

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

UNIT NUMBER: 502

UNIT NAME: C-410/420 Complex – Sump at Column U-9.

DATE: 12/20/01

REGULATORY STATUS: Solid Waste Management Unit (SWMU)

LOCATION: Sump located in the C-410/420 Complex at column U-9.

APPROXIMATE DIMENSION: NA

FUNCTION: Served as a moisture collection system in C-410.

BRIEF HISTORY: Facility blueprints indicate this location provides manhole access to drain piping system. The presence of open drain piping at base of manhole suggests no accumulation of liquids. Drainage destination is unknown. The manhole could not be physically located inside the building

OPERATIONAL STATUS: Inactive

DATES OPERATED: July 1953 to July 1964 and July 1968 to May 1977

SITE/PROCESS DESCRIPTION: The illustrated sump could have served as a draining point with no accumulation of liquid. This system is illustrated in one of the drawings of C-410. However, the system could not be physically located or identified by anyone that was interviewed.

WASTE DESCRIPTION: Waste consisted of water entering the area.

WASTE QUANTITY: NA

SUMMARY OF ENVIRONMENTAL SAMPLING DATA: NA

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: No releases from this SWMU have been documented.

GROUNDWATER: There are no known groundwater impacts from this SWMU.

SURFACE WATER: There are no known surface water impacts from this SWMU.

SOIL: There is no known impact on surface soils from this SWMU.

ECOLOGY AFFECTED (i.e., threatened/endangered species): No known impacts. No federal or state listed T&E plant or animal species have been identified. The federally endangered Indiana bat (*Myotis sodalis*) potentially occurs in the vicinity, but the C-410 complex does not provide a suitable habitat.

DOCUMENTATION OF NO RELEASE: NA

IMPACT ON OR BY OTHER SWMU/AOC: The following SWMUs are in the vicinity of the C-410/420 complex:

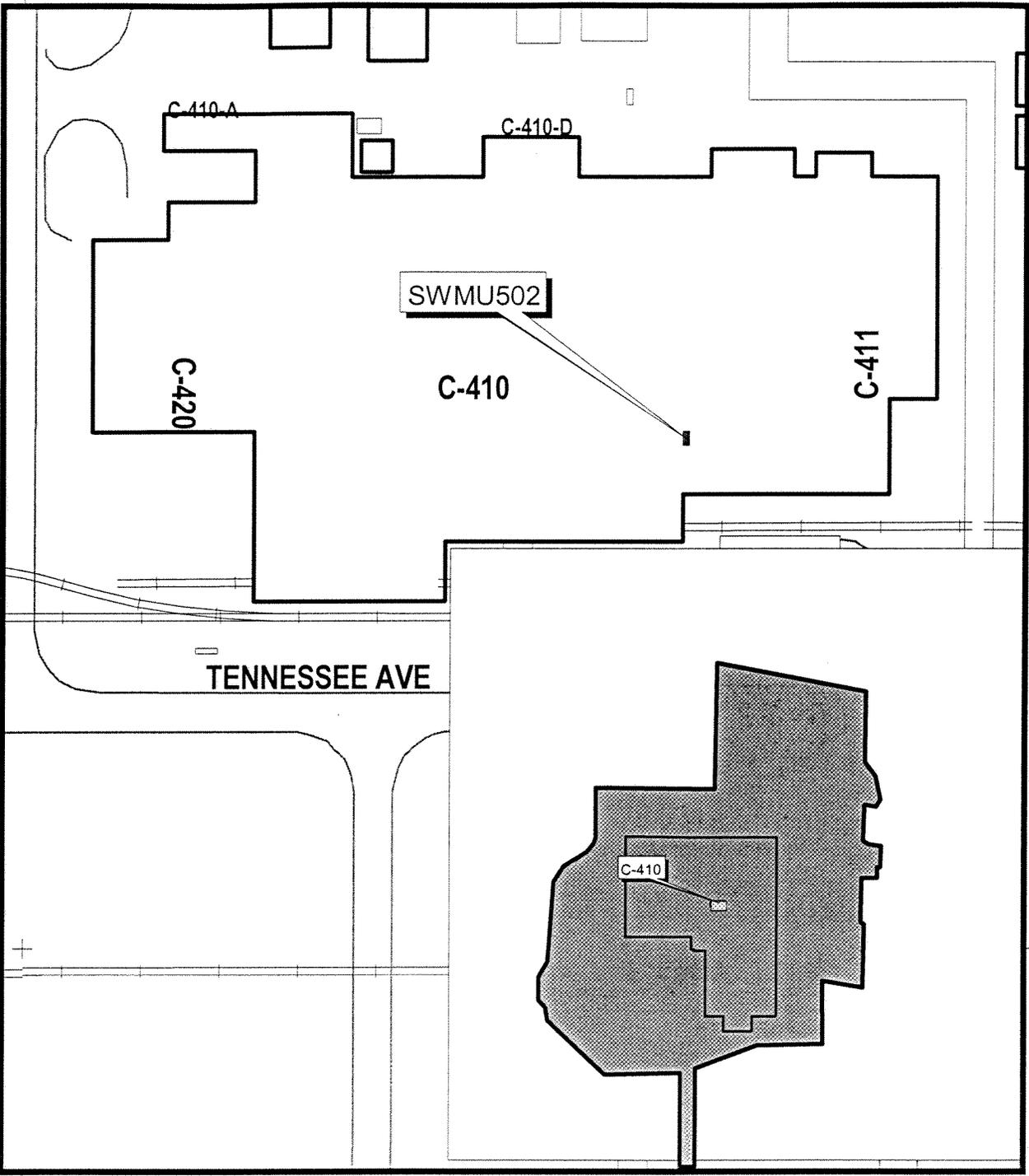
SWMU 11	SWMU 19	SWMU 20	SWMU 26
SWMU 40	SWMU 41	SWMU 47	SWMU 78
SWMU 169	SWMU 198	SWMU 203	

PRG COMPARISON: NA

RFI NECESSARY: This area is associated with an inactive facility that is included in the decontamination and decommissioning (D&D) program. Site evaluation work is underway at this time, along with planning associated with the infrastructure D&D phase. The need for a Remedial Investigation/Feasibility Study will be evaluated as part of the facility structure D&D phase.

NOTE: Elements included in this outline shall be considered and incorporated, as appropriate, when developing the above referenced document.

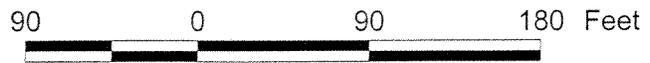
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U.S. DEPARTMENT OF ENERGY
DOE OAK RIDGE OPERATIONS
PADUCAH GASEOUS DIFFUSION PLANT

BECHTEL JACOBS
BECHTEL JACOBS COMPANY LLC
MANAGED FOR THE US DEPARTMENT OF ENERGY UNDER
US GOVERNMENT CONTRACT DE-AC-05-98OR22730
Oak Ridge, Tennessee • Paducah, Kentucky • Portsmouth, Ohio

SAIC
Science Applications
International Corporation
P.O. Box 2502
Oak Ridge, Tennessee 37831

SWMU 502 at C410.

FIGURE No. c5ac90001sk228.apr
DATE 12-28-01