

DMSA C-337-44
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 347

DATE OF ORIGINAL SAR: 12/01/00

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

REGULATORY STATUS: SWMU

LOCATION: Southeast quadrant of C-337 process building at columns Cb48/49-D48/49

APPROXIMATE DIMENSION OR CAPACITY: 540 ft²

FUNCTION: Temporary storage of materials

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 February 2003 to April 2006, DOE characterized 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 June 2, 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 July 28, 2006, and approved by KDWM on October 16, 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 2006

SITE/PROCESS DESCRIPTION: An inside DOE storage 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, lead seals, metal maker, respirator canister, light bulbs, a capacitor, and a fuse. The Toxic Substances Control Act waste formerly stored included a capacitor, light ballast, drums of asbestos wastes, and asbestos-containing materials such as transite and brake shoes. The low-level waste formerly stored included drums of rags, floor sweep, tacky mats, plastic, paper, metal, debris, concrete, personal protective equipment, trash, etc. One circuit board was designated for recycling [i.e., exempt

from RCRA per 40 *CFR* § 261.6(a)(3)(ii)]. 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 1,079 ft³

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

DESCRIPTION OF RELEASE AND MEDIA AFFECTED:

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 July 28, 2006, approved on October 16, 2006, and the *Closure Certification Report*, submitted on 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.

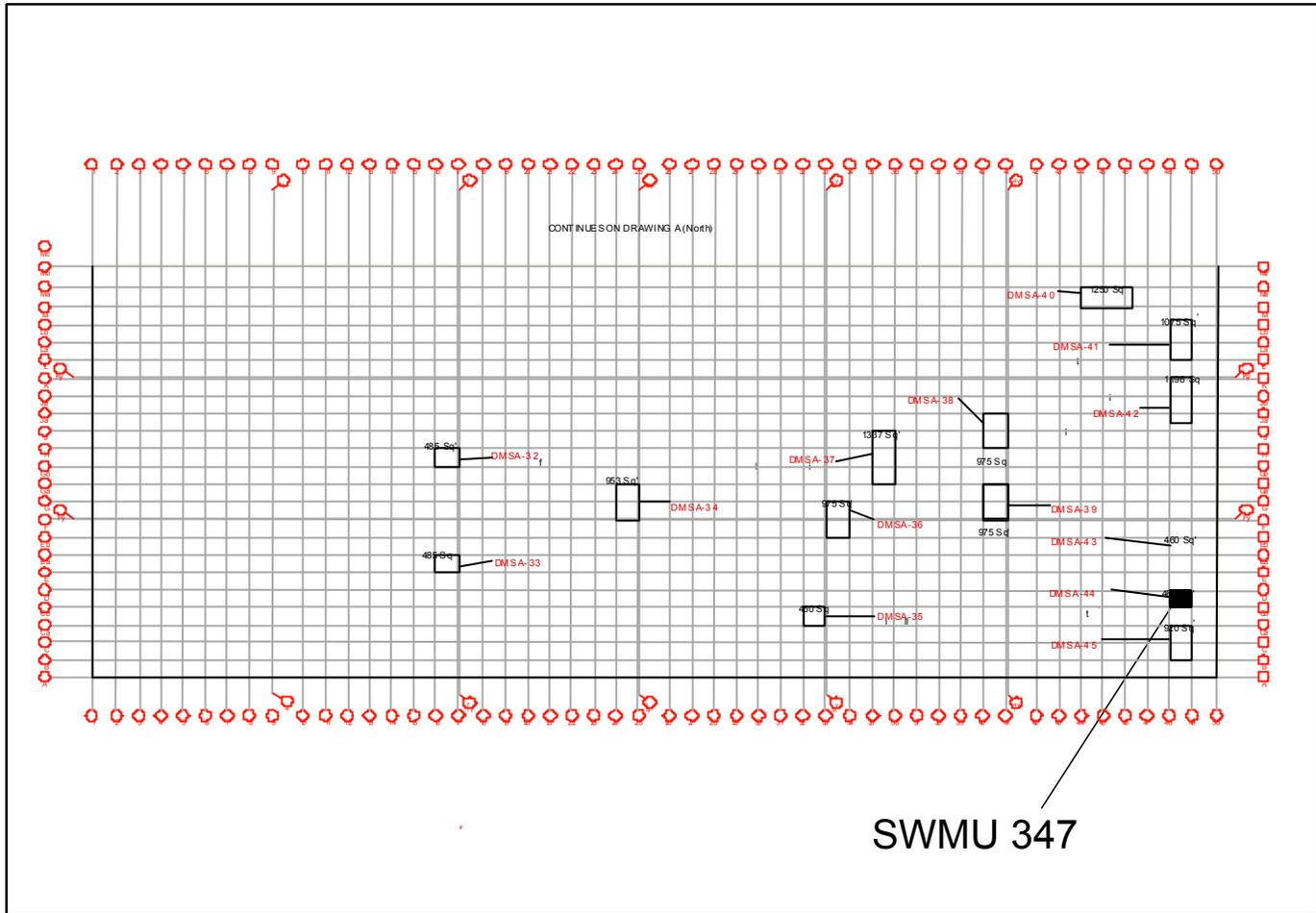
PRG COMPARISON: N/A

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.

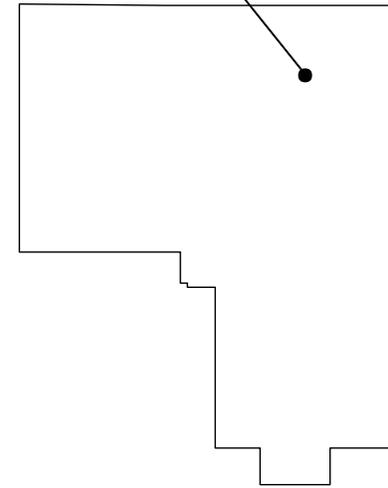
OPERABLE UNIT ASSIGNMENT: N/A



SWMU 347
DMSA C-337-44
View Facing East
November 5, 2007



SWMU 347



Paducah Gaseous Diffusion Plant

SWMU 347

LEGEND

OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-337 Ground Floor, South Half- SWMU 347

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



Figure No. C-337-44-347
Date 02-19-08