

**DMSA C-337-08**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 315

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

**DATE OF SAR REVISIONS:** 03/19/09

**REGULATORY STATUS:** SWMU

**LOCATION:** Northeast quadrant of the C-337 Process Building between columns Wb26-27/X26-27.

**APPROXIMATE DIMENSION OR CAPACITY:** 460 ft<sup>2</sup>

**FUNCTION:** Temporary storage of materials.

**BRIEF HISTORY:** The storage area was created in the late 1980s or early 1990s as a supplemental waste storage area when the polychlorinated biphenyl (PCB)/low-level waste (LLW) generation rate exceeded the capacity of existing Toxic Substances Control Act (TSCA) storage facilities. Prior to storage, the waste generator submitted a Request for Disposal (RFD) to Waste Operations identifying the waste and documenting the available waste characterization information. Waste Operations verified the drums were adequately characterized for storage purposes and managed the waste in this DMSA/storage area in accordance with regulatory requirements and approved plant procedures. The waste management coordinator reviewed the waste generators RFD documentation and determined if the waste met the acceptance criteria established in applicable plant procedures. Drums then were accepted and transferred to the waste storage area.

The storage area was deleased by the United States Enrichment Corporation (USEC) to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA) on December 31, 1996. From November 2007 to January 2008, DOE conducted characterization/remediation of the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, which was incorporated as Appendix E of the 2003 Agreed Order. Characterization activities included the use of process knowledge, analytical data, and/or radiological data. The Final Inventory and Characterization Report (FI/CR) was submitted on April 14, 2008, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on June 17, 2008.

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, approved by the KDWM on April 14, 2006. The *Notification of Intent to Proceed with Closure (NOI)* for this SWMU was submitted to KDWM on May 19, 2008, and approved on June 17, 2008. The RCRA Closure Certification Report was submitted to the KDWM on November 21, 2008, and was approved by KDWM on December 1, 2008.

**PRESENT OPERATIONAL STATUS:** Inactive

**DATES OPERATED:** Late 1980s or early 1990s to 2008

**SITE/PROCESS DESCRIPTION:** An inside DOE storage area located in the C-337 Process Building.

**WASTE DESCRIPTION:** The SWMU currently is empty. Newly discovered RCRA regulated, mixed hazardous waste formerly stored included leachate pit sludge, which was also categorized as TSCA regulated PCB/LLW. The TSCA regulated waste formerly stored included leachate pit sludge, sewer sludge, gravel, concrete, and rock and soil (note: the leachate pit sludge was included in the RCRA inventory). The LLW formerly stored consisted of wood pallets and secondary containment materials. Reusable material identified in this DMSA included wood pallets. A detailed description of the characterized waste can be found in the FI/CR.

**WASTE QUANTITY:** Currently 0 ft<sup>3</sup>; waste quantity removed 1,076 ft<sup>3</sup>

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

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

<b>GROUNDWATER:</b>	None known
<b>SURFACE WATER:</b>	None known
<b>SOIL:</b>	None known
<b>ECOLOGY AFFECTED</b> (i.e., threatened/endangered species):	None known

**DOCUMENTATION OF NO RELEASE:** The *Notification to Proceed with Closure* submitted with the *Agreed Order Closure Plan for the DOE Material Storage Areas at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, BJC/PAD-720/R3, approved by KDWM on April 14, 2006, and the *Closure Certification* for DMSA C-337-08 submitted on November 21, 2008, approved by KDWM on December 1, 2008, document that no signs of spill or release 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 located in an active 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 releases to the environment, and is not believed to pose a risk to human health or the environment.

