

DMSA-337-24
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 557

DATE OF ORIGINAL SAR: 12/16/05

DATE OF SAR REVISIONS: 03/15/09

REGULATORY STATUS: SWMU

LOCATION: Located on the northeast side of the C-337 Building at columns U47-V47

APPROXIMATE DIMENSION OR CAPACITY: 306 ft²

FUNCTION: Temporary storage of materials

BRIEF HISTORY: In 1996, this area was deleased by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA). Eighty-eight drums of UF₄ were stored in this area. In 2005, the drums of UF₄ were declared a waste and then shipped to Bear Creek in Oak Ridge, Tennessee, for processing before shipping the drums to Envirocare in Utah for disposal. As source material within the meaning of the Atomic Energy Act, UF₄ is not a solid waste; however, during the processing of the drums, solid waste (e.g., floor sweep) was discovered in one of the drums.

The Final Inventory and Characterization Report (FI/CR) was submitted April 24, 2003, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on April 15, 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: 1996 to 2005

SITE/PROCESS DESCRIPTION: An inside DOE storage area located on the northeast side of the C-337 process building.

WASTE DESCRIPTION: The SWMU currently is empty. The LLW formerly stored included one drum of UF₄/floor sweep and fiberglass sheets. 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 1,553 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

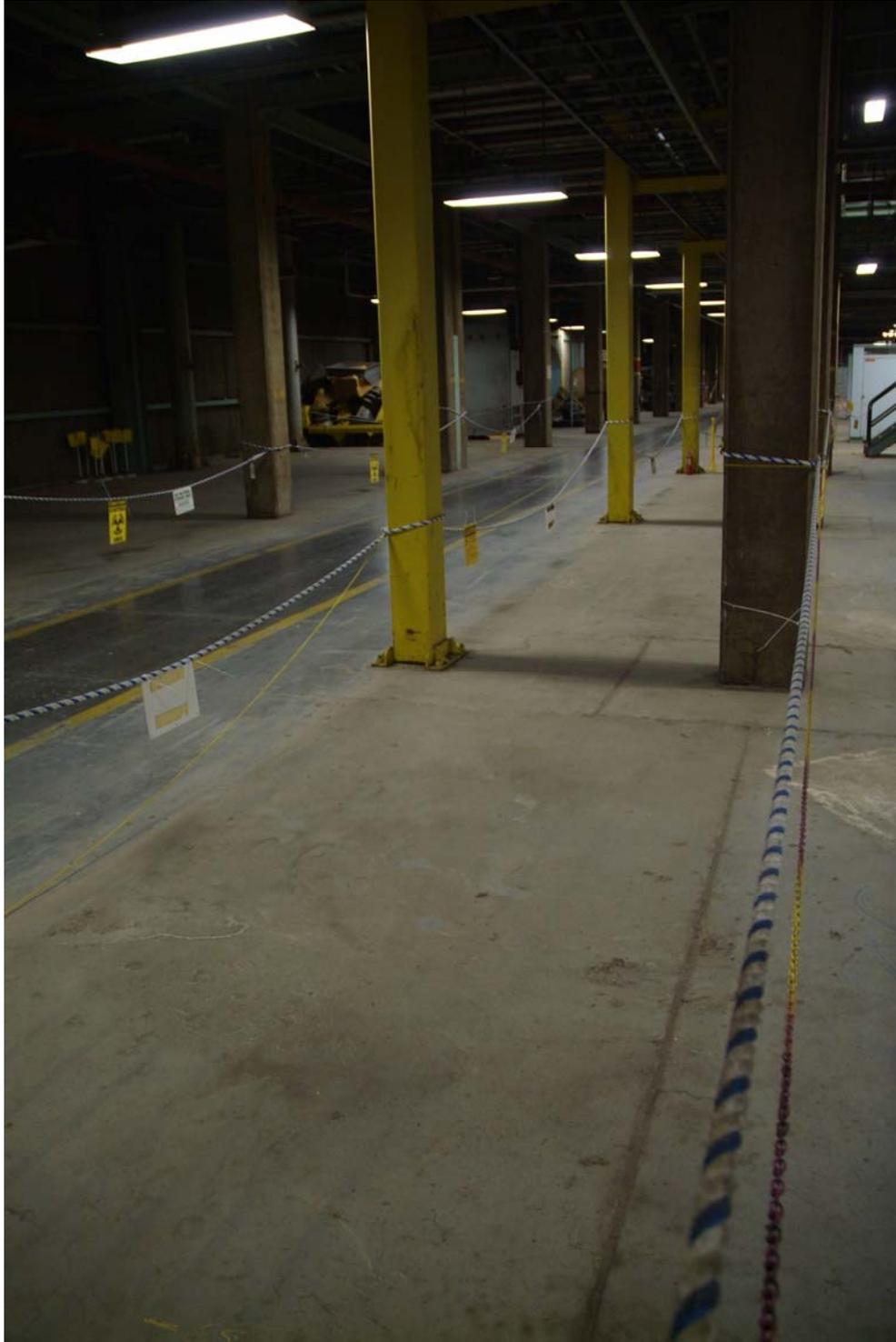
DOCUMENTATION OF NO RELEASE: No documents were identified indicating a spill or release at this unit.

