

**DMSA C-331-16**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 250

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

**DATE OF SAR REVISIONS:** 03/03/03; 03/31/06; 03/15/09

**REGULATORY STATUS:** SWMU

**LOCATION:** Located in the southeast section of the C-331 process building between columns X26/28-AA26/27

**APPROXIMATE DIMENSION OR CAPACITY:** 1,800 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials

**BRIEF HISTORY:** Most of the storage areas in C-331 were created during the Rad Area Reduction Project conducted from 1993 to 1995. The objective of this project was to consolidate excess material and equipment scattered throughout the building to provide additional nonradiological floor space. In 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 April 2002 to May 2006, 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 July 7, 2006, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on January 8, 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 on April 16, 2006. The *Notification of Intent to Proceed with Closure* was submitted on September 8, 2006, and approved by KDWM on October 24, 2006. The *Final Closure Certification Report* was submitted on April 2, 2007, and approved by KDWM on May 8, 2007.

**PRESENT OPERATIONAL STATUS:** Inactive

**DATES OPERATED:** 1993 to 2006

**SITE/PROCESS DESCRIPTION:** An inside DOE storage area located in the southeast section of the C-331 process building.

**WASTE DESCRIPTION:** The SWMU currently is empty. Newly discovered RCRA hazardous waste formerly stored included lamp igniter, tubes of gasket sealant, indicator light with bulb, light bulb, fuses paint tubes, light starters, an aerosol can, and a bottle of Ruby Fluid Soldering Flux. Newly generated RCRA hazardous waste removed included light bulbs, fuses, circuit boards, vacuum tubes, mercury contactors, mercury relays, oils, light starter, battery cables with lead terminals, and capacitors. The Toxic Substances Control Act (TSCA) waste formerly stored included numerous capacitors and light ballasts. Other TSCA waste included asbestos containing material (ACM), polychlorinated biphenyl (PCB) bulk product (PCB bulk) waste, and PCB-contaminated waste. The low-level waste (LLW) formerly stored included process related equipment such as valves, pumps,

traps, control valve bellow assemblies, expansion joints, and B-balance elbows. Miscellaneous scrap metal items, wood, plastic and rubber items formerly stored also were categorized as LLW. Circuit boards (1 ft<sup>3</sup>) that were not radiologically contaminated were categorized and handled as recyclable material [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 ft<sup>3</sup>; waste quantity removed 7,060 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:** The *Notification of Intent to Proceed with Closure* submitted on September 8, 2006, and approved by KDWM on October 24, 2006; and the *Closure Certification Report* submitted on April 2, 2007, approved by KDWM on May 8, 2007, document 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

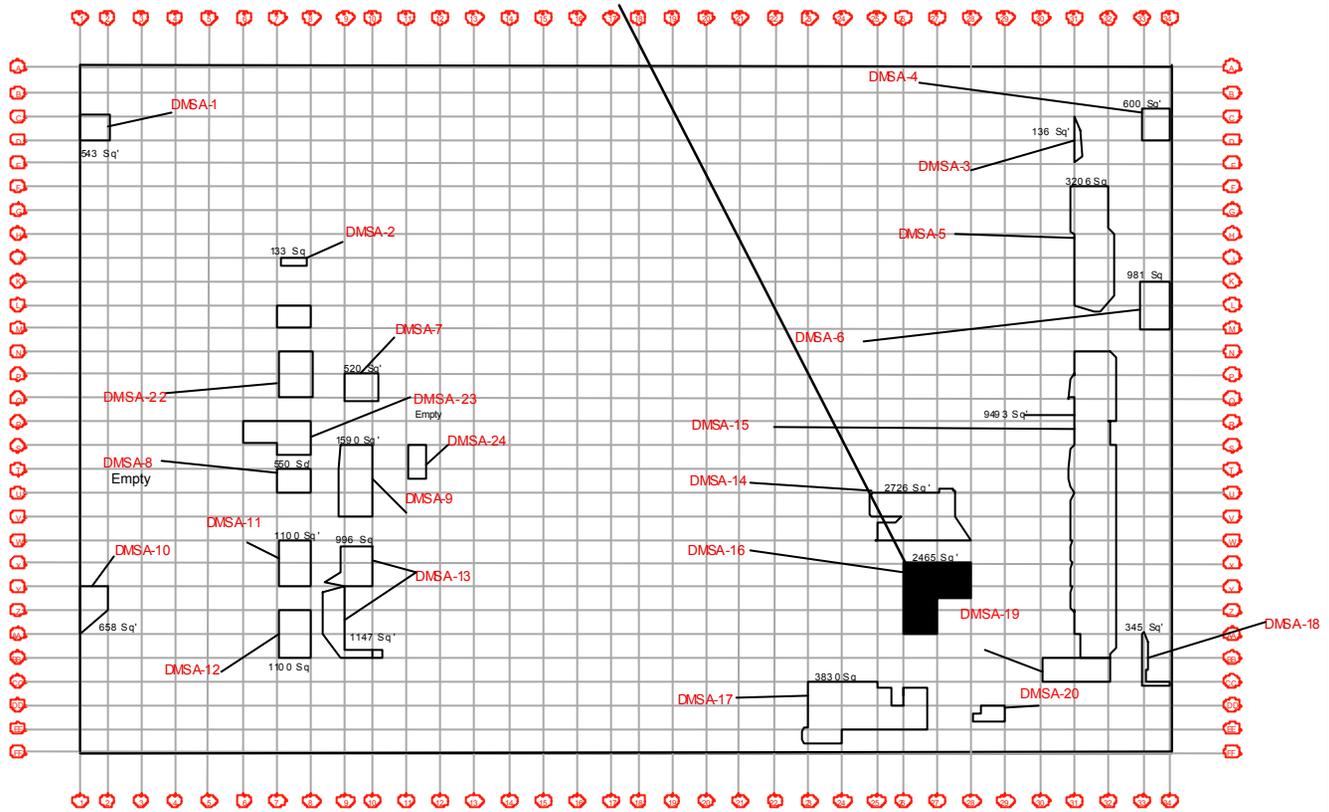
**RFI NECESSARY:** No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this DMSA. This unit is being proposed for no further action since it no longer is active, has no evidence of releases to the environment, and is not believed to pose a risk to human health or the environment.

**OPERABLE UNIT ASSIGNMENT:** N/A

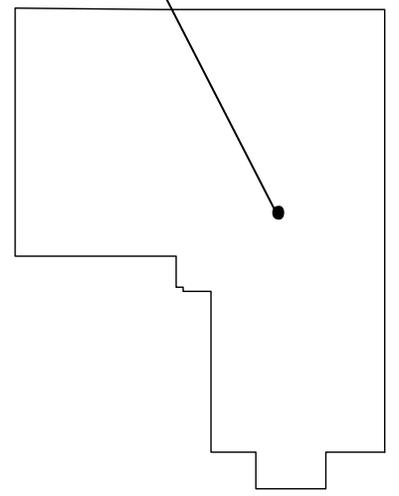


SWMU 250  
DMSA C-331-16  
View Facing Southeast  
November 5, 2007

# SWMU 250



# SWMU 250



Paducah Gaseous Diffusion Plant

**LEGEND**

OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



## C-331 Ground Floor - SWMU 250

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



Figure No. C-331-16-250  
Date 02-27-08