

**DMSA-337-22**  
**Solid Waste Management Unit (SWMU) Assessment Report**

**SWMU/AOC NUMBER:** 556

**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 process building at columns W47-X47

**APPROXIMATE DIMENSION OR CAPACITY:** 333 ft<sup>2</sup>

**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 drums of UF<sub>4</sub> were stored in this area. In 2005, the UF<sub>4</sub> drums 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, UF<sub>4</sub> is not a solid waste; however, during the processing of the drums, solid waste (e.g., floor sweep) was discovered in seven 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 low-level waste formerly stored included drums of UF<sub>4</sub>/floor sweep and a valve with metal piping. A detailed description of the characterized waste formerly stored in the SWMU can be found in the FI/CR.

**WASTE QUANTITY:** Currently 0 ft<sup>3</sup>; waste quantity removed 1,416 ft<sup>3</sup>

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

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:**

<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:** 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.

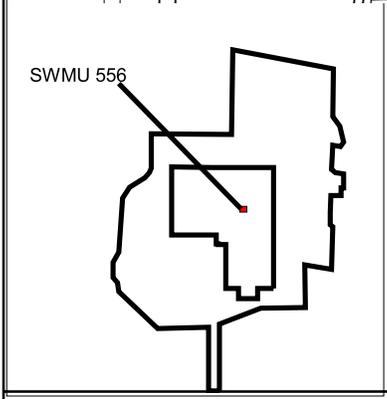
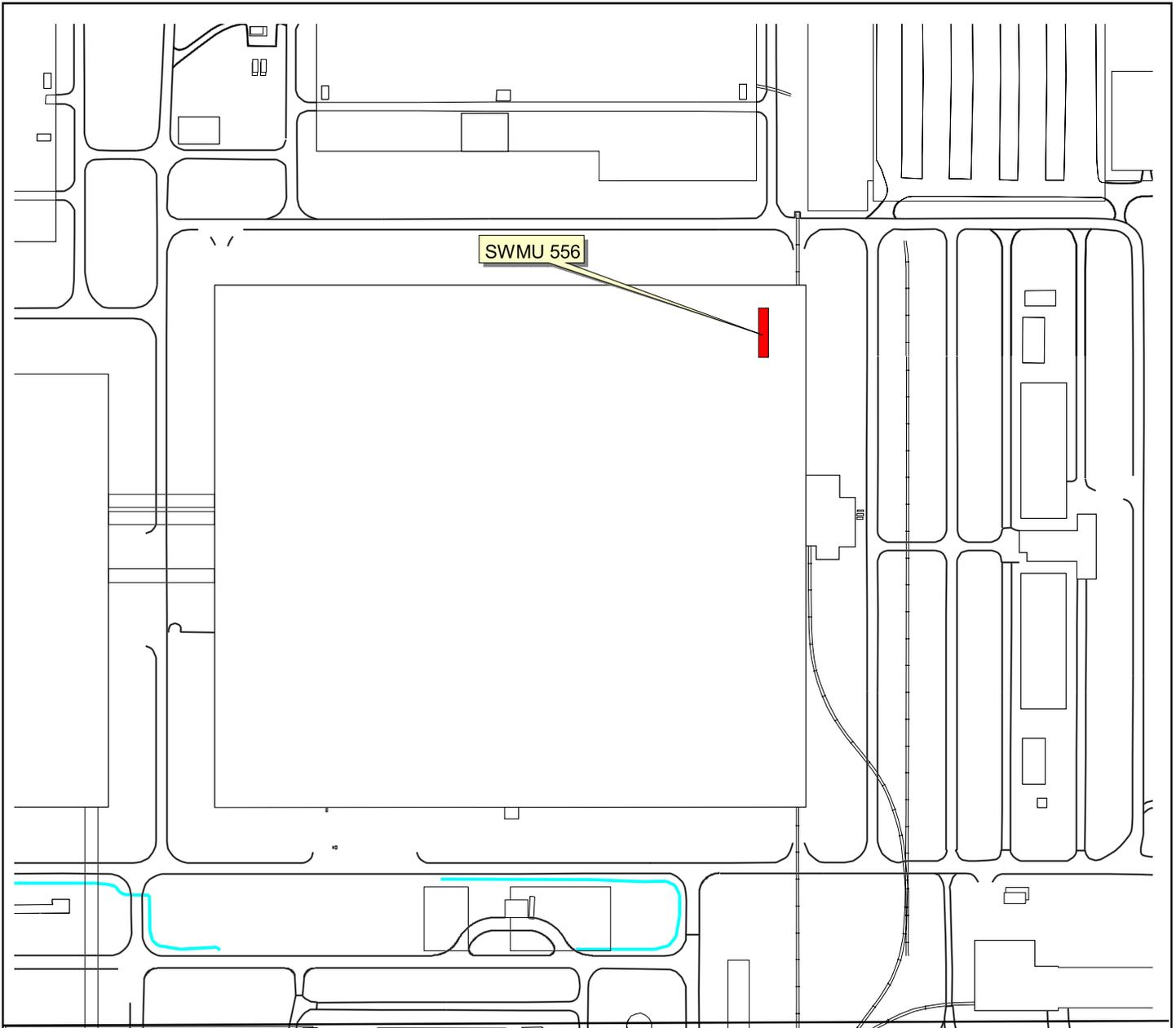
**PRG COMPARISON:** N/A

**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



DMSA C-337-22  
SWMU 556  
View Facing South  
September 6, 2007



LEGEND:

-  SWMU 556 Area
-  Buildings

0 100 200 Feet



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



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