IMPACT ON OR BY OTHER SWMU/AOC: There is no evidence that this SWMU impacts or is being impacted by other SWMUs.

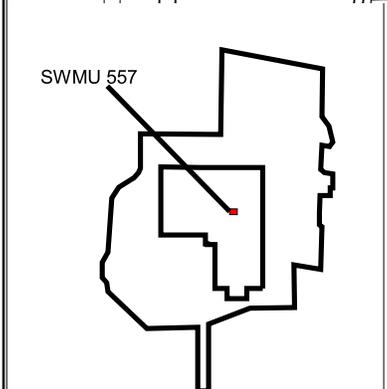
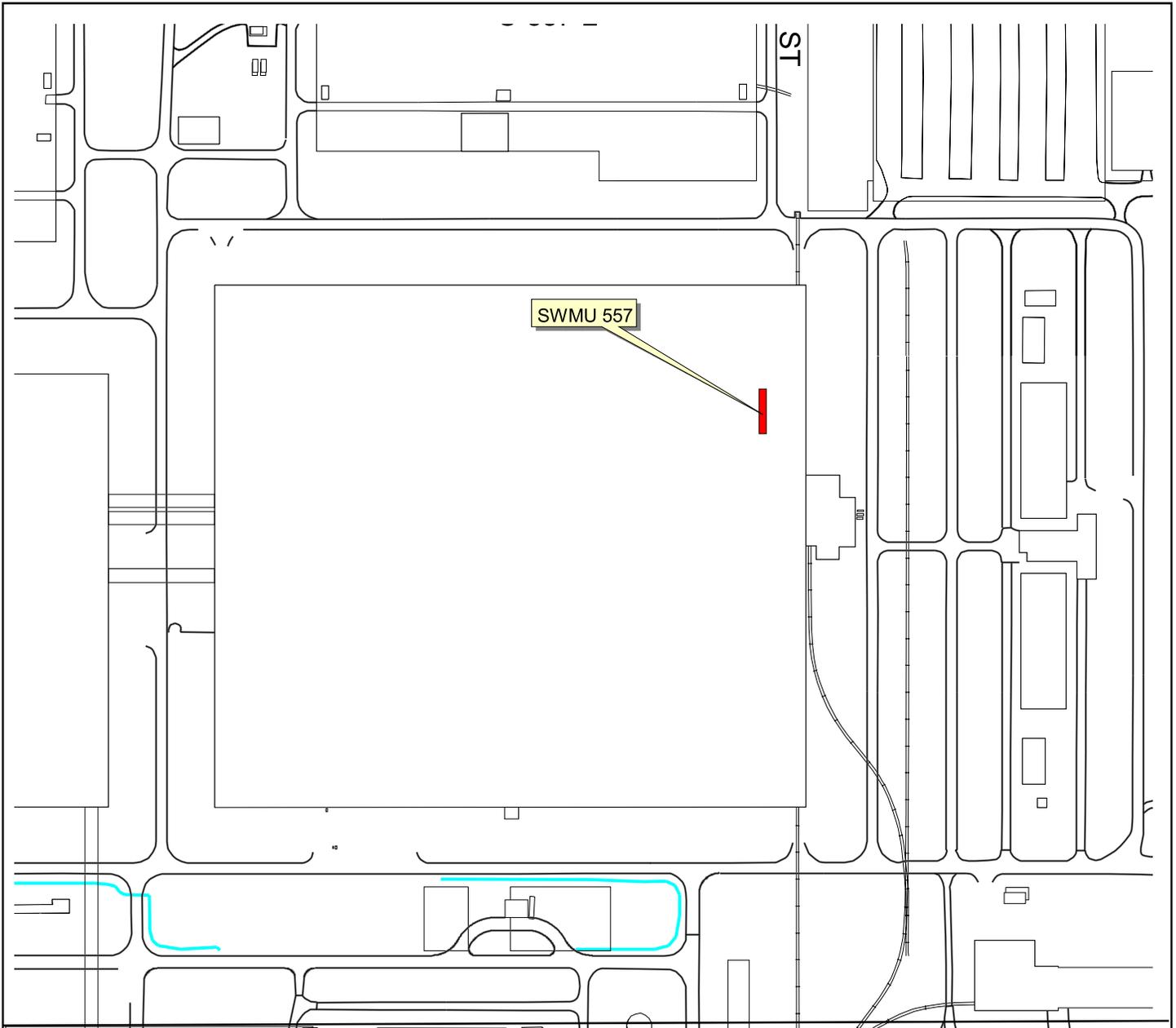
PRG COMPARISON: N/A

RFI NECESSARY: No. 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 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

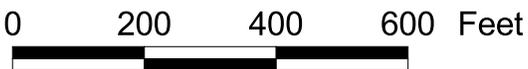


SWMU 557
DMSA C-337-24
View Facing South
October 17, 2007



LEGEND:

-  SWMU 557 Area
-  Buildings



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

SWMU 557 DMSA-337-24

