

DMSA C-333-09
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 264

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 06/14/10

REGULATORY STATUS: SWMU

LOCATION: East half of the C-333 Process Building at columns Na32-33y/P32-33y.

APPROXIMATE DIMENSION OR CAPACITY: 970 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: The storage area was created 1987 as a supplemental waste storage area when the low-level waste (LLW) generation rate exceeded the capacity of existing LLW storage facilities. On December 31, 1996, this area was released by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA).

From July 2008 to April 2009, 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 28, 2009, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on July 6, 2009.

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: 1987 to 2009

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the southeast quadrant of the C-333 Process Building.

WASTE DESCRIPTION: This SWMU currently is empty. The Toxic Substances Control Act regulated asbestos-containing material formerly stored consisted of asbestos insulation and asbestos contaminated personal protective equipment. These waste items also were categorized as LLW due to radiological contamination. The LLW formerly stored consisted of wood pallets and containers of trash, chair pads, and process filters. Reusable material formerly stored included wood pallets. 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 472 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.

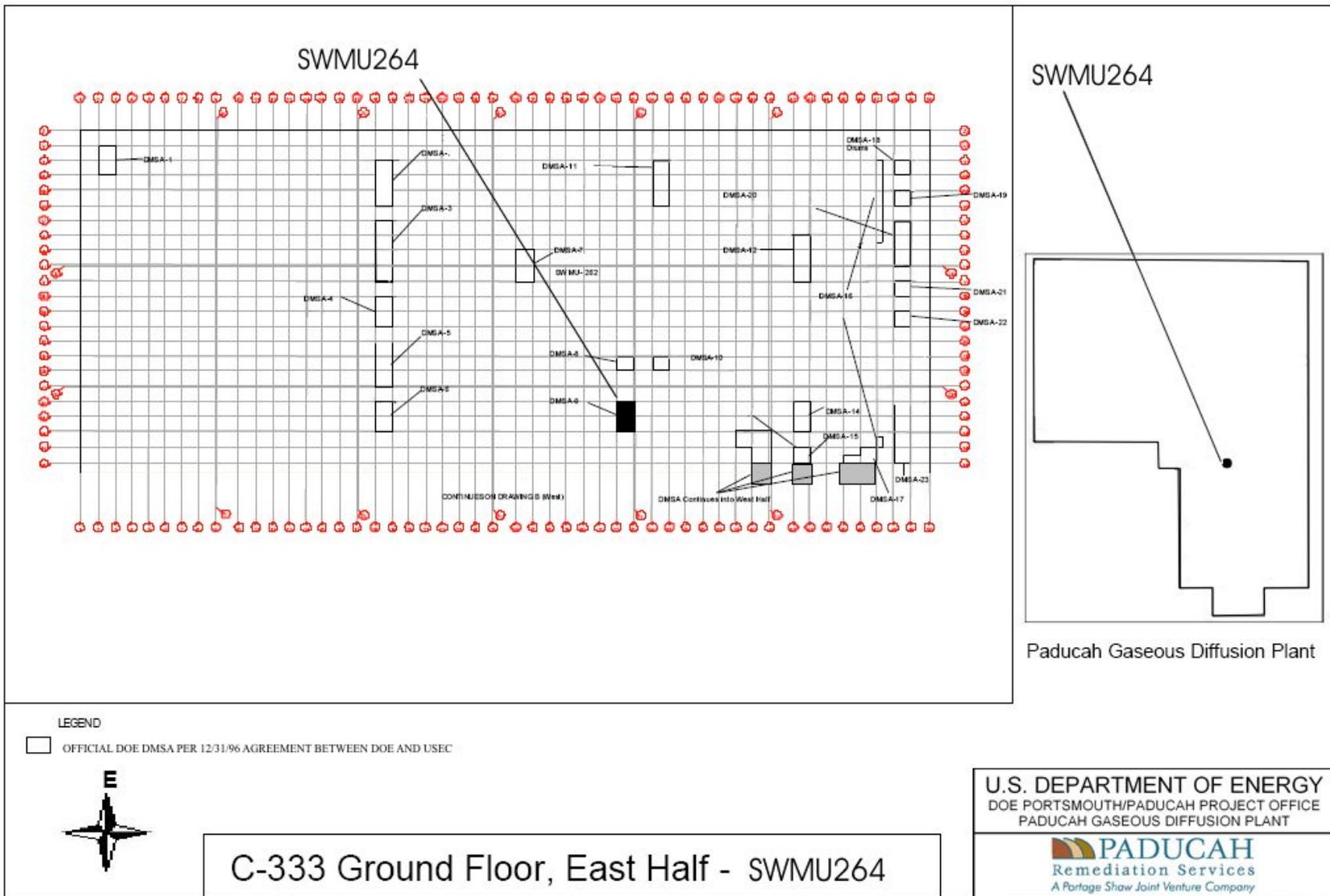
PRG COMPARISON: N/A

RFI NECESSARY: No. This SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this SWMU. This unit is being proposed for no further action because 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.

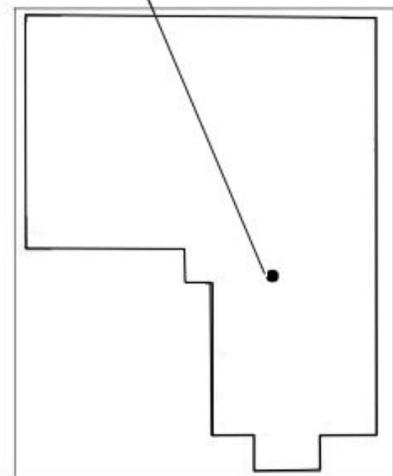
OPERABLE UNIT ASSIGNMENT: N/A



SWMU 264
DMSA C-333-09
April 2009



SWMU264



Paducah Gaseous Diffusion Plant

LEGEND

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



C-333 Ground Floor, East Half - SWMU264

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

