

DMSA C-337-30
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 333

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Between columns Mb/N-44/47 in the C-337 Process Building.

APPROXIMATE DIMENSION OR CAPACITY: 2,780 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: In the late 1980s the generation rate of polychlorinated biphenyl (PCB)/low-level waste (LLW) exceeded the capacity of existing waste storage facilities. Locations in C-337 Process Building were established as supplemental waste storage areas. The storage 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 August 2001 to May 2002, DOE conducted characterization of the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, which was incorporated as Appendix E of the 2003 Agreed Order. Characterization activities included the use of process knowledge, analytical data, and/or radiological data. The Final Inventory and Characterization Report (FI/CR) was submitted on September 16, 2002, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on April 15, 2004. Resource Conservation and Recovery Act (RCRA) closure was not required for this SWMU, since no hazardous wastes were discovered in this unit, per the 2003 Agreed Order.

PRESENT OPERATIONAL STATUS: Inactive.

DATES OPERATED: 1987 to 2008

SITE/PROCESS DESCRIPTION: A DOE storage area located inside the C-337 Process Building.

WASTE DESCRIPTION: The SWMU currently is empty. Newly generated RCRA mixed hazardous waste included several light bulbs and a circuit board. The Toxic Substances Control Act (TSCA) regulated waste formerly stored included several pieces of electrical cable. Several asbestos-containing materials formerly stored included asbestos wiring, fittings, and associated trash. Reusable material identified included 24 drums of UF₄. All of the materials in this DMSA (with the exception of the UF₄ drums) was classified LLW. A detailed description of the characterized waste can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 2,328 ft³

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

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: PCB spills to the concrete floor were documented in this area on July 3, 1991; September 18, 1991 (3 spills); and October 3, 1991. The spills were cleaned and considered closed on July 4, 1991; October 3, 1991 (3 spills); and October 4, 1992, respectively, in accordance with TSCA requirements. 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.

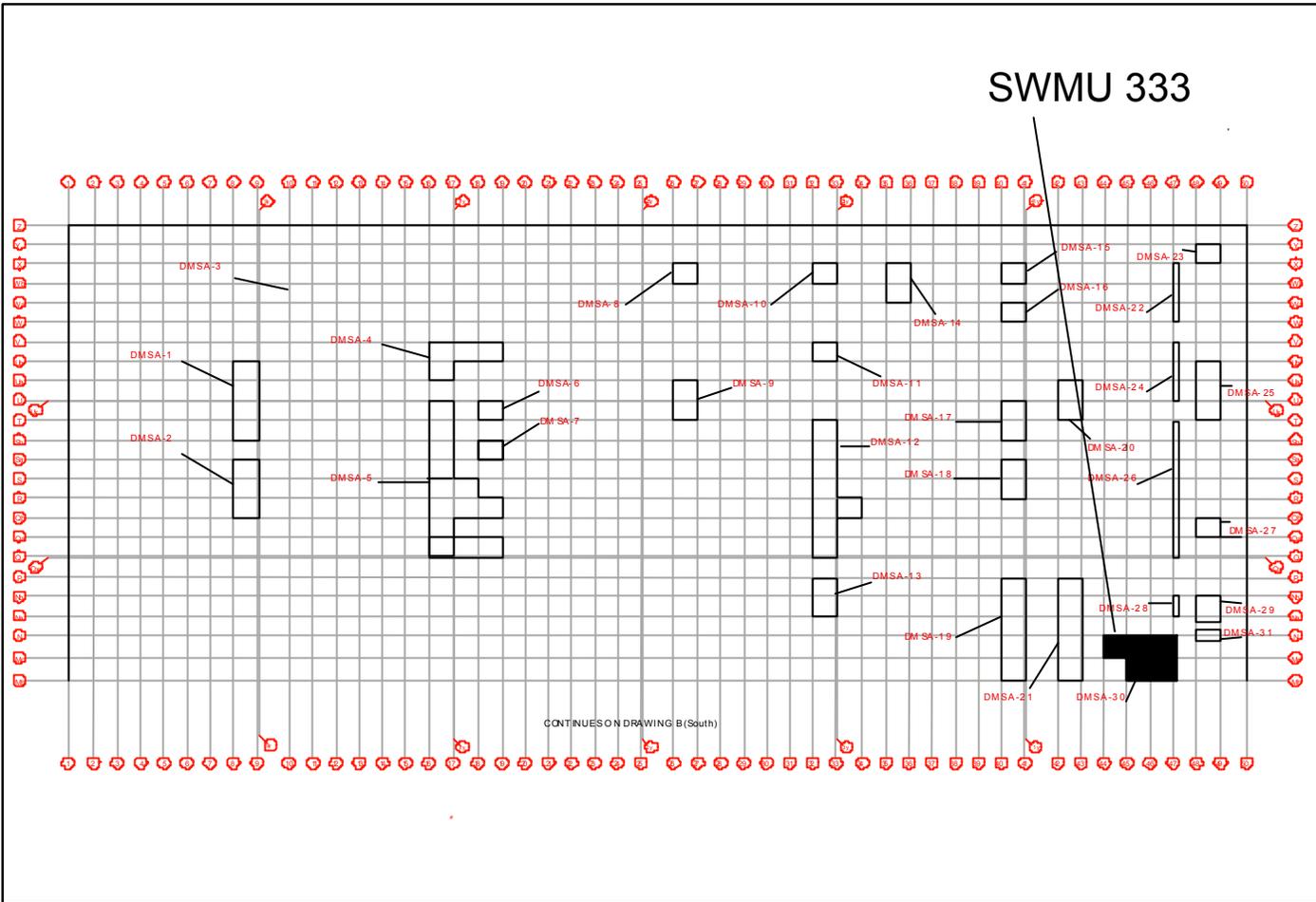
PRG COMPARISON: N/A

RFI NECESSARY: No. The SWMU is located in an active 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.

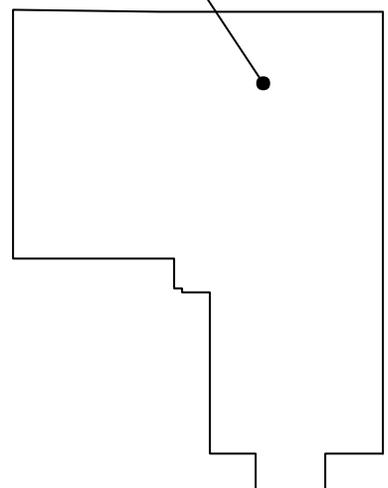
OPERABLE UNIT ASSIGNMENT: N/A



**SWMU 333
DMSA C-337-30
March 13, 2009**



SWMU 333



Paducah Gaseous Diffusion Plant

LEGEND

 OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-337 Ground Floor, North Half- SWMU 333

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



Figure No. C-337-30-333
Date 11-21-00