

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

UNIT NUMBER: 529

UNIT NAME: C-340 Powder Plant Sump at Ground Floor Level

DATE: 12/20/01

REGULATORY STATUS: Solid Waste Management Unit (SWMU)

LOCATION: The sump is located in the C-340 Powder Plant on the ground floor level at column F-7.

APPROXIMATE DIMENSION: Approximately 6 ft x 10 ft x 6 ft.

FUNCTION: The sump served as a containment area to collect liquid in of the northeast end of the Powder Unit.

BRIEF HISTORY: The Powder Plant began operation in 1957 and operated intermittently until 1977.

OPERATIONAL STATUS: Inactive

DATES OPERATED: The facility was erected in 1957 with operations continuing until 1977. Final lockdown of the facility occurred in 1991. Decontamination and decommissioning (D&D) activities began in 1992.

SITE/PROCESS DESCRIPTION: The area may have been used to collect any water or spilled liquid in the powder unit.

WASTE DESCRIPTION: The sump served as a collection system and miscellaneous liquids could have accumulated in this area over time.

WASTE QUANTITY: There is no waste present.

SUMMARY OF ENVIRONMENTAL SAMPLING DATA: Environmental sampling has been performed for Waste Area Grouping (WAG) 8, DOE/OR/07-1867&D1, *Site Evaluation Report for Waste Area Grouping 8 at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, June 2000. WAG 8 includes the C-340 Building. The sampling included surface and subsurface soils. In addition, groundwater wells have been installed for WAG 8. Sampling of these wells is an ongoing activity.

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

GROUNDWATER: There are no groundwater wells in the immediate vicinity of the C-340 Building.

SURFACE WATER: No surface water samples from the immediate vicinity of the SWMU have been taken.

SOIL: No soil samples from the immediate vicinity of the SWMU have been taken.

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-340 complex does not provide a suitable habitat.

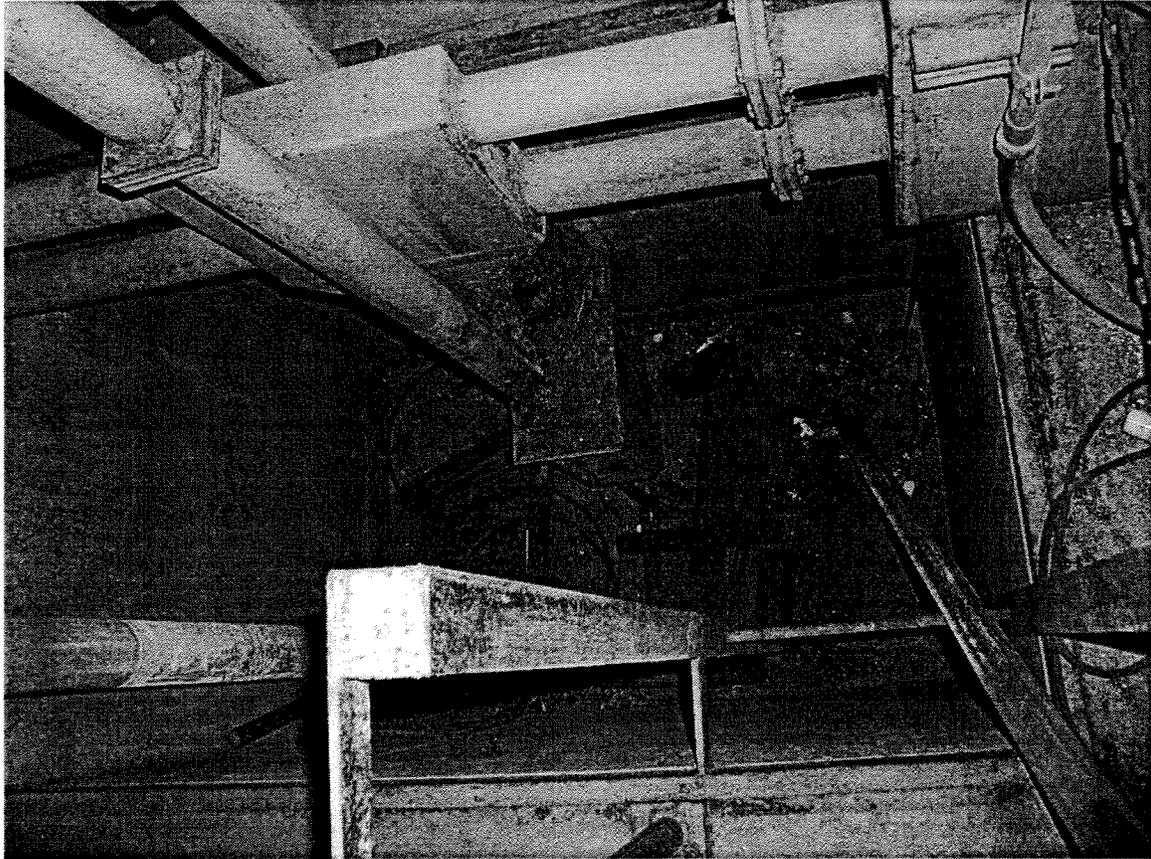
DOCUMENTATION OF NO RELEASE: None

IMPACT ON OR BY OTHER SWMU/AOC: SWMUs 56, 74, and 80 are located in the immediate vicinity of C-340. A hydraulic oil system, SWMU 101, is located inside C-340.

PRG COMPARISON: NA

RFI NECESSARY: This area is associated with an inactive facility that is included in the 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.

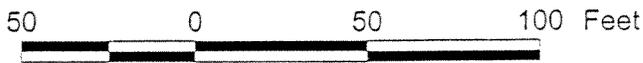
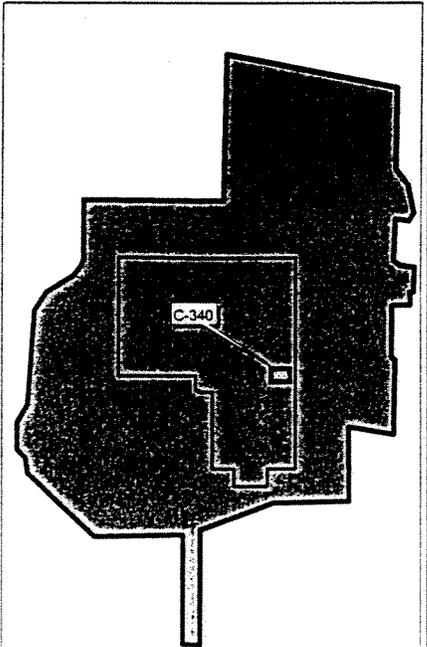


SWMU 529

OKLAHOMA AVE

SWMU529

C-340-
A,B,C



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-05-99OR21700
Oak Ridge, Tennessee • Paducah, Kentucky • Portsmouth, Ohio



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SWMU 529 at C-340

FIGURE No. c5ac90001sk242.apr
DATE 01-03-02