

DMSA OS-18
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 229

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 5/28/03, 03/15/09

REGULATORY STATUS: SWMU

LOCATION: South of the C-746-P Regulated Scrap Yard.

APPROXIMATE DIMENSION OR CAPACITY: 48,000 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: This area originally was established soon after plant construction to store excess railroad supplies, parts, components, etc. Later it became an area to store various used equipment and excess materials. 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 March 2003 to September 2003, 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. A Satellite Accumulation Area (SAA) was established within the DMSA on April 17, 2003, and closed on August 12, 2003. The *Final Inventory and Characterization Report (FI/CR)* was submitted November 26, 2003, 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: Early 1950s to 2004

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

WASTE DESCRIPTION: The SWMU currently is empty. With the exception of the waste oil and low-level waste (LLW), all of the waste formerly stored in this DMSA was classified as solid waste, which included scrap metal, concrete, fire proof safes, portable work platform, empty trash cans, empty 55-gal drums, miscellaneous equipment and parts, road signs, manhole covers, scaffolding, railroad ties, fans, chain link fencing, two small metal buildings, and parts from railroad cars. Newly generated RCRA-mixed hazardous waste removed included the oil drained from a piece of equipment in the DMSA. The Toxic Substances Control Act-regulated asbestos-containing material formerly stored consisted of five fire proof safes, two pallets of floor tile, and a piece of

transite. The low-level waste formerly stored included a variety of used equipment. 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 16,659 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

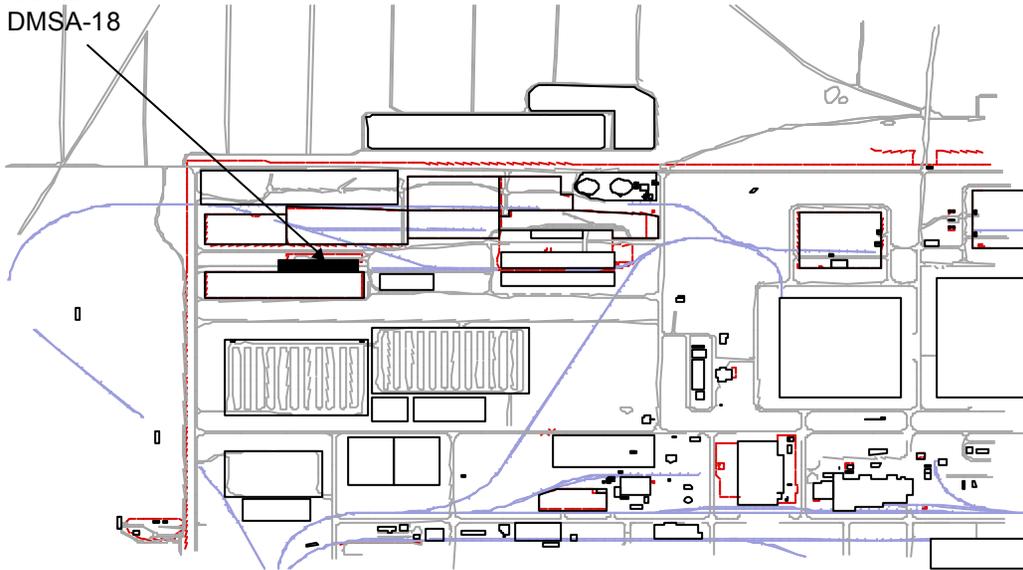
RFI NECESSARY: No. This unit is being proposed for no further action since it is no longer active, has no evidence of releases to the environment, and is not believed to pose a risk to human health or the environment.

OPERABLE UNIT ASSIGNMENT: Soils Operable Unit

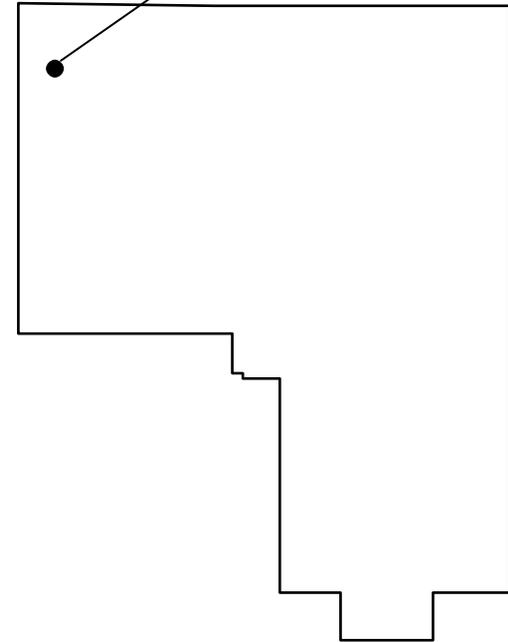


SWMU 229
DMSA OS-18 (Photo East looking West)
September 26, 2003

SWMU 229
Outside
DMSA-18



SWMU 229



Paducah Gaseous Diffusion Plant

Outside Areas - SWMU 229

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



Figure No. OS-18-229
Date 11-10-08