

DMSA C-331-14
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 248

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 07/25/02, 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Southeast quadrant of the C-331 Process Building between columns U25-28/W25-28.

APPROXIMATE DIMENSION OR CAPACITY: 2,720 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: Most of the storage areas in C-331 were created during the Rad Area Reduction Project, conducted from 1993-1995, in which the excess equipment and materials scattered throughout the building were consolidated into designated storage areas to provide additional non-rad floor space.

This area was released by the United States Enrichment Corporation (USEC) to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA) on December 31, 1996. In August 2001, DOE characterized 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 May 12, 2003, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on July 28, 2005.

Resource Conservation and Recovery Act 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: 1993 to 2008

SITE/PROCESS DESCRIPTION: An inside DOE storage area located at the southeast quadrant of the C-331 Process Building.

WASTE DESCRIPTION: This SWMU currently is empty. Newly generated RCRA regulated, hazardous/mixed waste removed included oil drained from a Honan oil filter/purifier. The Toxic Substances Control Act (TSCA) regulated waste formerly stored consisted of three radioactively contaminated asbestos containing materials. The low-level waste formerly stored consisted of process pipes, flanges, fittings, tools, wood and metal pallets, tubing, a piece of metal duct, metal shelving, paper filters, expansion joints, Freon condensers, a ventilation transition piece, metal baskets, wooden boxes, B-25 boxes containing miscellaneous pipe fittings, and an ammonia dissociator retort. A

14-inch G-17 block valve formerly stored in the DMSA was returned to USEC prior to the characterization program. Thirty-nine items (e.g., a water line coupling, G-17 valve seats and bodies, "000" compressor stubs, metal pallets, air conditioner parts, equipment sole plates, the Honan oil filter/purifier, a freezer sublimator vessel, an electrical control panel valve tester, transformers, and an expansion joint) formerly stored were categorized as reusable material. A detailed description of the characterization can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 4,414 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: None

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

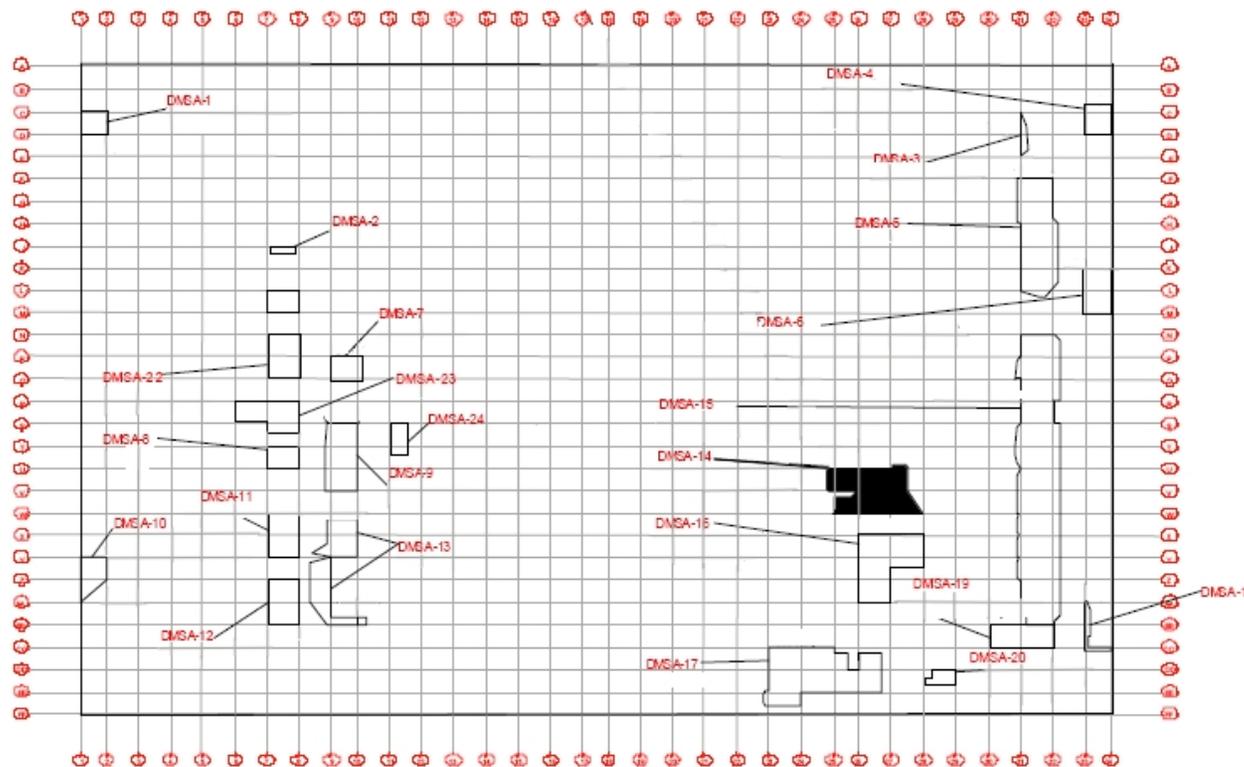
RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. This unit is being proposed for no further action since it no longer is active, has no evidence of releases to the environment, and is not believed to pose a risk to human health or the environment.

OPERABLE UNIT ASSIGNMENT: N/A

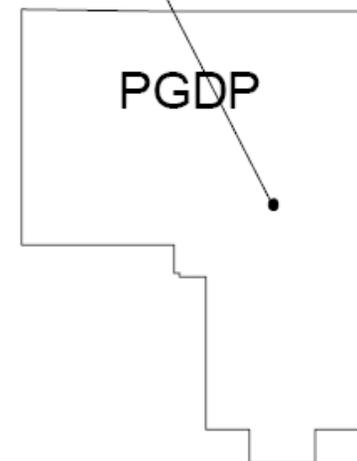


**SWMU 248
DMSA C-331-14
December 17, 2008**

SWMU 248



SWMU 248



Paducah Gaseous Diffusion Plant

LEGEND

OFFICIAL DOE DMSA PER 12/31/96 AGREEMENT BETWEEN DOE AND USEC



C-331 Ground Floor - SWMU 248

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

