

DMSA C-337-25
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 330

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISION: 01/05/05; 3/31/06; 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Northeast quadrant of the C-337 process building between columns T48-49/Ub48-49

APPROXIMATE DIMENSION OR CAPACITY: 1,413 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: Most of the material storage areas in C-337 were created to consolidate excess material and equipment scattered throughout the building in order to provide additional nonradiological floor space. In 1996, this area was released by the United States Enrichment Corporation (USEC) to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA). From August 2004 to June 2007, DOE characterized the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, Appendix E of the 2003 Agreed Order. The Final Inventory and Characterization Report (FI/CR) was submitted August 6, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on September 6, 2007.

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, submitted on December 22, 2005, and approved by KDWM on April 16, 2006. The *Notification of Intent to Proceed with Closure* was submitted on September 24, 2007, and approved by KDWM on October 15, 2007. The final closure certification was submitted on February 21, 2008, and approved by KDWM on March 25, 2008.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1963 to 2007

SITE/PROCESS DESCRIPTION: A DOE storage area for miscellaneous excess material and equipment located in the northeast quadrant of the C-335 process building.

WASTE DESCRIPTION: The site currently is empty. Newly discovered RCRA hazardous waste formerly stored included light bulbs, welding rods, fuses, and a battery. The newly generated RCRA hazardous waste removed included fuses, light bulbs, light starters, vacuum tubes, circuit boards, vacuum cleaner dust, and ceramic insulators. The Toxic Substances Control Act waste formerly stored included capacitors, light ballasts, and liquid-filled potential transformers, brake shoes, speed increaser, recorders, portable handrails, carts, a metal storage cabinet, and miscellaneous metal items. The low-level waste formerly stored included

dumpsters, fiber glass insulation, carts, chairs, metal cabinets, gate valves, and miscellaneous metal items. The solid waste formerly stored included gate valves, recorders, motors, heaters, and miscellaneous metal. Reusable material identified in this DMSA included process transformers, coils, and a basket of electrical breaker parts. These items were transferred to the USEC for use. Circuit boards that are intact and nonradiologically contaminated were recycled [i.e., exempt from RCRA per 40 *CFR* § 261.6(a)(3)(ii)]. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 3,590 ft³

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

DESCRIPTION OF RELEASE AND MEDIA AFFECTED:

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 on September 24, 2007, approved on October 15, 2007, 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.

