

DMSA C-409-01
Solid Waste Management Unit Assessment Report

SWMU/AOC NUMBER: 354

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 8/30/02; 12/21/07

REGULATORY STATUS: SWMU

LOCATION: Located at the west end of the C-409 Building between columns B1-2/C1-2.

APPROXIMATE DIMENSION OR CAPACITY: 1,080 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: This area includes the Slope Test Stand/Facility, which was used during the 1970s to pressure test process converters removed from the cascade and uprated to perform more efficiently. Upon completion of the uprating program, the area was placed in standby and used as a storage area for miscellaneous equipment and materials. In 1996 this area was deleased by the United States Enrichment Corporation to U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA). In November 2001 DOE began characterization and remediation of the materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, which later was incorporated as Appendix E of the 2003 Agreed Order. The slope test stands were characterized and remain in-place in the DMSA. Characterization activities were completed in April 2002. The Final Inventory and Characterization Report (FI/CR) was submitted December 31, 2002, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on April 15, 2004.

Resource Conservation and Control (RCRA) closure activities were performed as set forth in the *Closure Plan, Post-Closure Plan, and Financial Requirements for SWMU 354 (DMSA C-409-01), Paducah, Kentucky, BJC/PAD-431/R1*, submitted on December 30, 2003. A RCRA Closure Certification Report was submitted to the KDWM in October 2006 and was approved by KDWM on February 13, 2007.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1970s process equipment modification program
1996 to 2002 DOE material storage area

SITE/PROCESS DESCRIPTION: A DOE storage area located in the C-409 Building that contains several fixed slope test stands.

WASTE DESCRIPTION: The waste has been removed from the SWMU. Newly discovered RCRA regulated hazardous waste formerly stored included circuit boards, diodes, fuses, and capacitors. The Toxic Substances and Control Act regulated wastes formerly stored included asbestos abated from the serpentine cooler. The low-level wastes formerly stored included miscellaneous equipment and debris such as spool pieces, treadmills, pumps, metal debris, and wood pallets. A detailed

description of the characterized waste can be found in the Final Inventory and Characterization Report.

WASTE QUANTITY: currently 0 ft³ - 439.51 ft³ removed

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: | None known |

DOCUMENTATION OF NO RELEASE: The *Closure Plan, Post-Closure Plan, and Financial Requirements for SWMU 354 (DMSA C-409-01), Paducah, Kentucky, BJC/PAD-431/R1*, submitted on December 30, 2003, and the Closure Certification DMSA C-409-01 submitted on October 18, 2006, approved by KDWM on February 13, 2007, document that no signs of spills or releases were found. There have been no known spills or releases of materials from this facility 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 SWMU. This unit is being proposed for no further action since it is no longer active, has no evidence of releases to the environment, and is not believed to pose a risk to human health or the environment. The slope test stands were characterized and remain 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 354
DMSA C-409-01
Slope Test Facility
View Facing Southwest
November 6, 2007



SWMU 354
DMSA C-409-01
View #2 Facing Southwest Behind Rollup Door
(NOTE: Inside structure shown above)
November 6, 2007



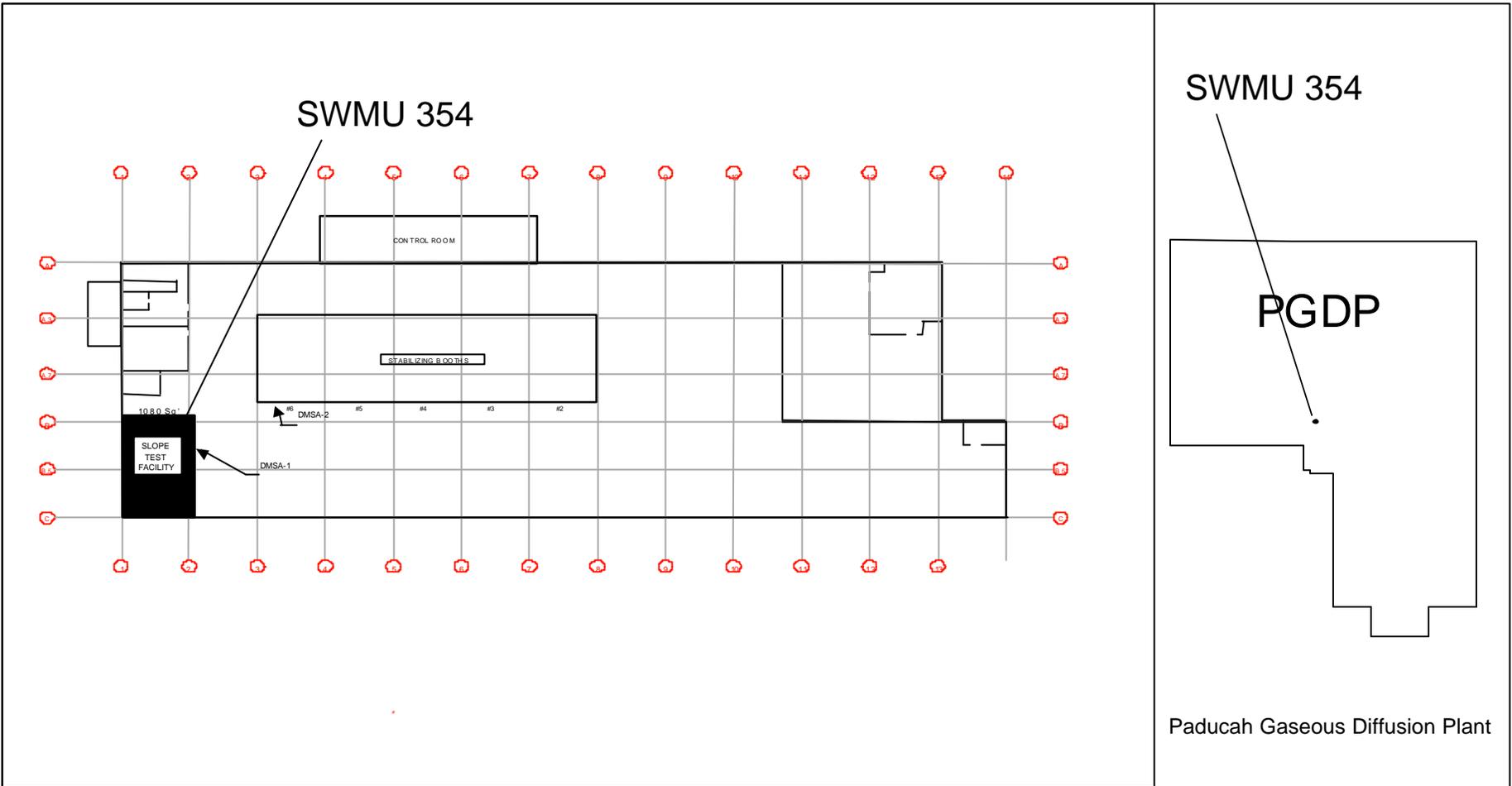
SWMU 354
DMSA C-409-01
View Facing West Behind Rollup Door
November 6, 2007



SWMU 354
DMSA C-409-01
View #2 Facing West Behind Rollup Door
November 6, 2007



SWMU 354
DMSA C-409-01
View #2 Facing Northwest Behind Rollup Door
November 6, 2007



C-409 Ground Floor - SWMU 354

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



Figure No. C-409-01-354
Date 11-21-00