

**DMSA C-337-05**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 312

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

**DATE OF SAR REVISIONS:** 3/24/03, 12/01/09

**REGULATORY STATUS:** SWMU

**LOCATION:** Northwest quadrant of the C-337 Process Building between columns Qx16-17y/Ux16-17y, with adjoining areas between columns Qx17y-19/Qa17y-19, Qb17y-19/R17y-19, and R17y-18/S17-18.

**APPROXIMATE DIMENSION OR CAPACITY:** 6,322 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials

**BRIEF HISTORY:** This storage area was created in the mid 1980s as a supplemental waste storage area when the generation rate of polychlorinated biphenyl (PCB)/low-level waste (LLW) 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.

From August 2004 to July 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 September 25, 2008, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on October 30, 2008.

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:** 1983 to 2008

**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. Two hundred eight containers of TSCA PCB/LLW formerly stored consisted of sewage sludge, ditch sediments, gravel, concrete, cast iron drain pipe, fill rock and soil, and a drum pump (empty with no reservoir for liquids). The LLW formerly stored included wood pallets and secondary containment materials (i.e., Hypalon, polyvinyl chloride diking, and plywood). One hundred nineteen containers of excavated soils were ditch sediments from the autosampler project. Reusable material formerly stored consisted of wood pallets and a Pyranol (i.e., registered trademark of General Electric for dielectric fluid containing high concentration of PCBs) tank with cart. A detailed description of the

characterization can be found in the FI/CR.

**WASTE QUANTITY:** Currently 0 ft<sup>3</sup>; waste quantity removed 5,749 ft<sup>3</sup>

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

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:** None Known

**GROUNDWATER:** None Known

**SURFACE WATER:** None Known

**SOIL:** None Known

**ECOLOGY AFFECTED:** (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. The 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

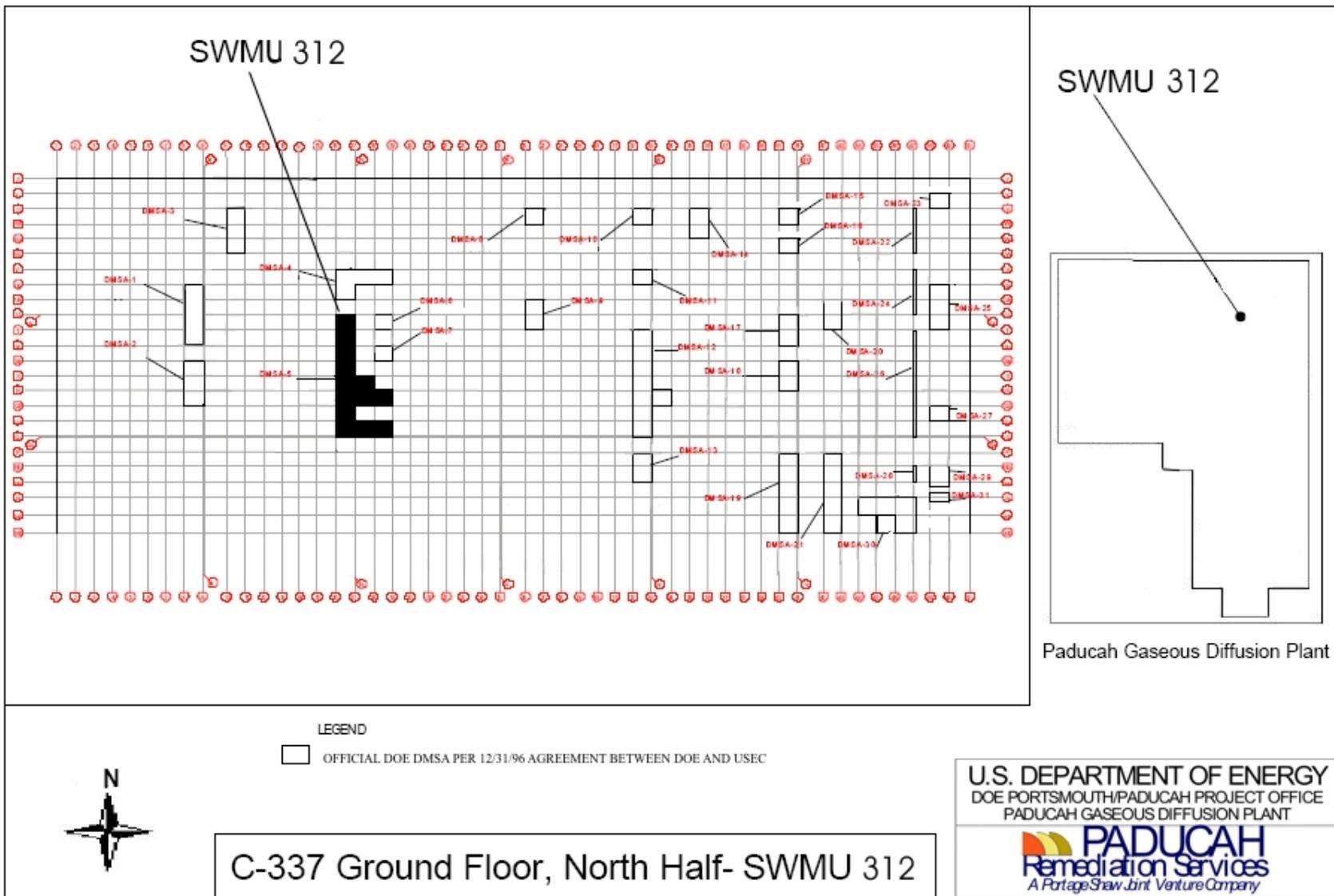


View 1



View 2

**SWMU 312  
DMSA C-337-05  
2008**



C-337 Ground Floor, North Half- SWMU 312

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

**PADUCAH**  
Remediation Services  
A Portage-Stewart Joint Venture Company