

**DMSA C-337-29**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 332

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

**DATE OF SAR REVISIONS:** 03/01/10

**REGULATORY STATUS:** SWMU

**LOCATION:** Northeast quadrant of the C-337 Process Building between columns N48-49/Nb48-49.

**APPROXIMATE DIMENSION OR CAPACITY:** 600 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials.

**BRIEF HISTORY:** This supplemental waste storage area was established in 1994 when the generation rate of polychlorinated biphenyl (PCB)/low-level waste (LLW) exceeded the capacity of existing Toxic Substances Control Act (TSCA) waste storage facilities. 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 September 2006 to May 2009, 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 June 30, 2009, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on August 17, 2009.

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*, approved on April 14, 2006. The *Notification of Intent to Proceed with Closure* for this SWMU was submitted to KDWM on September 11, 2009, and approved on October 8, 2009.

**PRESENT OPERATIONAL STATUS:** Inactive

**DATES OPERATED:** 1994 to 2009

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

**WASTE DESCRIPTION:** This SWMU currently is empty. Newly discovered RCRA regulated hazardous/mixed waste formerly stored consisted of circuit boards, cathode ray tube monitors, and a television monitor. Newly generated RCRA regulated mixed waste formerly stored included circuit boards, fuses, batteries (lithium, nickel-cadmium, lead, and mercury), vacuum tubes, capacitors, and light bulbs. The TSCA regulated PCB waste formerly stored consisted of metal drip pans, three metal boxes containing electrical cable, and small capacitors. Since these

items were radiologically contaminated, they also were classified as PCB/LLW. The LLW formerly stored included three empty poly (plastic) tanks, three metal tank-holding fixtures, a metal work platform, and seventeen large metal boxes containing electrical equipment, instrument equipment, filters, miscellaneous metal, plastic parts, and debris. A detailed description of the characterized waste can be found in the FI/CR.

**WASTE QUANTITY:** Currently 0 ft<sup>3</sup>; waste quantity removed 3,407 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 11, 2009, and approved by KDWM on October 8, 2009, 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.

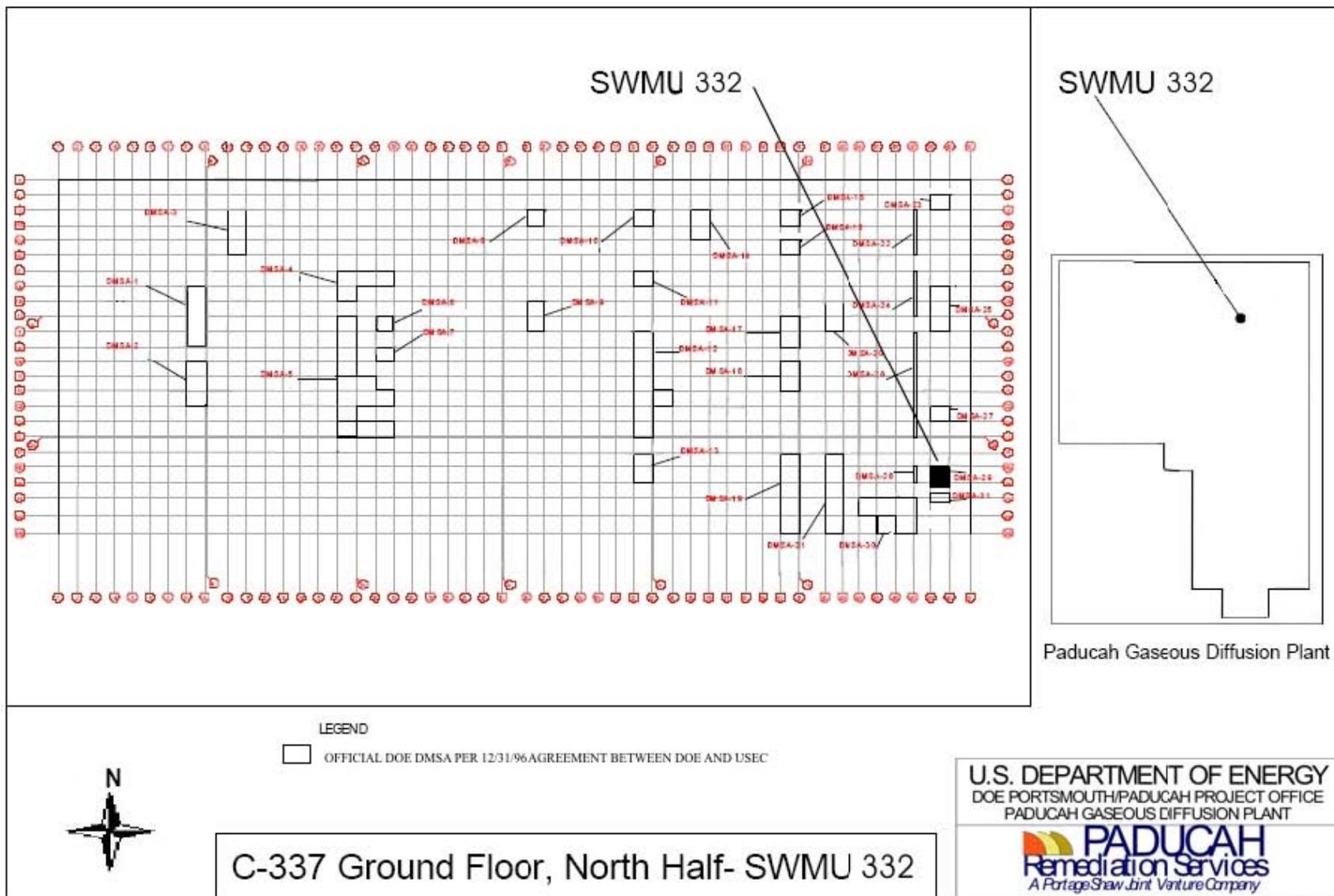
**PRG COMPARISON:** N/A

**RFI NECESSARY:** No. 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 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 332  
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2009**



C-337 Ground Floor, North Half- SWMU 332

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