s. The valves had been underground. There was also a large, empty, aboveground storage tank. This area was released by the United States Enrichment Corporation to DOE as a DOE Material Storage Area (DMSA) on December 31, 1996.

In 1997 or 1998, and again on February 12, 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 18, 2002, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on April 15, 2004. RCRA closure was not required for this SWMU, since no hazardous wastes were stored in this unit, per the 2003 Agreed Order.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: Approximately late 1980s or early 1990s to 1997 or 1998

SITE/PROCESS DESCRIPTION: An outside DOE storage area located within the security fence area.

WASTE DESCRIPTION: This SWMU currently is empty. The area formerly contained scrap metal and an empty sulfuric acid tank. A detailed description of the characterized waste can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 414 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: No documents were identified indicating a spill or release at this unit.

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

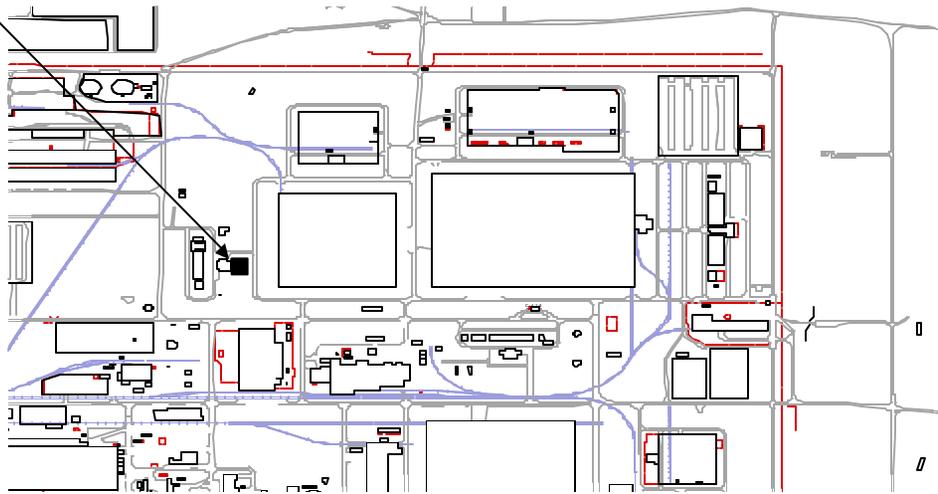
RFI NECESSARY: No. This unit is being proposed for no further action since it is no longer active, has no evidence of releases to the environment, and is not believed to pose a risk to human health or the environment.

OPERABLE UNIT ASSIGNMENT: Soils Operable Unit

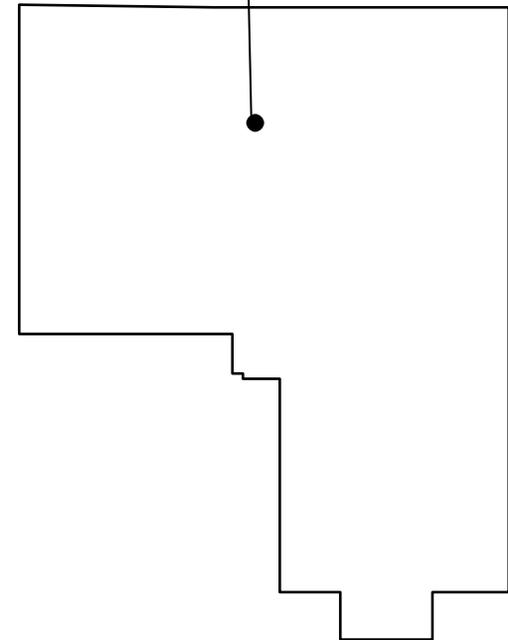


**SWMU 221
DMSA OS-10
August 26, 2008**

SWMU 221
Outside
DMSA-10



SWMU 221



Paducah Gaseous Diffusion Plant

Outside Areas - SWMU 221

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



Figure No. OS-10-221
Date 11-10-08