

**DMSA C-337-12**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 319

**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 at columns Q32-33/T32-33 and Qb33-34/R33-34.

**APPROXIMATE DIMENSION OR CAPACITY:** 3,907 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials.

**BRIEF HISTORY:** This supplemental waste storage area was created in 1990 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 November 2007 to April 2009, 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 March 28, 2009 to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on May 8, 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*, submitted on December 22, 2005, and approved on April 14, 2006. The *Notification of Intent to Proceed with Closure* was submitted to KDWM on June 30, 2009, for KDWM approval.

**PRESENT OPERATIONAL STATUS:** Inactive

**DATES OPERATED:** 1990 to 2009

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

**WASTE DESCRIPTION:** The waste has been removed from the SWMU. Newly discovered RCRA regulated hazardous/mixed waste formerly stored consisted of floor sweep. The TSCA PCB/LLW waste formerly stored included sewer sludge, concrete, cast iron pipe from autoclave, contaminated concrete/fill rock/soil, solid waste, sweeping compound, PCB contaminated rags and polyvinyl chloride (PVC) pipe, Zorball, floor sweep, rags, gloves, shoes, trash, pallets, saw blades, plastic filters, tray cables, and various plastic, wood, metal, and cloth materials. The

LLW formerly stored included Hypalon, plastic, an autosampler, PVC diking, wood pallets, and plywood. Excavated soil from the autosampler project was categorized as solid waste. Reusable material identified included wood pallets. 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 9,552 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 to KDWM on June 30, 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.

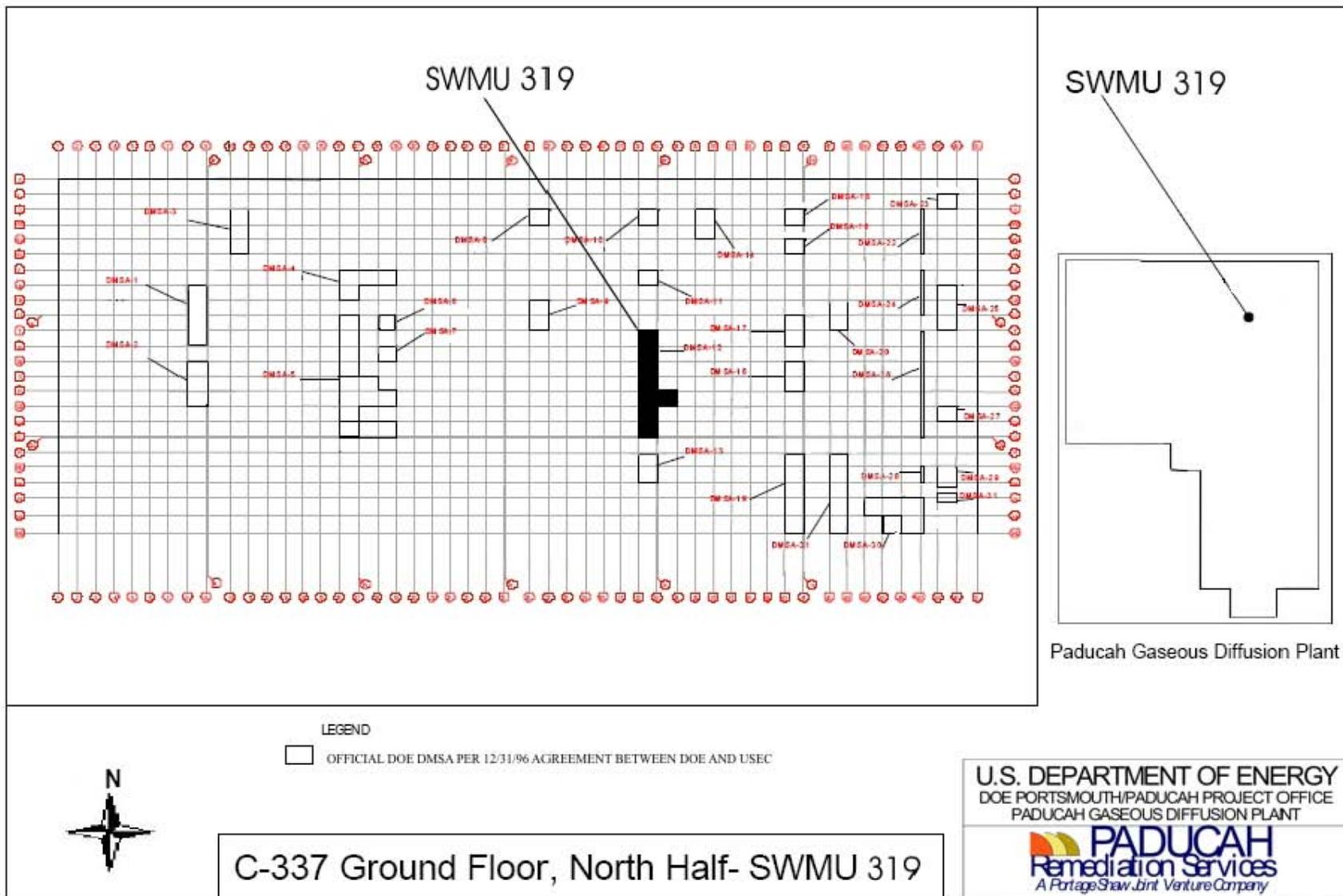
**PRG COMPARISON:** N/A

**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 319  
DMSA C-337-12  
January 12, 2010**



C-337 Ground Floor, North Half- SWMU 319

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

**PADUCAH**  
Remediation Services  
*A Portage Shaw, Inc. Venture Company*

Paducah Gaseous Diffusion Plant