

**DMSA C-337-03**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 310

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

**DATE OF SAR REVISION:** 06/14/10

**REGULATORY STATUS:** SWMU

**LOCATION:** Northwest quadrant of the C-337 Process Building between columns W10-11/X10-11.

**APPROXIMATE DIMENSION OR CAPACITY:** 1,380 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials.

**BRIEF HISTORY:** The storage area was created in 1987 as a supplemental waste storage area when the generation rate of polychlorinated biphenyl (PCB)/low-level waste exceeded the capacity of existing Toxic Substances Control Act (TSCA) storage facilities. 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) on December 31, 1996. In February 2001 and June 2007, 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 DMSA was empty in February 2001 and was verified in June 2007 to contain no waste/materials, with no signs of historical spills or releases of hazardous materials. The *Final Inventory and Characterization Report (FI/CR)* was submitted on August 27, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on October 5, 2007.

The Decontamination and Decommissioning Program utilized the area for storage of fissile waste items from the C-410 facility due to a lack of criticality accident alarm system coverage in C-410. Removal of the C-410 fissile items was completed on March 27, 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 in the northwest quadrant of the C-337 Process Building.

**WASTE DESCRIPTION:** This SWMU currently is empty. A detailed description can be found in the FI/CR.

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

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

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:** PCB spills to the concrete floor were documented in this area on April 15, 1992, and February 25, 1994. The spills were cleaned 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.

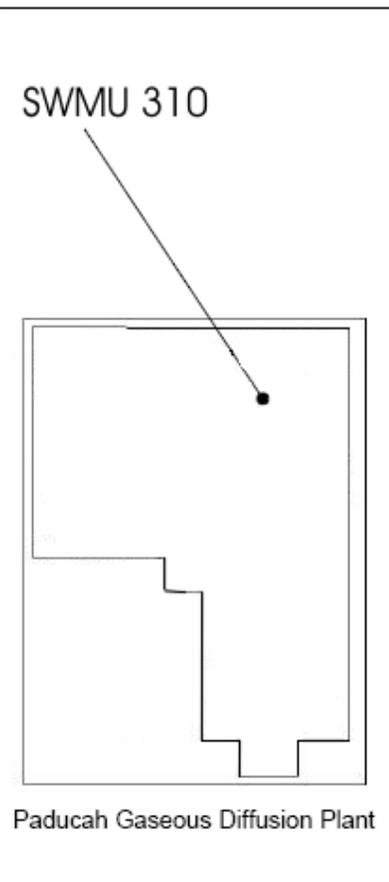
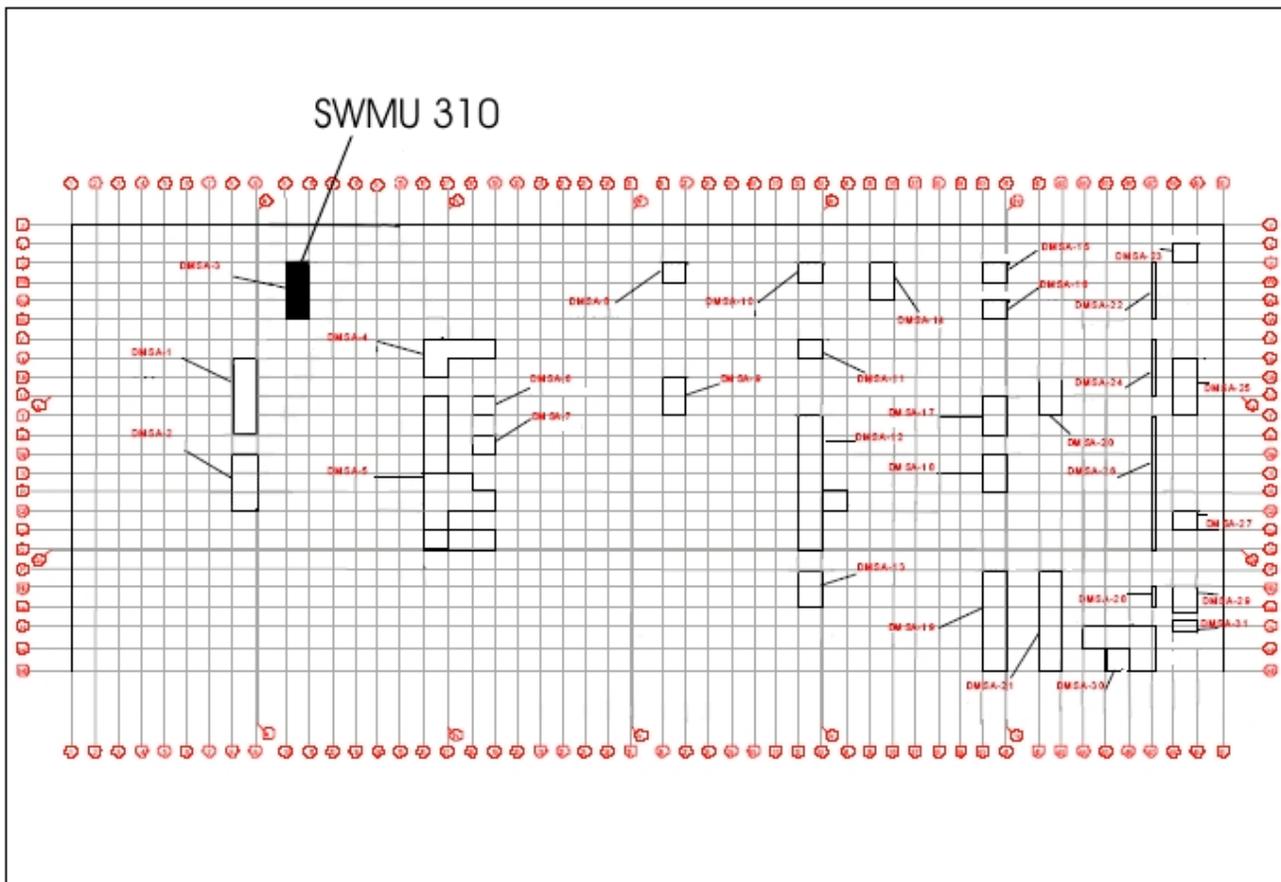
**PRG COMPARISON:** N/A

**RFI NECESSARY:** No. This SWMU is located in an operational process building with a concrete floor. This unit is being proposed for no further action because 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 310**  
**DMSA C-337-03**  
**May 26, 2009**



LEGEND  
□ OFFICIAL DOE DMSA PER 12/31/96 AGREEMENT BETWEEN DOE AND USEC



C-337 Ground Floor, North Half- SWMU 310

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

**PADUCAH**  
Remediation Services  
A PortageShaw Joint Venture Company