

DMSA C-337-20
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 327

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 06/14/10

REGULATORY STATUS: SWMU

LOCATION: Northeast quadrant of the C-337 process building between columns T42-43/Ua42-43.

APPROXIMATE DIMENSION OR CAPACITY: 1,460 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: The storage area was created in 1987 or early 1990s as a supplemental waste storage area when the generation rate of polychlorinated biphenyl (PCB)/low-level waste (LLW) exceeded the capacity of existing Toxic Substances Control Act (TSCA) storage facilities. On December 31, 1996, 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).

From May 2008 to March 2009, 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 24, 2009, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on July 6, 2009.

Resource Conservation and Recovery Act (RCRA) closure activities were performed as set forth in the *Agreed Order Closure Plan for the DOE Material Storage Areas at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, BJC/PAD-720/R3, submitted to KDWM on December 22, 2005, and approved on April 14, 2006. The *Notification of Intent to Proceed with Closure* for this SWMU was submitted to KDWM on June 30, 2009 and approved on December 15, 2009. The Final Closure Certification was submitted to KDWM on February 1, 2010 for approval.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1987 to 2009

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. Newly discovered RCRA regulated hazardous/mixed waste formerly stored consisted of a light bulb and a fuse. Since the RCRA hazardous wastes were radiologically contaminated and were removed from PCB waste, they also were categorized as RCRA mixed/PCB/LLW. The TSCA regulated PCB/LLW formerly stored included wire, terminal connectors, transite, scrap metal, PPE, plastic, rags, and filters,

which also were classified as asbestos-containing material. The LLW formerly stored consisted of wood pallets and secondary containment materials (i.e., Hypalon, polyvinyl chloride pipe/diking, and plywood). Solid waste formerly stored included clothing lockers. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 2,133 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/endangered species):	None Known

DOCUMENTATION OF NO RELEASE: The *Notification of Intent to Proceed with Closure*, submitted on June 30, 2009, and the Final Closure Certification submitted on February 1, 2010 documents that no signs of spill or release were found. There have been no known spills or releases of materials from this SWMU to the environment.

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

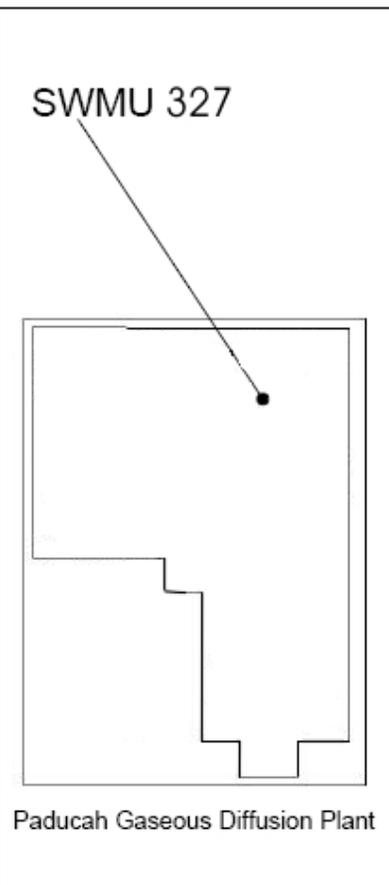
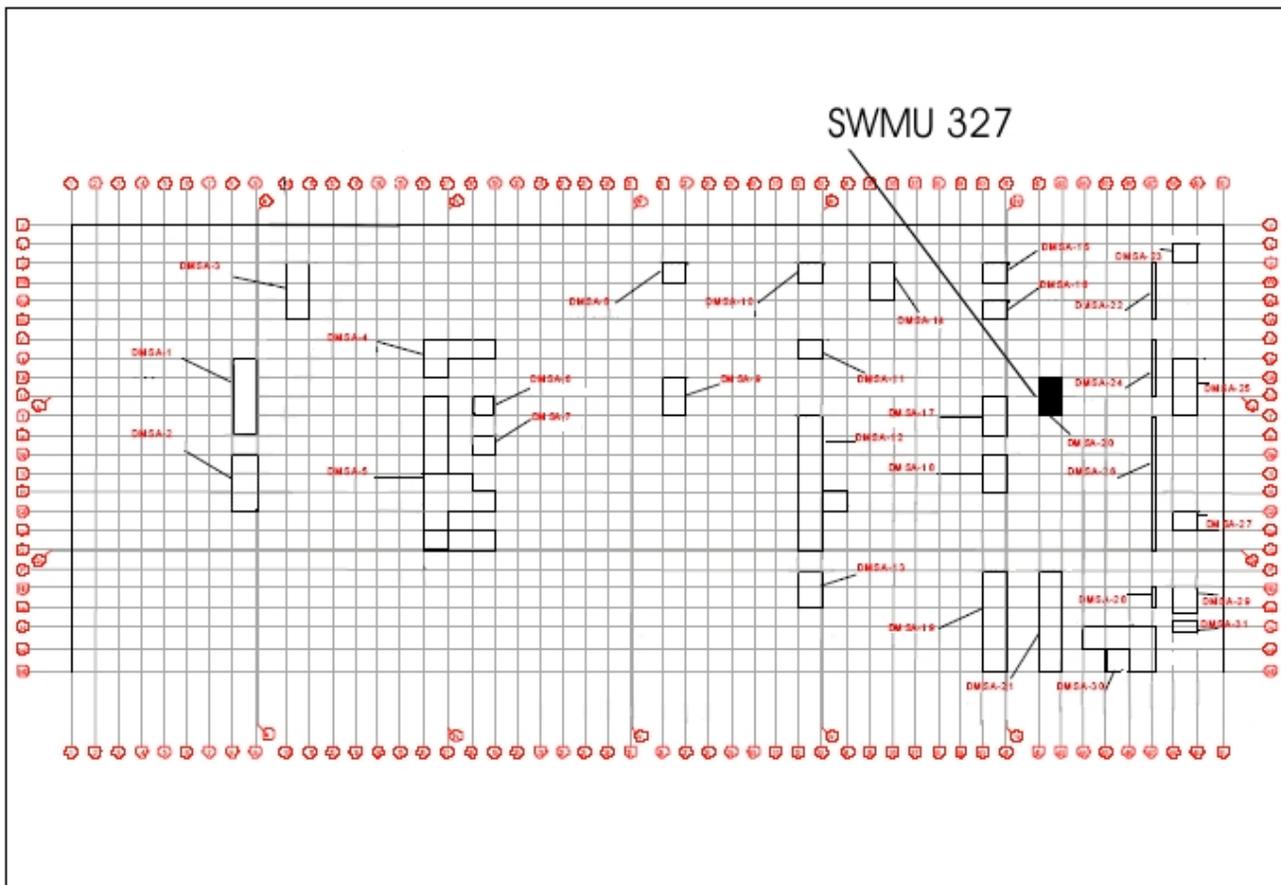
PRG COMPARISON: N/A

RFI NECESSARY: No. This 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 because 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 327
DMSA C-337-20
March 13, 2009**



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



C-337 Ground Floor, North Half- SWMU 327

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

PADUCAH
Remediation Services
A Fortage Shaw Joint Venture Company