

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

UNIT NUMBER: 489

UNIT NAME: Septic tank north of the C-710 laboratory

DATE: 7/25/01

REGULATORY STATUS: SWMU

LOCATION: Septic tank approximately 275 ft. east of 10th Street and approximately 315 ft. north of the C-710 laboratory

APPROXIMATE DIMENSION: 8 ft. x 5 ft. x 5ft.

FUNCTION: A septic tank

BRIEF HISTORY: Per BJC personnel, this area was discovered as a result of a construction project for the DOE Material Storage Area trailers in the field north of the C-710 laboratory on June 1, 2001. During excavation, what appeared to be an abandoned septic tank was discovered. The tank, constructed of cement blocks and measuring approximately 8 ft. by 5 ft. x 5ft., appeared to have had the top removed, contents removed, and backfilled with sand prior to burial in place. Due to the construction materials and the manner it was constructed, it was presumed by BJC personnel that the septic tank was possibly associated with the original construction activities of the PGDP in the early 1950's. When the septic tank was uncovered, water was present in the interior of the tank from past rainfall events. A sample of the sand was obtained from the interior of the tank. The septic tank has been backfilled, compacted, and graded, and also has 9-10 in. of dense grade aggregate on top of the tank area. There is a 24 ft. by 60 ft. doublewide trailer placed above the septic tank.

OPERATIONAL STATUS: Inoperable

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| DATES OPERATED: | Unknown |
| SITE/PROCESS DESCRIPTION: | Septic tank. Per BJC personnel, it is believed that the septic tank served as part of the temporary housing or temporary construction buildings during the initial construction of the PGDP in the early 1950's. |
| WASTE DESCRIPTION: | Cement blocks and sand |
| WASTE QUANTITY: | Approximately 30 yd ³ |
| SUMMARY OF ENVIRONMENTAL SAMPLING DATA: | In May 2001, radiological surveys of this area and materials were performed. Results of this survey indicate no radiological contamination is present. Soil samples were obtained as part of the site characterization. Analytical data for the soil samples showed no results above background level. A sample of the sand showed no results above background. |
| DESCRIPTION OF RELEASE AND MEDIA AFFECTED: | NA |
| GROUNDWATER: | NA |
| SURFACE WATER: | NA |
| SOIL: | NA |
| ECOLOGY AFFECTED (i.e., endangered/threatened species): | NA |
| DOCUMENTATION OF NO RELEASE: | NA |
| IMPACT ON OR BY OTHER SWMU/AOC: | The following are some of the SWMUs that are in the locale of this facility: 142, 143, 487. |

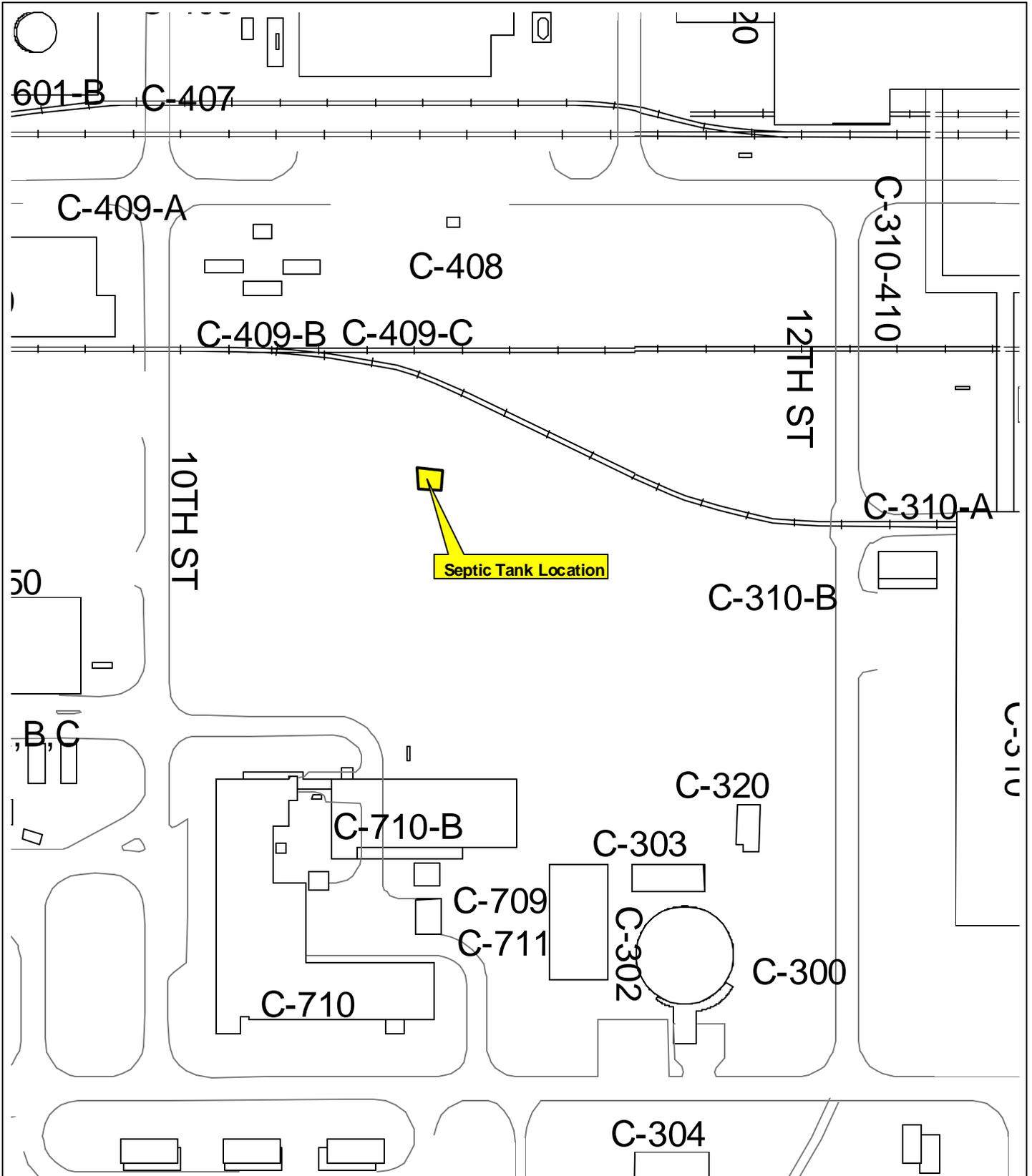
PRG COMPARISON:

NA

RFI NECESSARY:

No. There was no contamination associated with the septic tank. The construction materials of the septic tank do not pose a threat to human health and the environment. Analytical data does not indicate the presence of contamination.

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



LEGEND:

-  Septic Tank
-  Buildings

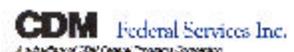
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U.S. DEPARTMENT OF ENERGY
DOE OAK RIDGE OPERATIONS
PADUCAH GASEOUS DIFFUSION PLANT



BECHTEL JACOBS COMPANY LLC
MANAGED FOR THE US DEPARTMENT OF ENERGY UNDER
US GOVERNMENT CONTRACT DE-AC-05-98OR22700
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SWMU 489 - Septic Tank



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