

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

UNIT NUMBER: 501

UNIT NAME: C-410/420 Complex – Scale Pit Sumps A & B.

DATE: 12/20/01

REGULATORY STATUS: Solid Waste Management Unit (SWMU)

LOCATION: Sumps located in the C-410/420 Complex at column C-8.

APPROXIMATE DIMENSION: Two Sumps each 1ft x 1ft x 1ft.

FUNCTION: Served as a moisture collection system in the base of the scale pit area of C-410.

BRIEF HISTORY: Drawings indicate several recesses in scale pit floor, ostensibly to collect moisture and keep it away from load cells and other “at-risk” equipment. Recesses could not be visually verified due to overlying structures. No drainage system illustrated. Discharge destination is unknown.

OPERATIONAL STATUS: Inactive

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

SITE/PROCESS DESCRIPTION: Served as collection sumps in the Uranium Hexafluoride (UF₆) Scale Collection Pit.

WASTE DESCRIPTION: Waste consisted of liquid entering the scale pit area. The liquid most likely was water with uranium contamination present.

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): None

DOCUMENTATION OF NO RELEASE: NA

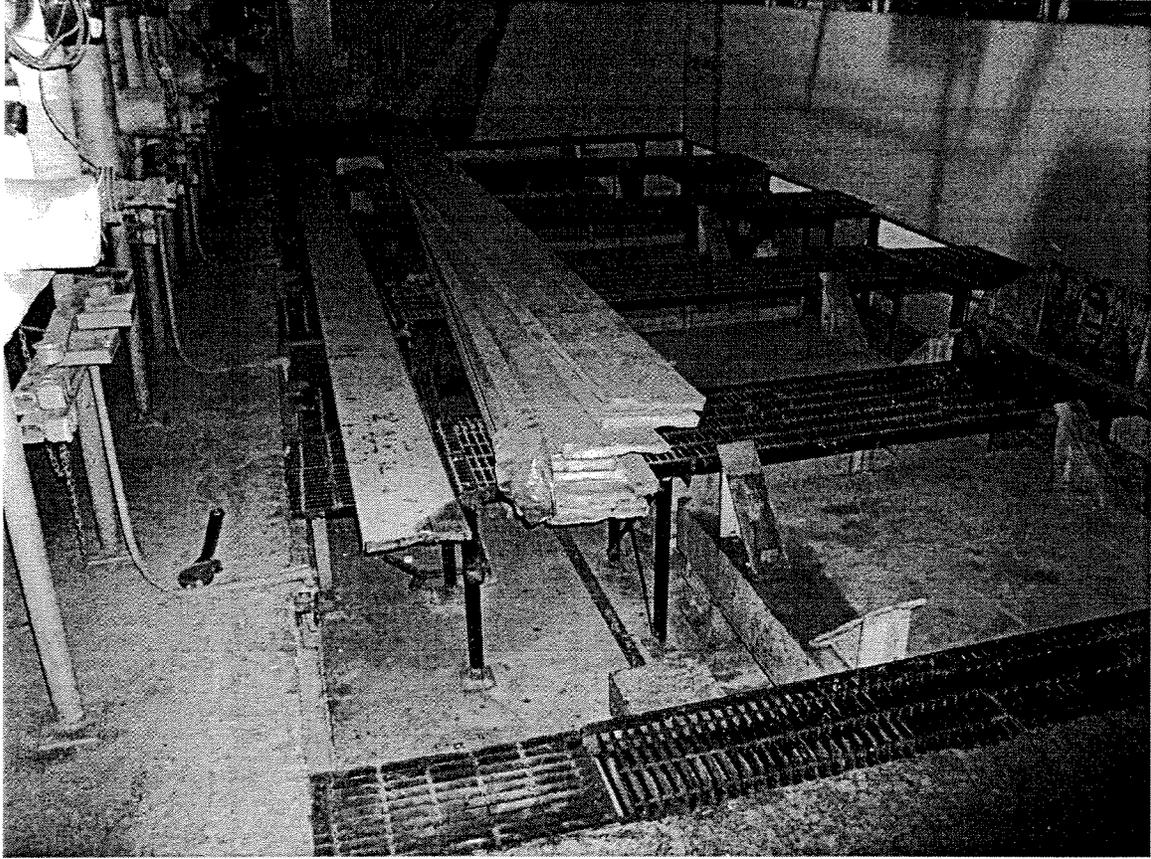
IMPACT ON OR BY OTHER SWMU/AOC: The following SWMUs are in the vicinity of the C-410/420 complex:

