

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

**UNIT NUMBER:** 533

**UNIT NAME:** Trichloroethene (TCE) Spill Site from Historical TCE Unloading Operations at C-400

**DATE:** 5/10/02

**REGULATORY STATUS:** SWMU

**LOCATION:** SWMU 533 is located southeast of C-400 Building. See enclosed map for a detailed location of SWMU 533.

**APPROXIMATE DIMENSION:** 100' x 130'

**FUNCTION:** The area where SWMU 533 is located was used for unloading or off-loading TCE from rail cars or tankers.

**BRIEF HISTORY:** SWMU 533 is composed of a concrete pad, the pumping station, and an above ground storage tank for TCE. The off-loading pump station and associated piping were used to transfer or off-load TCE from railroad tank cars or tank trucks into an above ground storage tank (day holding tank).

**OPERATIONAL STATUS:** Inactive.

**DATES OPERATED:** Unknown.

**SITE/PROCESS DESCRIPTION:** The TCE off-loading pump station and associated piping were used to transfer or off-load TCE from railroad tank cars or tank trucks into an above ground storage tank.

**WASTE DESCRIPTION:** TCE.

**WASTE QUANTITY:** Unknown.

**SUMMARY OF ENVIRONMENTAL SAMPLING DATA:** Environmental sampling of soils and groundwater was completed as a part of the characterization of WAG 6 and is documented in the WAG 6 RI Report. High concentrations of TCE and its degradation products were found in soils. More specific information on concentrations is available in the WAG 6 RI Report.

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:**

Releases occurred from transfer/unloading operations from railroad tank cars and tank trucks to an above ground storage tank. Media affected include soils and groundwater. More specific information on concentrations is available in the WAG 6 RI Report.

**GROUNDWATER:**

Specific information on groundwater contamination in SWMU 533 is contained in the WAG 6 RI Report.

**SURFACE WATER:**

No surface water contamination linked to the release of TCE from the transfer/unloading operations.

**SOIL:**

Specific information on soil contamination in SWMU 533 is contained in the WAG 6 RI Report.

**ECOLOGY AFFECTED (i.e., endangered/threatened species):**

None.

**DOCUMENTATION OF NO RELEASE:**

The release is documented in the WAG 6 RI Report.

**IMPACT ON OR BY OTHER SWMU/AOC:**

SWMU 11 (TCE Leak Site) is located approximately 10-20 feet northeast of SWMU 533.

**PRG COMPARISON:**

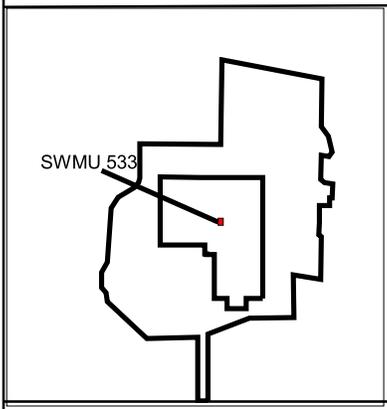
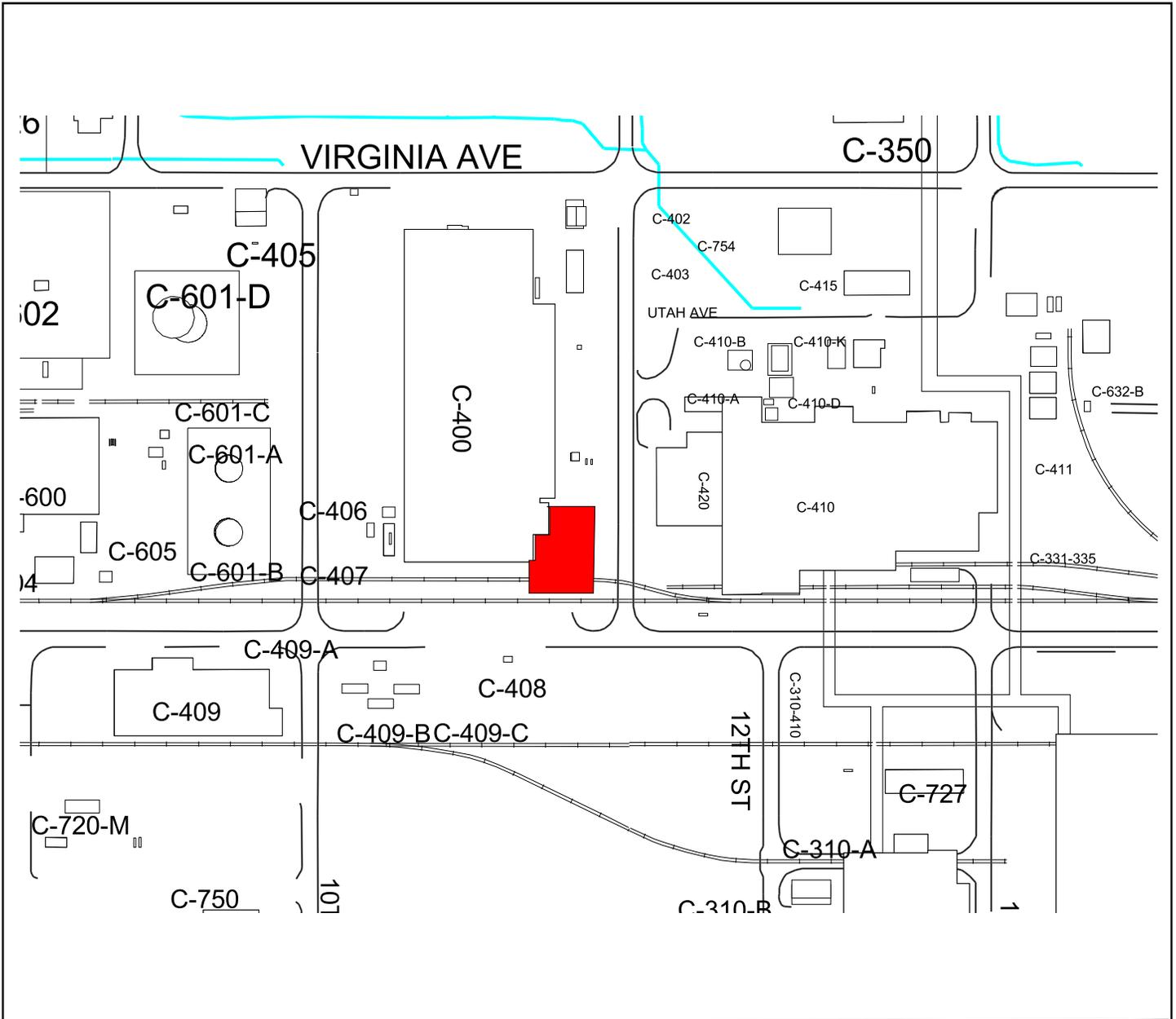
None.

**RFI NECESSARY:**

Yes. This is already included in the Groundwater Operable Unit as it is adjacent to the C-400 building.



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LEGEND:

- SWMU
- Buildings



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



BECHTEL JACOBS COMPANY LLC  
MANAGED FOR THE US DEPARTMENT OF ENERGY UNDER  
US GOVERNMENT CONTRACT DE-AC-05-98OR22700  
Oak Ridge, Tennessee • Paducah, Kentucky • Portsmouth, Ohio



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