DMSA C-331-09
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 243

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 12/01/09

REGULATORY STATUS: SWMU

LOCATION: Southwest quadrant of the C-331 Process Building at columns S9/10 – V9/10.

APPROXIMATE DIMENSION OR CAPACITY: 1,200 ft^2

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. The objective of this project was to consolidate excess material and equipment scattered throughout the building to provide additional nonradiological floor space. The process equipment from the Oak Ridge Gaseous Diffusion Plant in Oak Ridge was stored at this location since at least 1976 based on personnel interviews.

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 June 2001 to September 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 February 19, 2004, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on April 15, 2004. This area was used as a staging area for other DMSA materials until 2007.

Resource Conservation and Recovery Act (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: 1976 to 2007

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the C-331 Process Building.

WASTE DESCRIPTION: The SWMU currently is empty. The low-level waste formerly stored consisted of twelve C-310 converters, converter saddles, blank flanges, converter internal components, and an ST-90 metal box containing miscellaneous items. Reusable material formerly stored included a JLG scissor lift, a grinder, and a converter cooler. A detailed description of the characterized waste can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft^3; waste quantity removed 2,285.75 ft^3; reusable materials removed 475.5 ft^3

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. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this DMSA. 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 243
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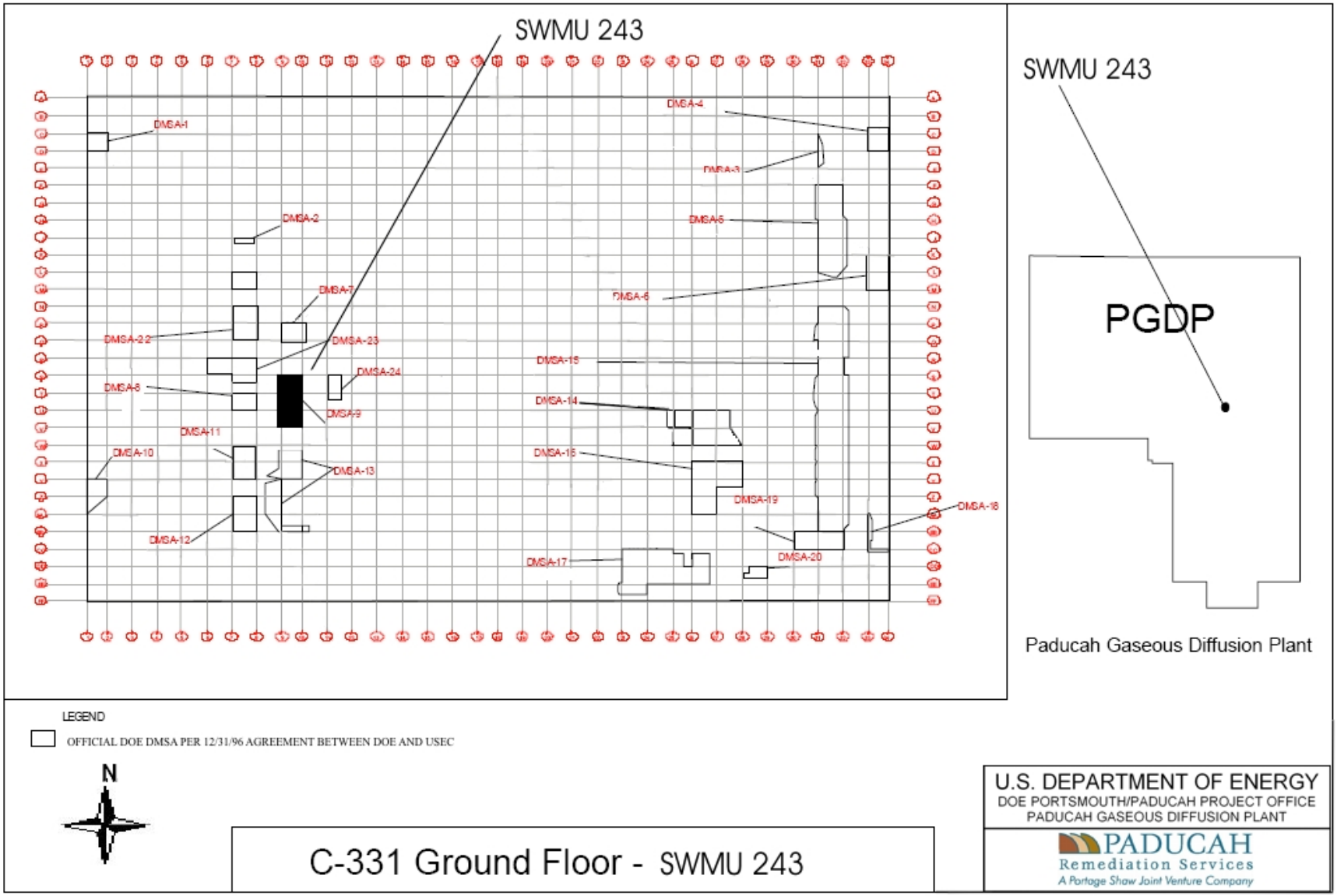
August 27, 2008


SWMU 243
DMSA-1
DMSA-2
DMSA-7
DMSA-22
DMSA-23
DMSA-24
DMSA-8
DMSA-9
DMSA-11
DMSA-10
DMSA-13
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DMSA-15
DMSA-14
DMSA-16
DMSA-19
DMSA-18
DMSA-17
DMSA-20
SWMU 243
PGDP
Paducah Gaseous Diffusion Plant
LEGEND
OFFICIAL DOE DMSA PER 12/31/96 AGREEMENT BETWEEN DOE AND USEC
N
C-331 Ground Floor - SWMU 243
U.S. DEPARTMENT OF ENERGY
DOE PORTSMOUTH/PADUCAH PROJECT OFFICE
PADUCAH GASEOUS DIFFUSION PLANT
PADUCAH
Remediation Services
A Portage Shaw Joint Venture Company