

DMSA OS-17
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 228

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/15/09

REGULATORY STATUS: SWMU

LOCATION: West of the C-747-B Storage Yard

APPROXIMATE DIMENSION OR CAPACITY: 10,800 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: The area was used for the storage of mobile industrial equipment, which originally was slated for auction. The equipment has remained in storage at this location since the termination of off-site property sales around 1985. This area was deleased by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA) on December 31, 1996.

From October 2003 to August 2004, 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. During the characterization process, size reduction of a large portion of the equipment was required. A Satellite Accumulation Area (SAA) was established at this DMSA for the temporary storage of Resource Conservation and Recovery Act (RCRA) wastes generated as a result of dismantlement/size reduction of the equipment in this DMSA. Another SAA was established at DMSA OS-12, since dismantlement/size reduction of some of the equipment from DMSA OS-17 also occurred in DMSA OS-12. The SAAs at DMSAs OS-17 and OS-12 were closed on August 12, 2004, when the RCRA wastes were transferred to a RCRA permitted facility. The *Final Inventory and Characterization Report (FI/CR)* was submitted September 10, 2004, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on July 28, 2005. 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: Unknown to 2007

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

WASTE DESCRIPTION: The SWMU currently is empty. The majority of the waste in this DMSA was used vehicle equipment such as forklifts, tow vehicles, and outdated fire trucks. Newly generated RCRA-regulated, hazardous/mixed waste included light bulbs,

fuses, battery cable connectors, waste oils, and antifreeze. The waste oils and antifreeze were generated during draining of the DMSA OS-17 equipment located at DMSA OS-12. The Toxic Substance and Control Act regulated waste formerly stored included two capacitors and numerous brake shoes and brake pads. Since the capacitors were radioactively contaminated, they also were classified as polychlorinated biphenyl/low-level waste (LLW). The brake shoes and brake pads removed from vehicles in OS-17 also were characterized and handled as asbestos-containing material (ACM). Since these items were radioactively contaminated, they were further classified as ACM/LLW. The LLW formerly stored consisted of the majority of the used equipment and vehicles. The solid waste formerly stored included wood, fiberglass, scrap metal, and some parts of the used equipment and vehicles generated during dismantlement such as tires, steering wheels, and cabs. Reusable material identified in this DMSA included two flatbed trailers and eight tires. A detailed description of the characterized waste can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 30,313 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

East to West View

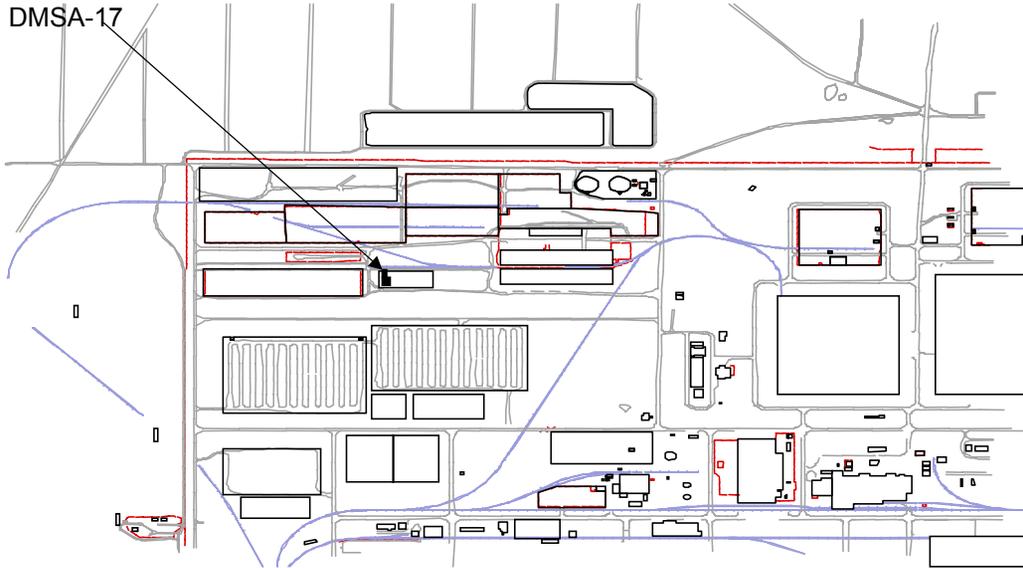


West to East View

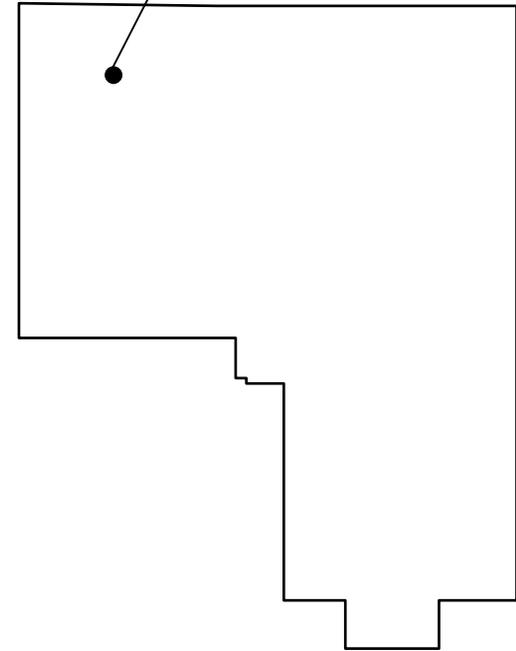


**SWMU 228
DMSA OS-17
August 2004**

SWMU 228
Outside
DMSA-17



SWMU 228



Paducah Gaseous Diffusion Plant

Outside Areas - SWMU 228

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



Figure No. OS-17-228
Date 11-10-08