

**REVISED**  
**PRELIMINARY ASSESSMENT/SITE INSPECTION REPORT**  
**AND SWMU ASSESSMENT REPORT**

**UNIT NUMBER:** 29

**UNIT NAME:** C-746-B Transuranic (TRU) Storage Area

**DATE:** Revised 03/11/05

**REGULATORY STATUS:** Solid Waste Management Unit (SWMU)

**LOCATION:** Eastern section of C-746-B Warehouse – Doors 1 & 2. See attached map.

**APPROXIMATE DIMENSIONS:** ~ 24,000 ft<sup>2</sup>

**FUNCTION:** Waste storage area

**BRIEF HISTORY:** As of January 4, 2005 the newly discovered waste removed from this area consists of one mercury vapor light bulb. This item was labeled as hazardous waste and placed into a Satellite Accumulation Area or Resource Conservation and Recovery Act permitted storage.

**OPERATIONAL STATUS:** Active

**DATES OPERATED:** 1980 to present

**SITE/PROCESS DESCRIPTION:** Storage area for drummed toxic substance control act (TSCA), low-level (LLW), and/or TRU wastes. The drums are placed on a pallet on the concrete floor of the building.

**WASTE DESCRIPTION:** Solids and liquids containing TSCA, LLW, Tc-99, and/or uranium.

**WASTE QUANTITY:** The building has a design capacity to hold ~27,700 ft<sup>3</sup>; however, the waste quantity is subject to change.

**SUMMARY OF ENVIRONMENTAL SAMPLING DATA:**  
N/A

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:**  
No spills or releases have occurred.

**GROUNDWATER:** N/A

**SURFACE WATER:** N/A

**SOIL:** N/A

**ECOLOGY AFFECTED** (i.e., endangered/threatened species):  
None

**DOCUMENTATION OF NO RELEASE:**  
Concrete floor of building prevents releases. No spills or releases are known to have occurred.

