

**DMSA C-337-41**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 344

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

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

**REGULATORY STATUS:** SWMU

**LOCATION:** Southeast quadrant of the C-337 Process Building at columns L48-49/M48-49.

**APPROXIMATE DIMENSION OR CAPACITY:** 1,075 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials.

**BRIEF HISTORY:** Most of the material storage areas were created to consolidate excess material and equipment scattered throughout the building in order to provide additional nonradiological floor space. On December 31, 1996, 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).

From February 2006 to April 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 May 29, 2008, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on August 19, 2008. This SWMU was used as a staging/storage area for DMSA materials until 2009.

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:** 1996 to 2009

**SITE/PROCESS DESCRIPTION:** An inside DOE storage area located in the southeast quadrant of the C-337 Process Building.

**WASTE DESCRIPTION:** This SWMU currently is empty. Newly generated RCRA regulated hazardous/mixed waste formerly stored included ceramic insulators with lead, incandescent light bulbs, a vacuum tube, and a mercury switch. The Toxic Substances Control Act (TSCA) polychlorinated biphenyl (PCB) waste formerly stored consisted of small capacitors, electric pot heads, and a speed increaser. The TSCA nonleachable PCB bulk product waste (e.g., items with plastic insulation from wire or cable) formerly stored consisted of electrical cable. The TSCA presumed asbestos-containing material formerly stored included wastes such as brake shoes, transite siding, and a test stand with a transite bottom. All the TSCA regulated wastes also were classified as low-level waste (LLW) due to radiological contamination. The LLW

formerly stored consisted of cell housing panels, dumpsters, chairs, wood pallets, a blueprint table, an electric fan and autoclave, and miscellaneous metal items (e.g., empty trash cans, a tool box, aluminum ladders, circular unit steam heaters, and belt guards). Solid waste formerly stored included clothing lockers. A detailed description of the characterized waste formerly stored in this SWMU can be found in the FI/CR.

**WASTE QUANTITY:** Currently 0 ft<sup>3</sup>; waste quantity removed 3,550 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.

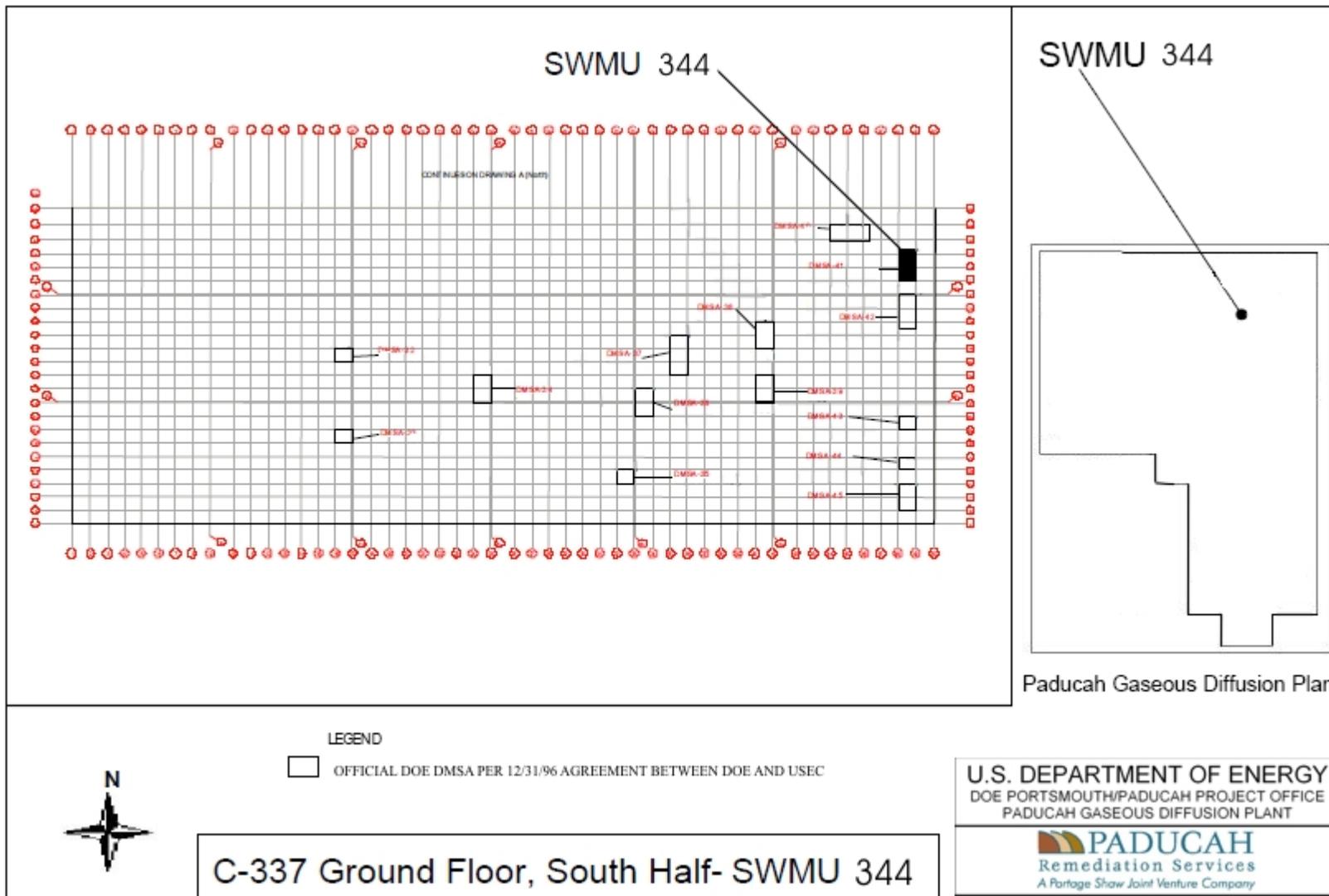
**PRG COMPARISON:** N/A

**RFI NECESSARY:** No. This 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 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 344  
DMSA C-337-41  
June 4, 2009**



SWMU 344

SWMU 344

Paducah Gaseous Diffusion Plant

LEGEND

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



C-337 Ground Floor, South Half- SWMU 344

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

**PADUCAH**  
Remediation Services  
A Portage Show Joint Venture Company