

**DMSA C-333-30**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 286

**DATE OF ORIGINAL SAR:** 12/01/00

**DATE OF SAR REVISIONS:** 03/01/10

**REGULATORY STATUS:** SWMU

**LOCATION:** West side of the C-333 Process Building between columns Ea24-25y/Eb24-25y.

**APPROXIMATE DIMENSION OR CAPACITY:** 460 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials.

**BRIEF HISTORY:** In the late 1980s, the generation rate of low-level waste (LLW) exceeded the capacity of existing waste storage facilities, and areas in C-333 were established as supplemental waste storage areas. 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 July 2008 through July 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 3, 2009, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on November 5, 2009.

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:** 1987 to 2009

**SITE/PROCESS DESCRIPTION:** An inside DOE storage area located on the west side of the C-333 Process Building.

**WASTE DESCRIPTION:** This SWMU currently is empty. The LLW formerly stored consisted of wood pallets and containers of slag, graphite, magnesium oxide, and casting facility waste. A detailed description of the characterized waste can be found in the FI/CR.

**WASTE QUANTITY:** Currently 0 ft<sup>3</sup>; waste quantity removed 370 ft<sup>3</sup>

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

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:** A polychlorinated biphenyl spill from a light ballast was documented in this area on February 14, 1992. The spill was cleaned on April 29, 1992 in accordance with Toxic Substances Control Act requirements in effect at that time. There was no release to the environment.

<b>GROUNDWATER:</b>	None Known
<b>SURFACE WATER:</b>	None Known
<b>SOIL:</b>	None Known
<b>ECOLOGY AFFECTED:</b> (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. 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



View 1



View 2

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