

DMSA C-337-15
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 322

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/19/09

REGULATORY STATUS: SWMU

LOCATION: Northeast quadrant of the C-337 Process Building between columns Wb40-41y/X40-41y.

APPROXIMATE DIMENSION OR CAPACITY: 486 ft²

FUNCTION: used as a storage area for Toxic Substances Control Act (TSCA) regulated polychlorinated biphenyl (PCB)/low-level waste (LLW).

BRIEF HISTORY: The storage area was created in the late 1980s or early 1990s as a supplemental waste storage area when the PCB/LLW generation rate exceeded the capacity of existing TSCA storage facilities. Prior to storage, the waste generator submitted a Request for Disposal (RFD) to Waste Operations identifying the waste and documenting the available waste characterization information. Waste Operations verified the drums were adequately characterized for storage purposes and managed the waste in this DMSA/storage area in accordance with regulatory requirements and approved plant procedures. The waste management coordinator reviewed the waste generators RFD documentation and determined if the waste met the acceptance criteria established in applicable plant procedures. Drums then were accepted and transferred to the waste storage area.

The storage area was deleased by the United States Enrichment Corporation (USEC) to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA) on December 31, 1996. In December 2007, DOE conducted characterization/remediation 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 February 21, 2008, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on March 25, 2008. Resource Conservation and Recovery Act closure was not required for this SWMU.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: Late 1980s or early 1990s to 2008

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the C-337 process building.

WASTE DESCRIPTION: The SWMU currently is empty. The TSCA regulated waste formerly stored included ditch sediments, concrete, gravel, and rock and soil. The LLW waste consisted of wood pallets and secondary containment materials. Reusable material identified in this DMSA 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 1,003 ft³

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

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: A PCB spill to the concrete floor was documented in this area on October 4, 1991. The spill was cleaned and considered closed on October 6, 1991, 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. 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

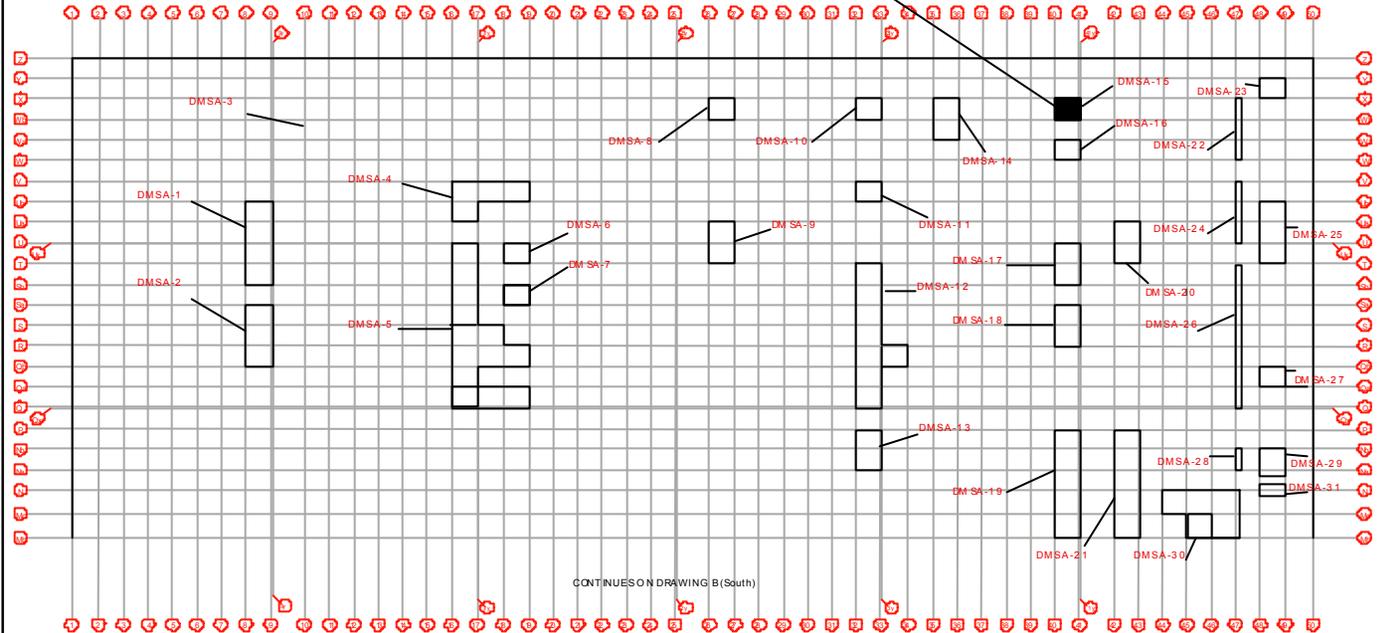


DMSA C-337-15
February 2002



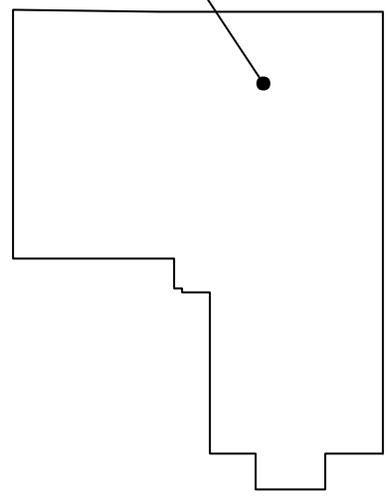
DMSA C-337-15
February 2008

SWMU 322



CONTINUES ON DRAWING B (South)

SWMU 322



Paducah Gaseous Diffusion Plant

LEGEND

 OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-337 Ground Floor, North Half- SWMU 322

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



Figure No. C-337-15-322
Date 11-21-00