

DMSA C-337-40
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 343

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/01/10

REGULATORY STATUS: SWMU

LOCATION: Southeast quadrant of the C-337 Process Building between columns M44-46/Ma44-46.

APPROXIMATE DIMENSION OR CAPACITY: 1,250 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: This supplemental waste storage area was established in 1983 when the generation rate of polychlorinated biphenyl (PCB)/low-level waste (LLW) exceeded the capacity of existing Toxic Substances Control Act (TSCA) waste storage facilities. On December 31, 1996, this area was released by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA).

From April 2008 to August 2009, DOE characterized the 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 25, 2009, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on November 5, 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*, approved on April 14, 2006. The *Notification of Intent to Proceed with Closure* for this SWMU was submitted on December 8, 2009, for KDWM approval.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1983 to 2009

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the southeast 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 light bulb ends, light starters, aerosol can, and one container of rags, Tyveks, and plastic. These waste items also were categorized as PCB waste. The TSCA regulated PCB/LLW formerly stored consisted of autoclave waste [metal, pipe, valves, hoses, personal protective equipment (PPE)], absorbent materials (zorbball, pigs, pads, floor sweep), lab waste, wood pallets/cleanup debris, concrete/soil, miscellaneous

paper/plastic/glass, transformers, light ballasts, and small capacitors. Two containers of electrical wire formerly stored were categorized not only as PCB/LLW, but also as TSCA regulated asbestos-containing material. The LLW formerly stored included wood pallets and secondary containment materials (i.e., Hypalon, polyvinyl chloride pipe/diking, and plywood). A detailed description of the characterized waste can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 2,685 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 to KDWM on December 8, 2009, documents that no signs of spills or releases 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 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



View 1



View 2

**SWMU 343
DMSA C-337-40
2009**