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

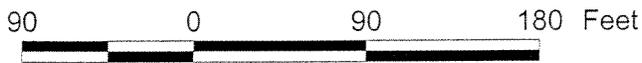
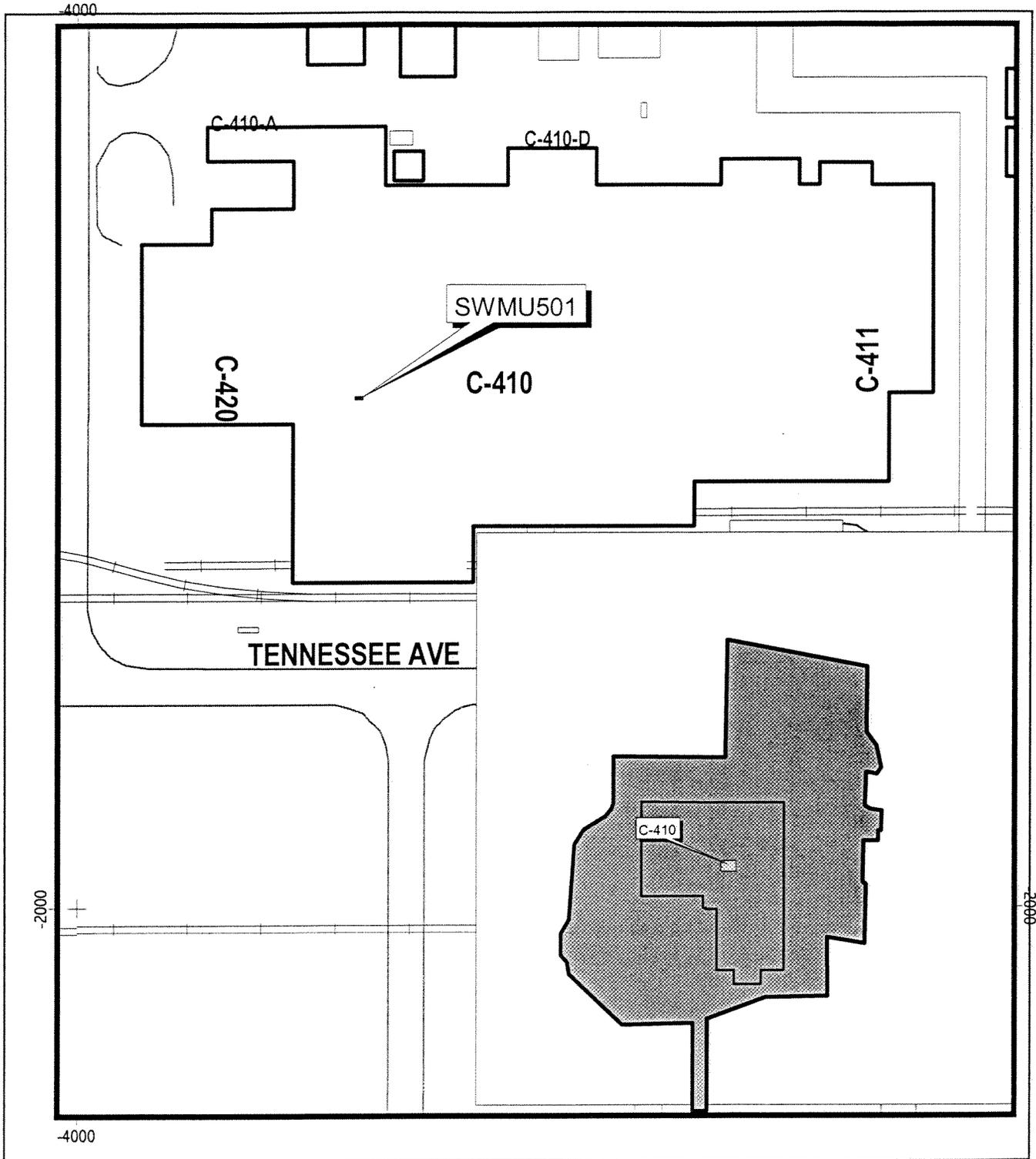
PRG COMPARISON: NA

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.



SWMU 501



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
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