

DMSA C-337-23
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 329

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 12/01/09

REGULATORY STATUS: SWMU

LOCATION: Northeast quadrant of the C-337 Process Building between columns X48-49/Y48-49.

APPROXIMATE DIMENSION OR CAPACITY: 460 ft²

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. 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) on December 31, 1996.

From October 2006 to May 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 June 24, 2008, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on August 19, 2008.

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 2008

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. The Toxic Substances Control Act (TSCA) polychlorinated biphenyl (PCB) bulk product waste formerly stored consisted of an electric air mover (with power cable). Presumed asbestos-containing material (PACM) formerly stored consisted of a show vacuum and transite siding. The PCB bulk product waste and PACM waste also were classified as low-level waste (LLW) due to radiological contamination. The LLW formerly stored included electric air movers, piping, a pipe rack, a seal exhaust pump, a work platform, a transition piece, wood pallets, and miscellaneous metal items such as cell housing strips, fan screens, welding rods, and an empty 55-gal drum. A detailed description of the characterization can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 1,831 ft³

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.

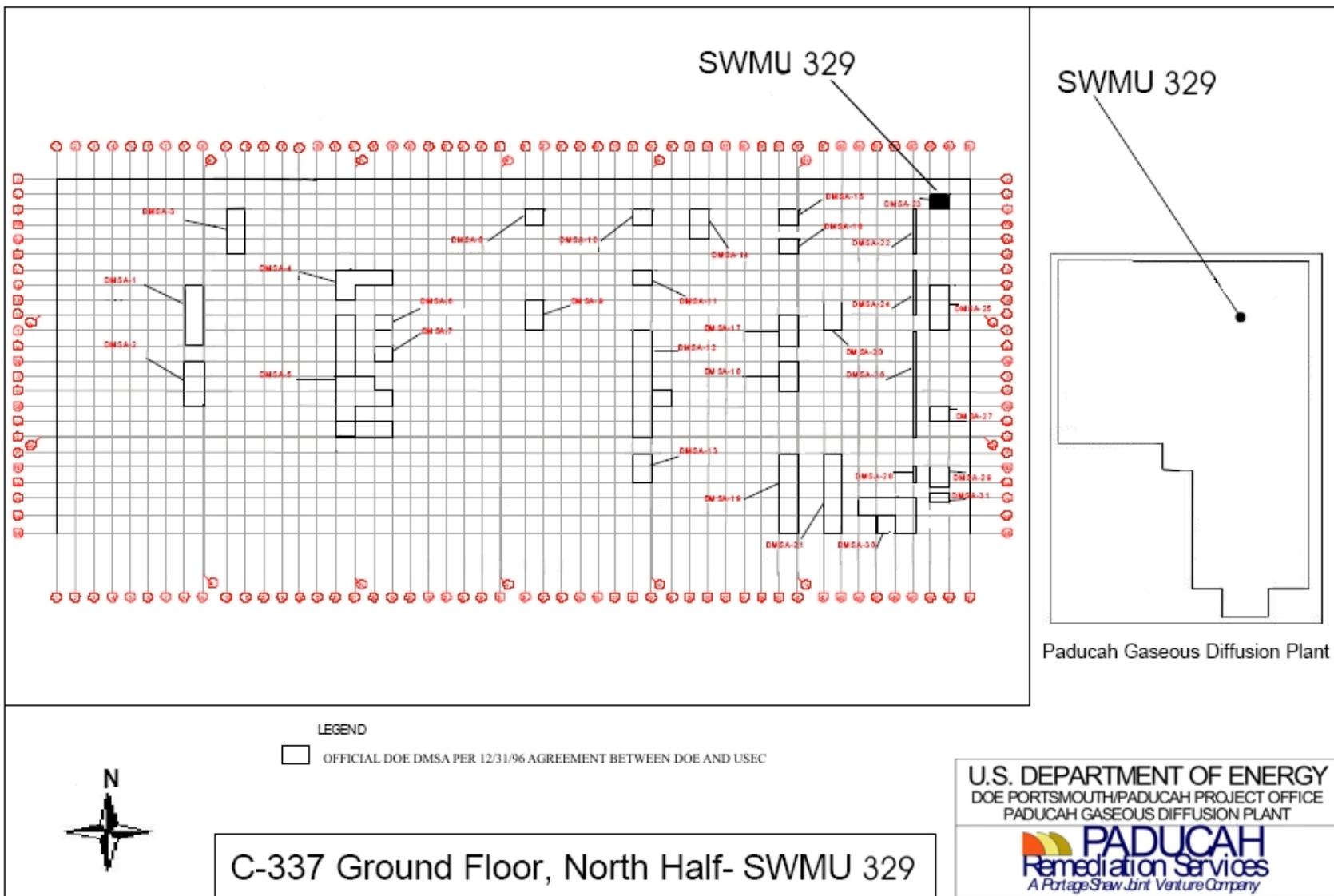
PRG COMPARISON: N/A

RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. This unit is being proposed for no further action since it no longer is active, has no evidence of a release to the environment, and is not believed to pose a risk to human health and the environment.

OPERABLE UNIT ASSIGNMENT: N/A



**SWMU 329
DMSA C-337-23
2008**



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

PADUCAH
Remediation Services
A PortageShaw Joint Venture Company