**OPERABLE UNIT ASSIGNMENT:** N/A

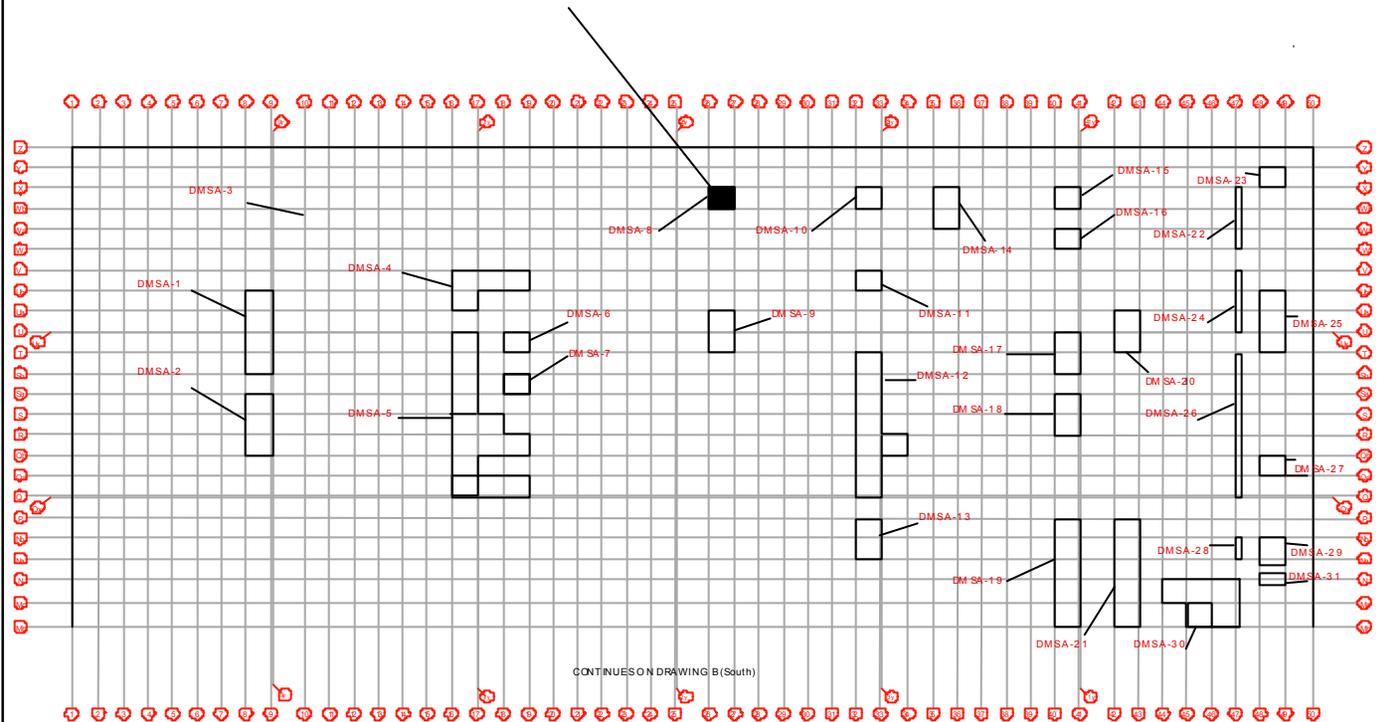


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**February 2002**

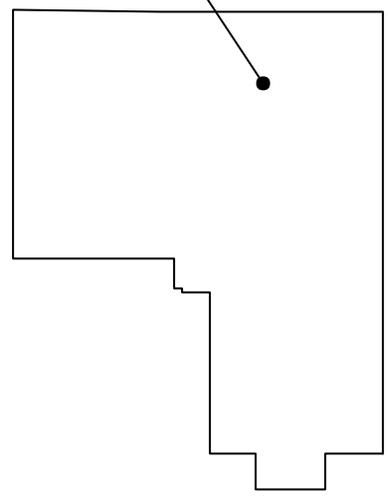


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**January 2008**

# SWMU 315



# SWMU 315



Paducah Gaseous Diffusion Plant

**LEGEND**

 OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



## C-337 Ground Floor, North Half- SWMU 315

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



Figure No. C-337-08-315  
Date 11-21-00