

DMSA C-337-04
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 311

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/01/10

REGULATORY STATUS: SWMU

LOCATION: Northwest quadrant of the C-337 Process Building between columns Ua16-17y/V16-17y.

APPROXIMATE DIMENSION OR CAPACITY: 1,901 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: This storage area was created in the late 1980s 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 released by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA).

From January 2008 to March 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 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*, approved on April 14, 2006. The *Notification of Intent to Proceed with Closure* for this SWMU was submitted for KDWM approval on June 30, 2009.

OPERATIONAL STATUS: Inactive

DATES OPERATED: 1987 to 2009

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the southeast quadrant of the C-333 Process Building.

WASTE DESCRIPTION: This SWMU currently is empty. Newly discovered RCRA regulated hazardous/waste formerly stored included aerosol cans, light bulbs and starters, a light bulb end, and a tube of polyvinyl chloride (PVC) glue. Since the RCRA 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 consisted of sewage sludge, ditch sediments, gravel, concrete, fill rock and soil, cast iron drain pipe, empty containers, floor

sweep, mops, and cleanup debris such as pigs, pads, pillows, rags, plastic, zorball, and gloves. The LLW formerly stored consisted of wood pallets and secondary containment materials (i.e., Hypalon, PVC pipe/diking, and plywood). Reusable materials identified in the SWMU were wood pallets. A detailed description of the characterized waste can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 3,733 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 for KDWM approval on June 30, 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 DMSA. The unit is being proposed for no further action since it no longer is active, has no evidence of a release to the environment, and is not believed to pose a risk to human health or the environment.

OPERABLE UNIT ASSIGNMENT: N/A



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