DMSA C-337-11
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 318

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/01/09

REGULATORY STATUS: SWMU

LOCATION: Northeast quadrant of the C-337 Process Building between columns Ub32-33y/V32-33y

APPROXIMATE DIMENSION OR CAPACITY: 460 ft^2

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: The storage area was created in the 1980s as a supplemental waste storage area when the generation rate of PCB/LLW exceeded the capacity of existing Toxic Substances and Control Act (TSCA) storage facilities. 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) on December 31, 1996.

From November 2007 to July 2008, 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 September 24, 2008, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on October 30, 2008.

Resource Conservation and Recovery Act 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: 1983 to 2008

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

WASTE DESCRIPTION: This SWMU currently is empty. The TSCA-regulated PCB/LLW formerly stored, consisting of sewage sludge, cast iron pipe, concrete, and fill rock and soil, was packaged in 55-gal drums that were over-packed into 85-gal containers. The LLW formerly stored included wood pallets and secondary containment materials (i.e., Hypalon, polyvinyl chloride diking, and plywood). A detailed description of the characterization can be found in the FI/CR.

WASTE QUANTITY: Currently - 0 ft^3; Removed – 1,059 ft^3

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/endangered species)**:**	None Known

DOCUMENTATION OF NO RELEASE: None

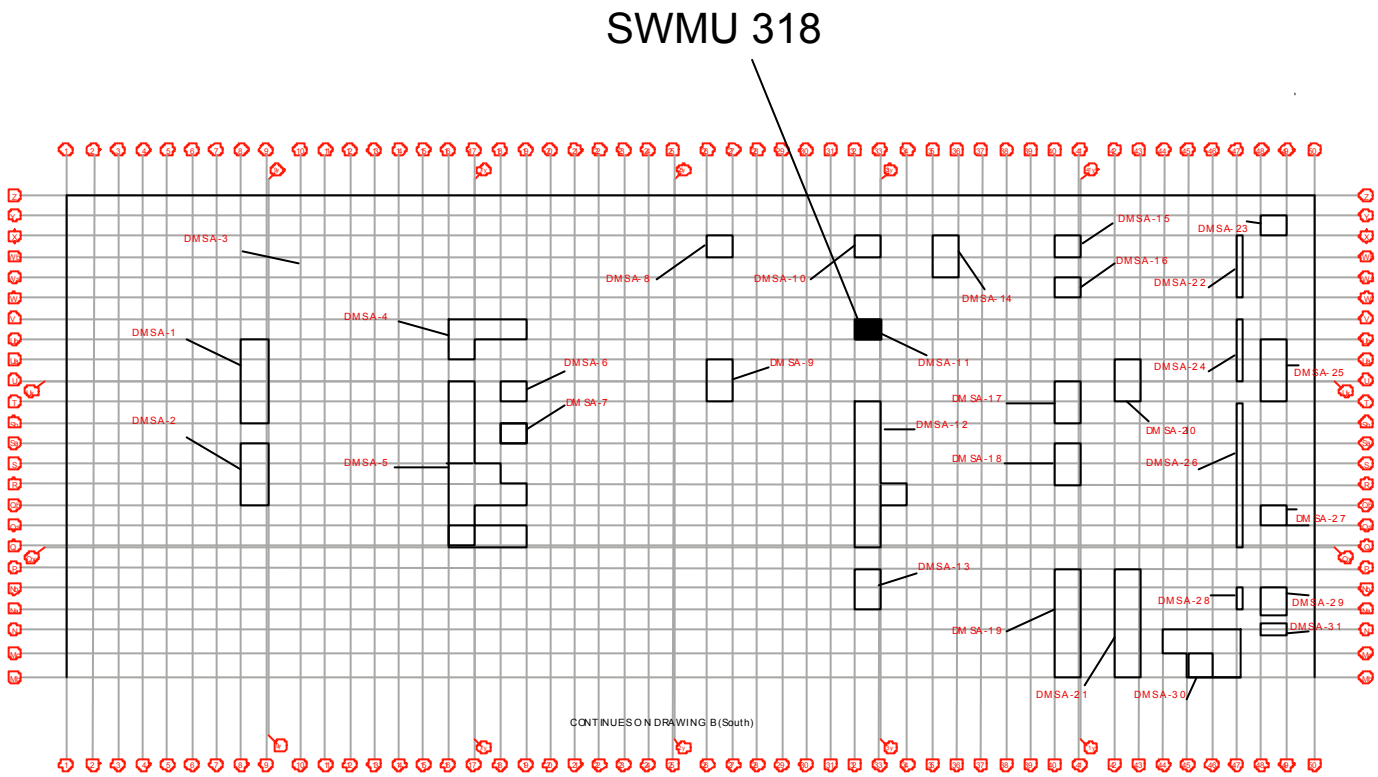
IMPACT ON OR BY OTHER SWMU/AOC: There is no evidence that this SWMU impacts or is being impacted by other SWMUs.

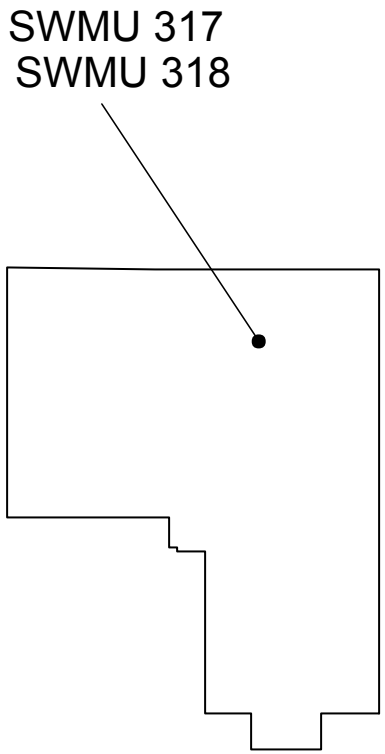
PRG COMPARISON: N/A

RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. 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 318
DMSA C-337-11
September, 2008





Paducah Gaseous Diffusion Plant

Paducah Gaseous Diffusion Plant

LEGEND

OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC

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C-337 Ground Floor, North Half- SWMU 318

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

PADUCAH Remediation Services
A Portage Shaw Joint Venture Company

Figure No. C-337-11-318
Date 11-21-00