

DMSA C-333-29
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 285

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/01/10

REGULATORY STATUS: SWMU

LOCATION: Northwest quadrant of the C-333 Process Building between columns F24-25y/Ga24-25y.

APPROXIMATE DIMENSION OR CAPACITY: 920 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: In the late 1980s, the generation rate of low-level waste (LLW) exceeded the capacity of existing waste storage facilities, and areas in C-333 were established as supplemental waste storage areas. On December 31, 1996, 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).

From July 2008 through April 2009, DOE characterized the 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 June 11, 2009, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on August 17, 2009.

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: 1987 to 2009

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

WASTE DESCRIPTION: This SWMU currently is empty. The Toxic Substances and Control Act regulated waste formerly stored consisted of containerized asbestos insulation. This waste was also categorized as asbestos-containing material (ACM) and as LLW due to radiological contamination. The LLW formerly stored included trash, asbestos insulation (also categorized as ACM), floor sweep, mop heads, zorball, dirt, soil/rock/gravel/sand, process filters, miscellaneous paper/plastic/rags, and wood pallets. Solid waste formerly stored included one container of sludge. Reusable material formerly stored included wood pallets. A detailed description of the characterized waste can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 710 ft³

SUMMARY OF ENVIRONMENTAL SAMPLING DATA: No sampling of environmental media has occurred.

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: A polychlorinated biphenyl compound spill was documented in this area on February 14, 1992. The spill was cleaned and considered closed on April 29, 1992 in accordance with TSCA requirements in effect at that time. There was no release to the environment.

GROUNDWATER:	None Known
SURFACE WATER:	None Known
SOIL:	None Known
ECOLOGY AFFECTED: (i.e., threatened/endangered species):	None Known

DOCUMENTATION OF NO RELEASE: See description of release and media affected above.

IMPACT ON OR BY OTHER SWMU/AOC: There is no evidence that this SWMU impacts or is being impacted by other SWMUs.

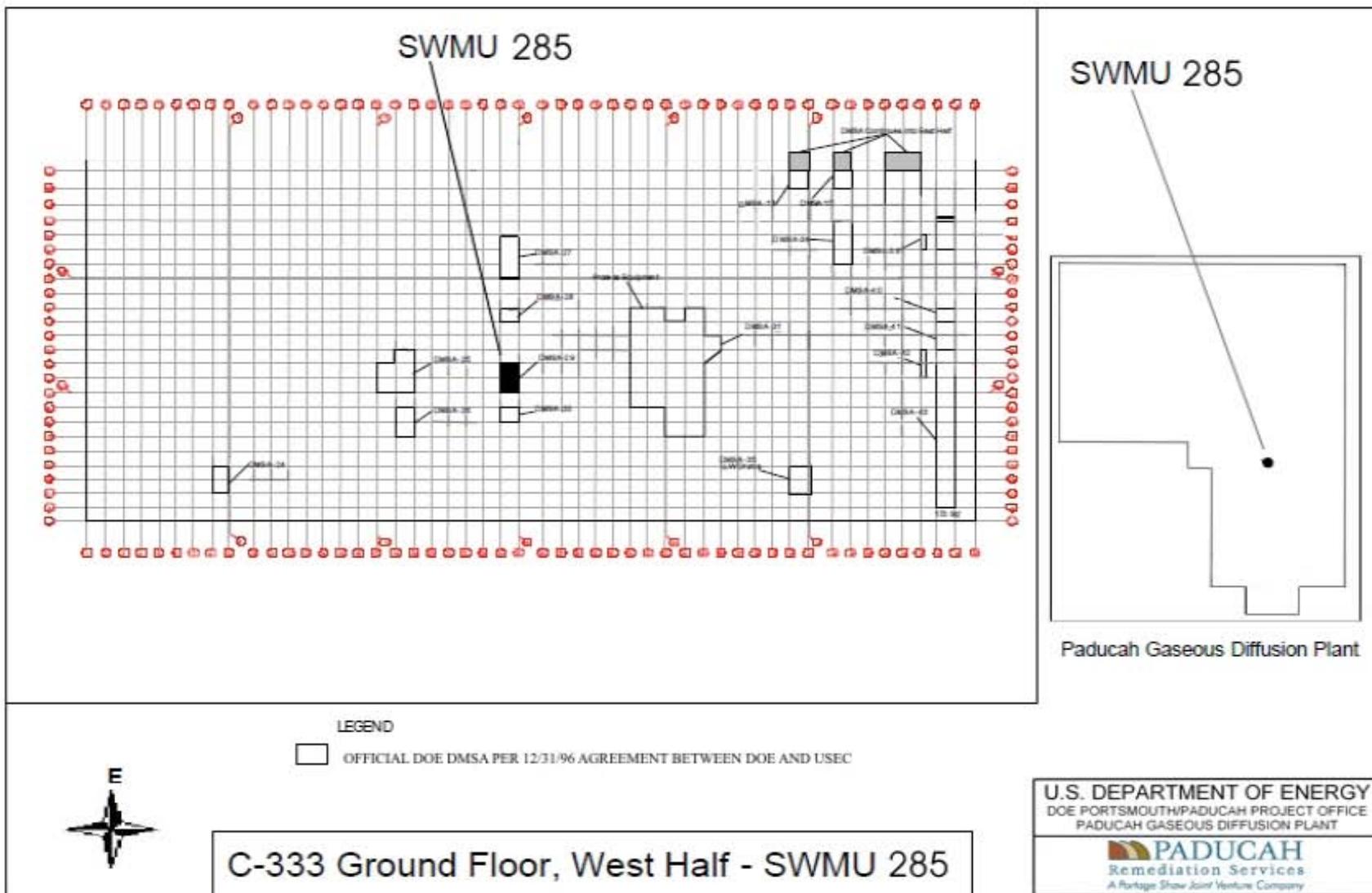
PRG COMPARISON: N/A

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

OPERABLE UNIT ASSIGNMENT: N/A



**SWMU 285
DMSA C-333-29
2009**



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



C-333 Ground Floor, West Half - SWMU 285

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

PADUCAH
Remediation Services
A Paragon Shaw Joint Venture Company