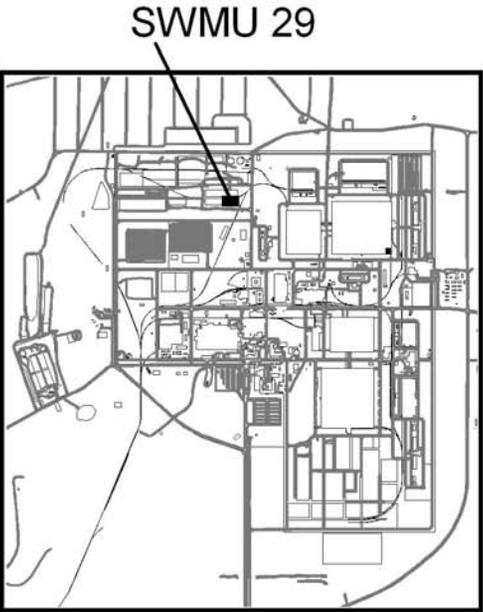
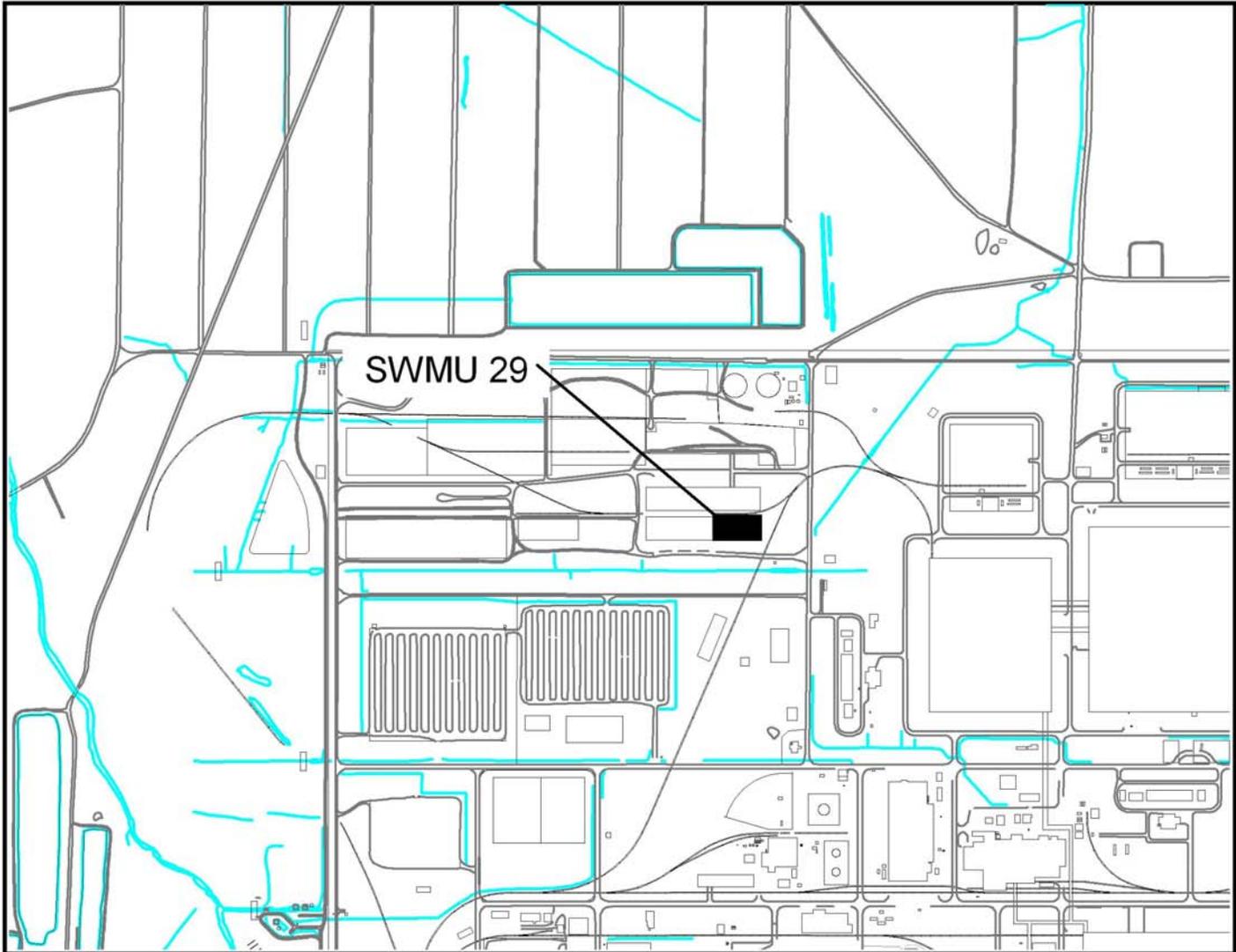
**IMPACT ON OR BY OTHER SWMU/AOC:**  
SWMUs 39, 43, and 471 are in close proximity.

**PRG COMPARISON:** N/A

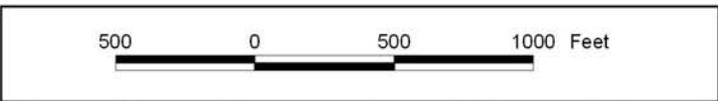
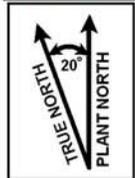
**RFI NECESSARY:** No. This area poses no threat to the human health and the environment. No spills or other releases to the environment from this area are known. This SWMU is included in Appendix A-2 of the Paducah RCRA Permit, which identifies SWMUs requiring No Further Action.



**SWMU 29, C-746-B TRU Storage Area  
February 2005**



**Paducah Gaseous Diffusion Plant**



**SWMU 29**

U.S. DEPARTMENT OF ENERGY  
DOE OAK RIDGE OPERATIONS,  
PADUCAH GASEOUS DIFFUSION PLANT

**JACOBS** **BECHTEL** **JACOBS COMPANY LLC**  
managed for the DEPARTMENT OF ENERGY under  
U.S. GOVERNMENT contract DE-AC-05-98OR227000  
Oak Ridge, Tennessee • Paducah, Kentucky • Portsmouth, Ohio

**TETRA TECH, INC.**  
800 Oak Ridge Turnpike, A-600 • Oak Ridge, Tennessee 37830  
(423) 483-9900 • FAX: (423) 483-2014 • www.tetrattech.com

FIGURE No. c5ac90000sk382.apr  
DATE 01-06-05