

DMSA C-337-38
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 341

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/19/09

REGULATORY STATUS: SWMU

LOCATION: In the C-337 Process Building between columns H40-41/Ja40-41.

APPROXIMATE DIMENSION OR CAPACITY: 975 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 Toxic Substances Control Act (TSCA) storage facilities. As such, locations in C-337 were established as supplemental waste storage areas. This area was deeded 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. The PCB waste was removed from this area prior to February 2001.

In May 2007, DOE undertook an effort to characterize materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, which was incorporated as Appendix E of the 2003 Agreed Order. The DMSA was utilized as a temporary staging area for materials from various DMSAs until February 2006 and was verified as empty in May 2007. Subsequent to an underground water line break that occurred in April 2007, DMSA field personnel inspected this DMSA in June 2007, and verified that the DMSA contained no wastes/materials. The Final Inventory and Characterization Report (FI/CR) was submitted on August 27, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on October 5, 2007. Resource Conservation and Recovery Act 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 2007

SITE/PROCESS DESCRIPTION: An inside storage area located in C-337 Process Building.

WASTE DESCRIPTION: The SWMU currently is empty.

WASTE QUANTITY: 0 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 February 3, 1992; February 28, 1992; March 3, 1992; and March 5, 1992. The spills were cleaned and considered closed on February 12, 1992; March 4, 1992; March 4, 1992; and March 5, 1992, respectively, in accordance with TSCA requirements in effect at that time. There was no release to the environment. An oil stain was found in the DMSA in 2007 (see photograph) and determined to be from a lube oil (non-PCB) system located on the cell floor above the SWMU.

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. 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.

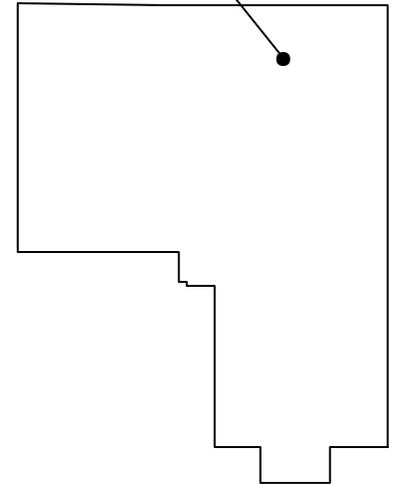
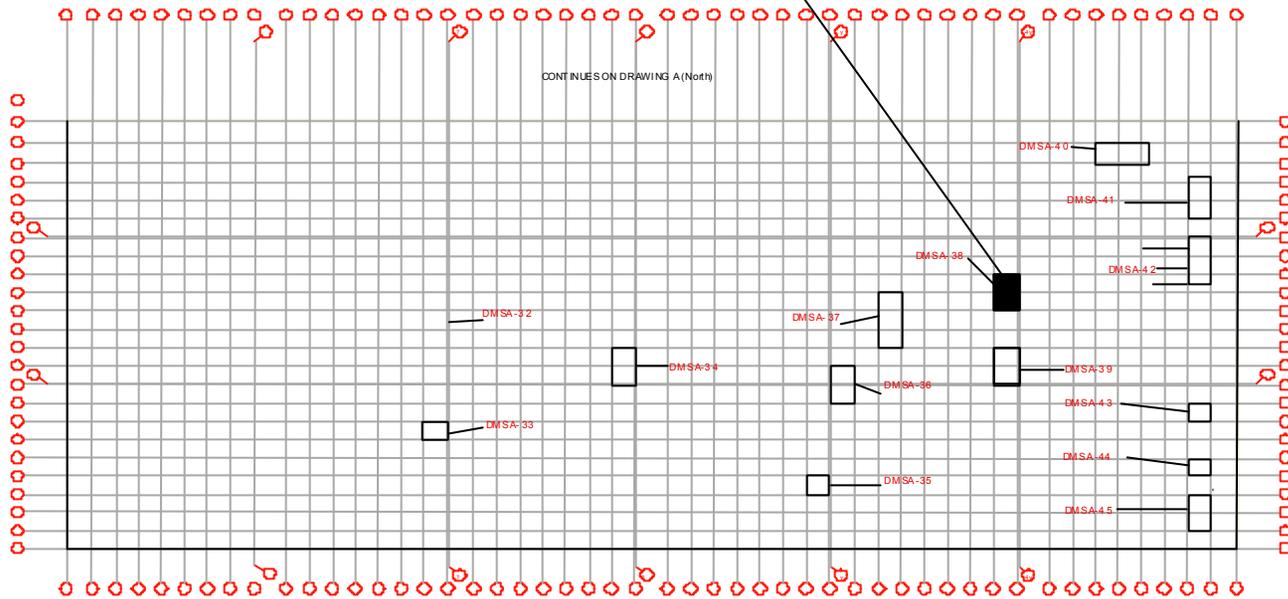
OPERABLE UNIT ASSIGNMENT: N/A



**SWMU 341
DMSA C-337-38
June 25, 2007**

SWMU 341

SWMU 341



Paducah Gaseous Diffusion Plant

LEGEND

 OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-337 Ground Floor, South Half- SWMU 341

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



Figure No. C-337-38-341
Date 11-21-00