

**DMSA C-310-04**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 233

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

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

**REGULATORY STATUS:** SWMU

**LOCATION:** Southwest corner of the C-310 Process Building between columns A17-18/C17-18.

**APPROXIMATE DIMENSION OR CAPACITY:** 100 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials

**BRIEF HISTORY:** This area contains two Kinney vacuum pumps and associated piping that are fixed in place. The equipment was abandoned in place when it was replaced by an air exhauster system around 1975. The pumps and associated piping were 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 August 2002 to January 2008, 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 March 12, 2008, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on April 25, 2008.

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. The two pumps and associated piping are considered fixed equipment and will be removed with the decontamination and decommissioning (D&D) of this building.

**PRESENT OPERATIONAL STATUS:** Inactive

**DATES OPERATED:** 1950 to 1975

**SITE/PROCESS DESCRIPTION:** An inside DOE storage area located in the southwest corner of the C-310 Process Building.

**WASTE DESCRIPTION:** This DMSA is empty except for the fixed equipment, which includes two Kinney vacuum pumps and associated piping. No waste was identified in the DMSA. A detailed description of the characterization can be found in the FI/CR.

**WASTE QUANTITY:** Currently about 300 ft<sup>3</sup> for D&D

**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. 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



**East Kinney Vacuum Pump and Associated Piping  
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2008**



**East and West Kinney Vacuum Pump and Associated Piping  
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