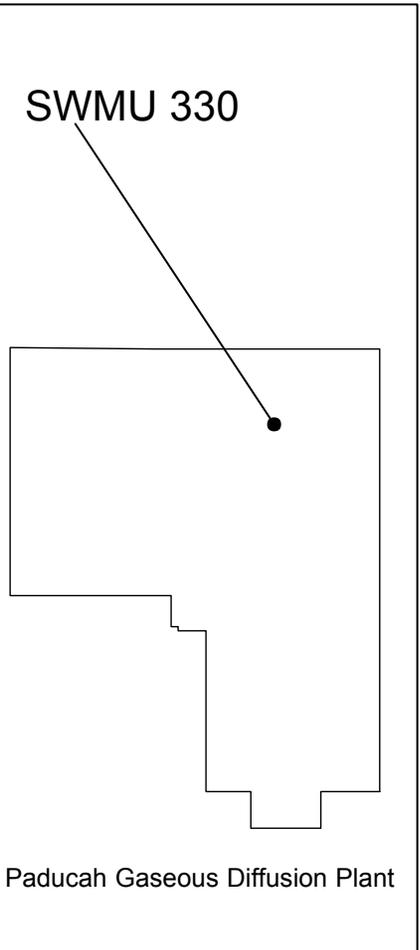
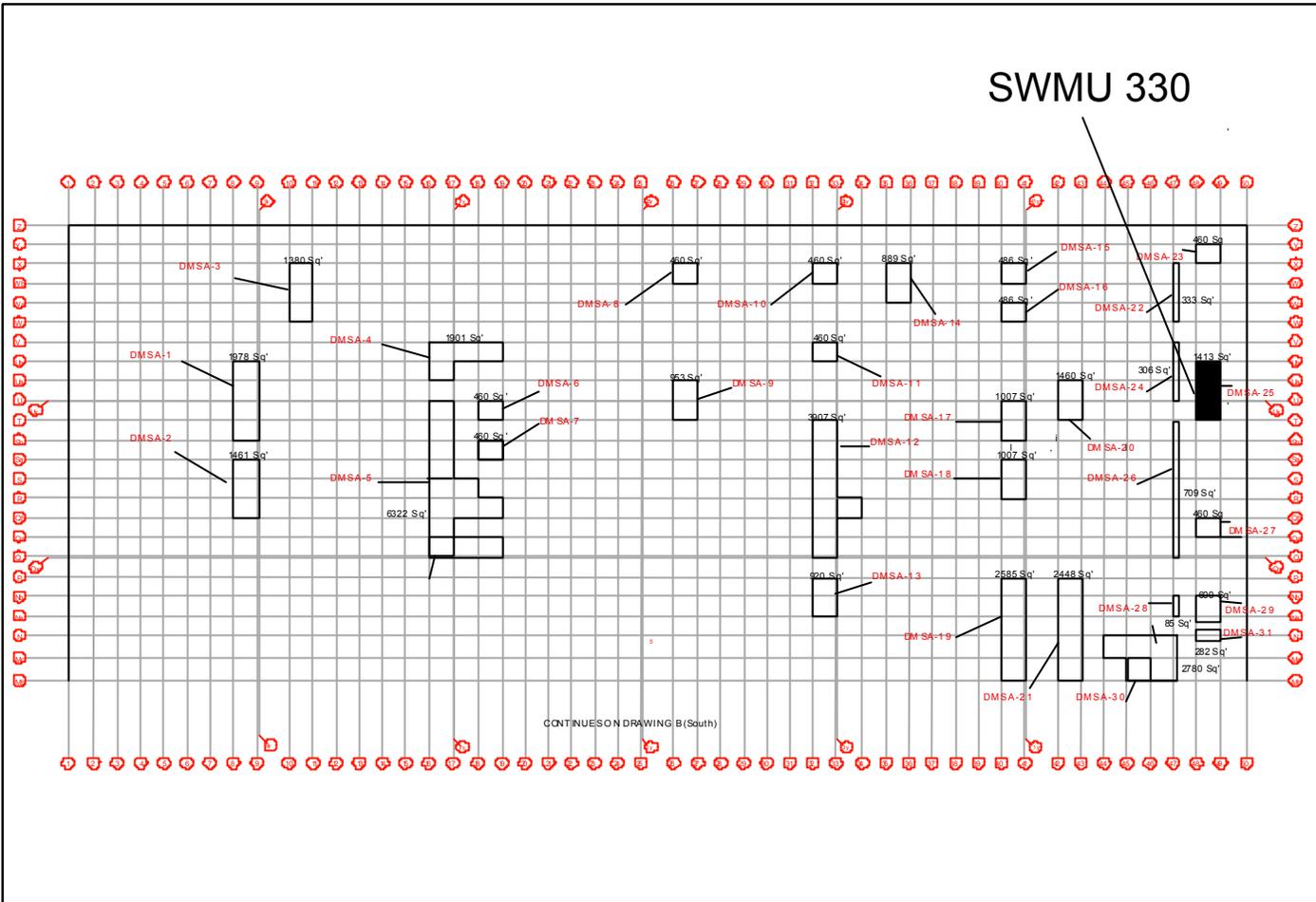
PRG COMPARISON: N/A

RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this DMSA. 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



SWMU 330
DMSA C-337-25
View Facing East
November 5, 2007



Paducah Gaseous Diffusion Plant

LEGEND

-  OFFICIAL DOE DMSAs PER 12/31/96
-  AGREEMENT BETWEEN DOE AND USEC



C-337 Ground Floor, North Half- SWMU 330

U.S. DEPARTMENT OF ENERGY
DOE PORTSMOUTH/PADUCAH PROJECT OFFICE
PADUCAH GASEOUS DIFFUSION PLANT



Figure No. C-337-25-330
Date 02-19-08