

DMSA C-337-45
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 348

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 1/13/05; 3/31/06; 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Southeast quadrant of the C-337 process building at columns B48/49-Ca48/49

APPROXIMATE DIMENSION OR CAPACITY: 920 ft²

PRESENT 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 November 2004 to September 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 September 29, 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 15, 2006, and approved by KDWM 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 2006

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 light bulbs and starters, fuses, capacitors, welding rods, lead items, vacuum tubes, metal markers, spools of solder, respirator canisters, aerosol can, a tube of gasket adhesive, container of roof cement, drum of gloves and boots, batteries, and waste oil. The Toxic Substances Control Act waste formerly stored included a light ballast, several capacitors, four 55-gallon drums, polychlorinated biphenyl (PCB) personal protective equipment, PCB bulk product waste (e.g., electrical wire and cable, painted items, and oily metal), and

asbestos materials from abatement projects. The low-level waste formerly stored in this DMSA included drums of rags, pigs, pads, pans, Zorball, oily filter media, floor sweep, mop heads, scrap metal, miscellaneous paper, plastic, leather items, rubber items, electrical components, cables, wires, and tubing. The solid waste formerly stored included empty 55-gallon drums, alkaline batteries, a drum of scrap metal, and four metal pallets. One lot of wood pallets were identified as reusable material and transferred to the waste storage facilities. Circuit boards that are intact and nonradiologically contaminated were recycled. 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 2,869 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 November 15, 2006, approved on December 12, 2006, and the *Closure Certification Report*, 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.

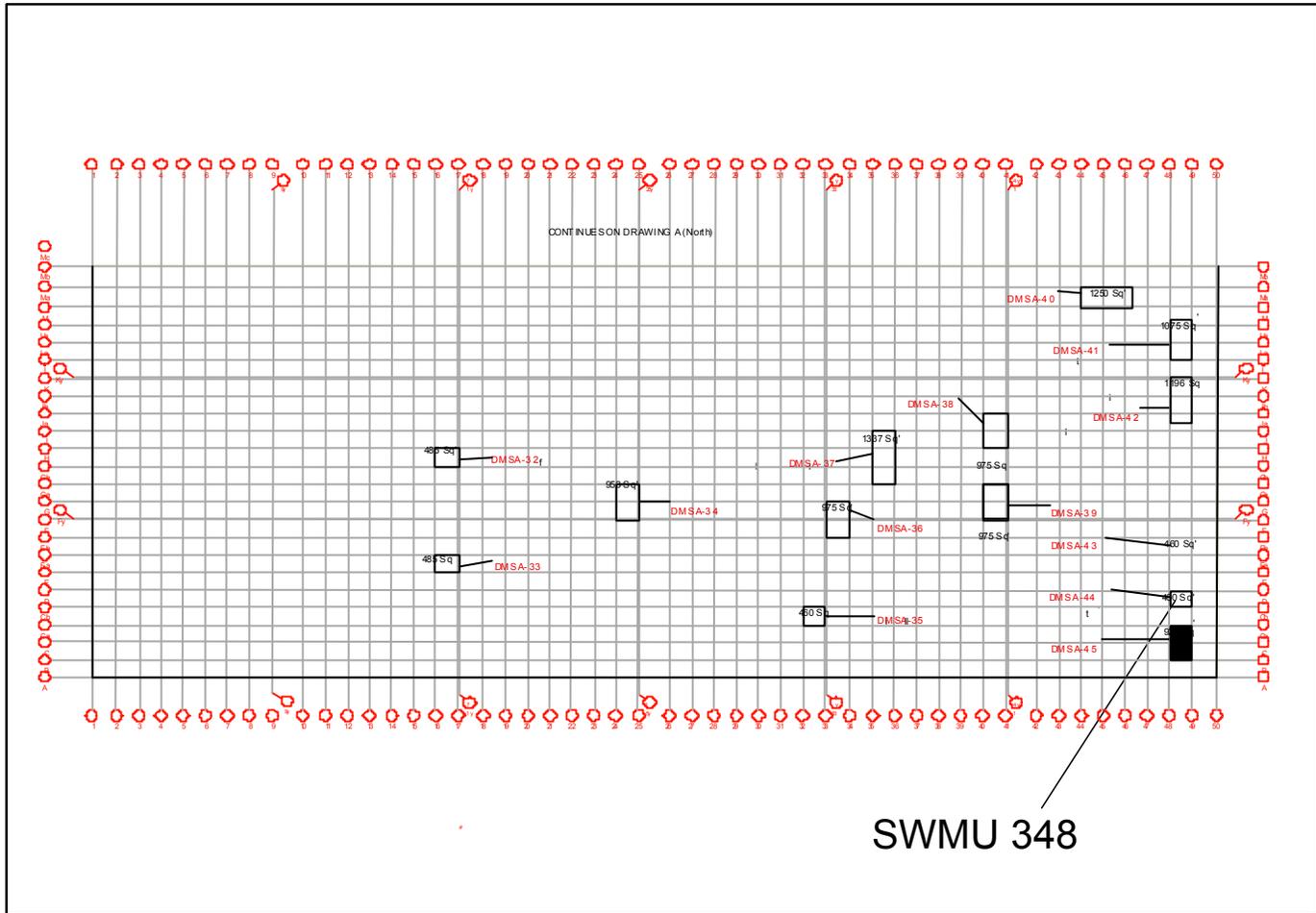
PRG COMPARISON: N/A

RFI NECESSARY: No. This 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.

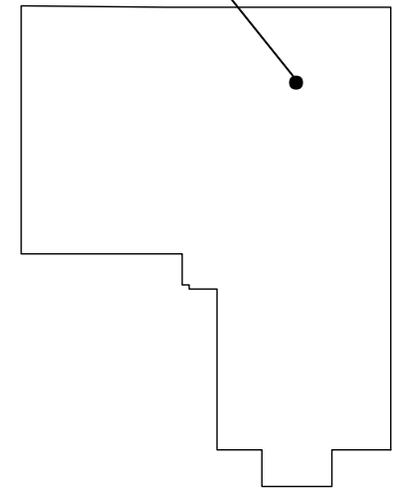
OPERABLE UNIT ASSIGNMENT: N/A



SWMU 348
DMSA C-337-45
View Facing East
November 5, 2007



SWMU 348



Paducah Gaseous Diffusion Plant

SWMU 348

LEGEND

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



C-337 Ground Floor, South Half- SWMU 348

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



Figure No. C-337-45-348
Date 02-19-08