

DMSA C-310-05
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 234

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISION: 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Southwest corner of the C-310 process building at columns A17-A18.

APPROXIMATE DIMENSION OR CAPACITY: 20 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: The air dryer was installed to further dry plant air used to power an air ejector associated with C-310 process operations. Operating experience with the ejecting system did not demonstrate a need for the air dryer and, eventually, led to its being removed from service and abandoned in place. The area was released as a U.S. Department of Energy (DOE) Material Storage Area (DMSA) on December 31, 1996. From August 2002 to November 2002, DOE characterized the 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 22, 2004, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on July 28, 2005. Resource Conservation and Recovery Act 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: According to plant personnel, this unit never operated.

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the southwest corner of the C-310 process building.

WASTE DESCRIPTION: Air dryer. A detailed description of the characterized waste can be found in the FI/CR.

WASTE QUANTITY: Currently 0 ft³

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

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: There are no known releases associated with this SWMU.

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. This SWMU is located in the C-310 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. The air compressor was characterized and remains in-place in the DMSA to be addressed as part of the decontamination and decommissioning of the gaseous diffusion plant.

OPERABLE UNIT ASSIGNMENT: N/A

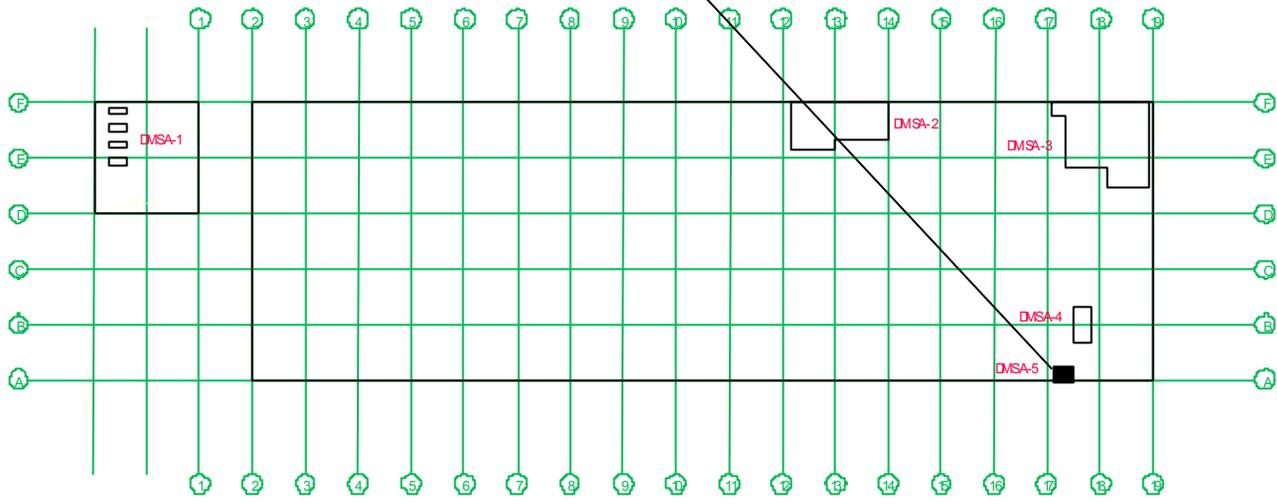


SWMU 234
DMSA C-310-05
View #1 of Air Compressor
March 11, 2004

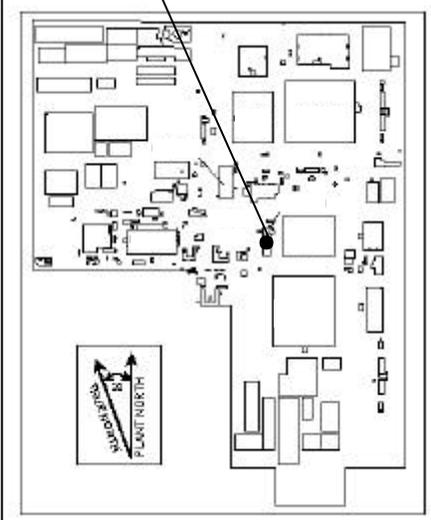


SWMU 234
DMSA C-310-05
View #2 Facing Air Compressor
March 11, 2004

SWMU 234



SWMU 234



Paducah Gaseous Diffusion Plant

LEGEND

□ OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-310 Ground Floor - SWMU 234

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



Figure No. C-310-05-234
 Date 05-27-08