

**DMSA C-333-22**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 278

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

**DATE OF SAR REVISIONS:** 12/01/09

**REGULATORY STATUS:** SWMU

**LOCATION:** Southeast corner of the C-333 Process Building between columns S48/49-Sa48/49.

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

**FUNCTION:** Temporary storage of materials

**BRIEF HISTORY:** Most of the storage areas in C-333 were created in 1995 during the Rad Area Reduction Project. The objective of this project was to consolidate excess materials and equipment scattered throughout the building to provide additional nonradiological floor space.

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) on December 31, 1996. From June 2002 to July 2006, 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 July 26 2006, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on August 1, 2007. This area was used as a staging area for other DMSA material until 2007.

Resource Conservation and Recovery Act (RCRA) 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:** 1995 to 2007

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

**WASTE DESCRIPTION:** The SWMU currently is empty. Newly generated RCRA regulated mixed hazardous waste formerly stored included a mercury switch and oils drained from two pieces of equipment in the DMSA (a portable vacuum unit and a band saw). The Toxic Substances and Control Act (TSCA) regulated waste formerly stored included the portable vacuum unit and the oil drained from the unit. The oil, characterized as a TSCA regulated polychlorinated biphenyl (PCB) waste, also was a RCRA mixed waste. The portable vacuum unit was classified as a PCB/low-level waste (LLW). The LLW formerly stored varied from small items such as rods, bolts, and pieces of wood to large items such as pumps, coil spring

assemblies, a lifting fixture for a forklift, and the band saw. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

**WASTE QUANTITY:** Currently 0 ft<sup>3</sup>; waste quantity removed 1,052 ft<sup>3</sup>

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

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:** None Known

<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:** No documents were identified indicating a spill or release at this unit.

**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. 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



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**August 27, 2008**

