

DMSA C-337-43
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 346

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISION: 3/31/06; 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Southeast quadrant of the C-337 process building at columns Ea48/49-Eb48/49

APPROXIMATE DIMENSION OR CAPACITY: 460 ft²

FUNCTION: Temporary storage of material

BRIEF HISTORY: Most of the material storage areas in C-337 were created to consolidate excess material and equipment scattered throughout the building in order to provide additional nonradiological floor space. In 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 June 2005 to July 2006, DOE began characterization/remediation of the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, Appendix E of the 2003 Agreed Order. The Final Inventory and Characterization Report (FI/CR) was submitted September 8, 2006, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on January 8, 2007.

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 by KDWM on April 16, 2006. The *Notification of Intent to Proceed with Closure* was submitted to KDWM on November 6, 2006, and approved on December 14, 2006. The *Final Closure Certification Report* was submitted to KDWM on April 2, 2007, and approved by KDWM on May 8, 2007.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1997 to 2007

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

WASTE DESCRIPTION: The SWMU currently is empty. Newly discovered RCRA hazardous waste formerly stored included welding rods, light starters, light bulbs, fuses, aerosol cans, drums of propylene glycol, metal marker, and 2-propanol. The Toxic Substances Control Act waste formerly stored included drums of absorbent media/debris, drums of asbestos material/debris, and metal painted items. The low-level waste formerly stored consisted of drums of floor sweep/debris, filters, cardboard, flagging, respirator canisters, wood, metal, concrete, plastic, and empty drums. The solid waste formerly stored consisted of empty drums and alkaline batteries. Reusable material identified in this DMSA included wooden pallets which

were transferred to the waste storage facilities. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³; waste quantity removed 967 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: The *Notification of Intent to Proceed with Closure* submitted on November 6, 2006, approved on December 12, 2006, and the *Closure Certification Report*, submitted April 2, 2007, approved on May 8, 2007, 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.

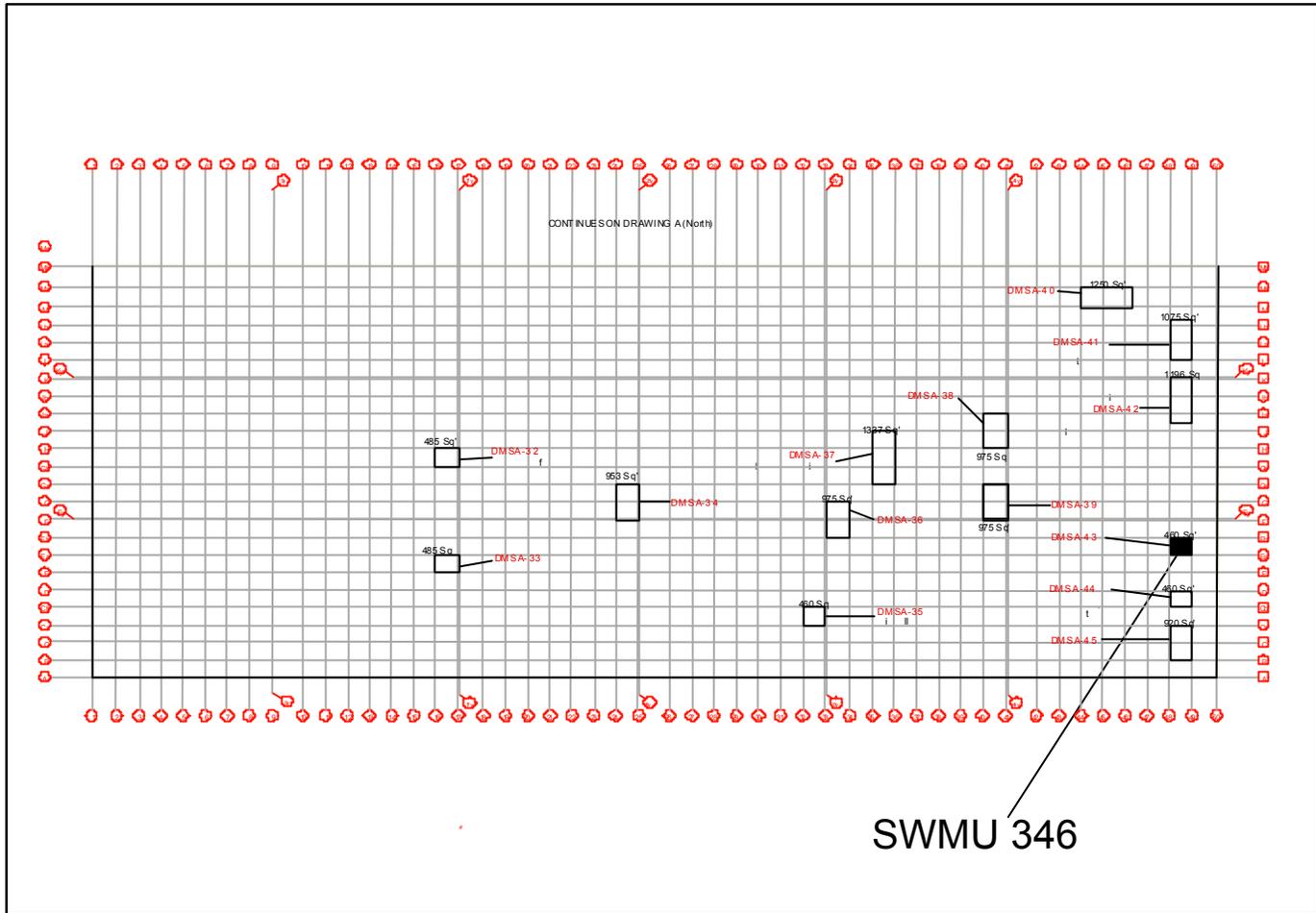
PRG COMPARISON: N/A

RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. All wastes have been removed from this DMSA. 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.

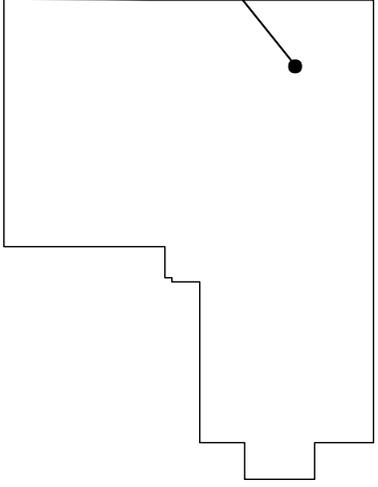
OPERABLE UNIT ASSIGNMENT: N/A



SWMU 346
DMSA C-337-43
View Facing East
February 26, 2008



SWMU 346



Paducah Gaseous Diffusion Plant

SWMU 346

LEGEND

-  OFFICIAL DOE DMSAs PER 12/31/96
-  AGREEMENT BETWEEN DOE AND USEC



C-337 Ground Floor, South Half- SWMU 346

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



Figure No. C-337-43-346
Date 02-19-08