

DMSA C-333-23
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 279

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 12/01/09

REGULATORY STATUS: SWMU

LOCATION: Near the south wall of the C-333 Process Building between columns Mc48-49/P48-49.

APPROXIMATE DIMENSION OR CAPACITY: 1,912 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: Most of the storage areas in C-333 were created in 1995 during the Rad Area Reduction Project. The objective of this project was to consolidate excess materials and equipment scattered throughout the building to provide additional nonradiological floor space.

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) on December 31, 1996. From June 2002 to January 2007, 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 April 2, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on June 5, 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. A recirculating cooling water (RCW) coupon testing unit and the attached RCW pumping unit are considered fixed equipment and will be removed with the decontamination and decommissioning (D&D) of the C-333 Process Building.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1995 to 2007

SITE/PROCESS DESCRIPTION: An inside DOE storage area located near the south wall of the C-333 Process Building.

WASTE DESCRIPTION: The SWMU currently is empty except for the fixed equipment (i.e., the RCW coupon testing unit and the attached RCW pumping unit) that will be removed with the D&D of this building. Newly generated RCRA mixed hazardous waste formerly stored included light bulbs, fuses, circuit boards, batteries, vacuum tubes, resistors, lead capacitors, and waste oil. The Toxic Substances and Control Act (TSCA) polychlorinated biphenyl (PCB)/low-level waste (LLW) formerly stored consisted of small capacitors, cables, a transformer, and a

condenser. The TSCA PCB contaminated item and nonleachable PCB bulk product waste formerly stored included a pipe threader and a hose reel with hose. The LLW formerly stored consisted of pieces of process equipment such as freezer sublimator panels, boxes of condenser tubes, transformer exhaust fans, valves, and exhaust ducts; other types of equipment such as dumpsters, carts, desks, ladders, and welders; and miscellaneous items such as scrap metal, plastic, and wood items. Solid waste formerly stored included cable carts, an electrical welder, an empty manometer and condenser test stand, and wood ventilation covers. Reusable material identified in this DMSA consisted of two carts with cable, sections of lockers, and a metal rack. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

WASTE QUANTITY: Currently about 260 ft³ for D&D; waste quantity removed 6,765 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/endorsed 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.

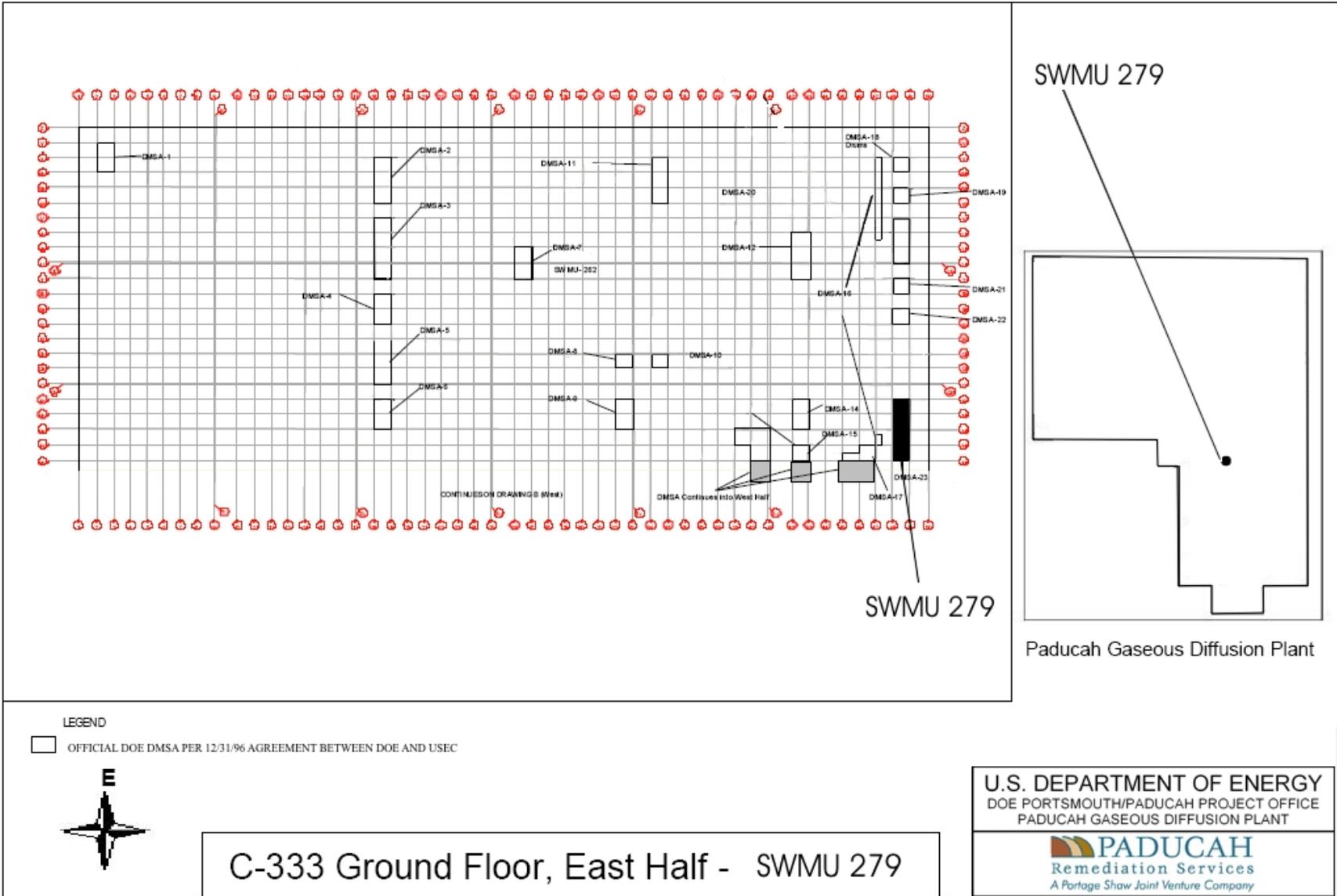
PRG COMPARISON: N/A

RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this SWMU. 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 279
DMSA C-333-23
Showing the RCW Coupon Testing Unit and the attached RCW Pumping Unit
February 20, 2007**



LEGEND

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



C-333 Ground Floor, East Half - SWMU 279

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

