

UNIT NUMBER: 192

10/03/93

UNIT NAME: C-710 Acid Interceptor Pit

REGULATORY STATUS: SWMU

LOCATION: Basement of C-710 building, Room 23.

APPROXIMATE DIMENSION: 3 feet diameter by 4 feet deep.

FUNCTION: Neutralize acid effluent from laboratory activities.

OPERATIONAL STATUS: Inactive.

DATES OPERATED: Approximately 1951 thru 3/1/93.

SITE/PROCESS DESCRIPTION: The pit is below grade, lined with acid brick, and is located in the basement of C-710. Effluent from the metallurgy and metallography laboratories, discharged into the pit and allowed acids to neutralize prior to flowing to the sanitary sewer system.

WASTE DESCRIPTION: PCB (Aroclor 1248), 470 ppm; Carbon Tetrachloride (TCLP extract), 6.3 ppm; Trichloroethylene (TCLP extract), 200 ppm; Uranium (total), 161 pCi/g; Uranium (Assay), 0.26 wt.% U-235; Technetium-99, 36 pCi/g.

WASTE QUANTITY: 4- 55 gallon drums of waste were removed from the pit.

DESCRIPTION OF RELEASE: N/A.

DOCUMENTATION OF NO RELEASE: N/A

RFI NECESSARY: No Further Action - Closure of the pit was completed in less than 90 days, with all sludge being removed. A triple wash rinse was performed to clean PCBs. Based on clean closure and the construction of the pit, (pit construction - side walls are vitrified clay, base is an acid-proof membrane and 4.5 inches acid-proof brick, the complete unit is set in 8 inches concrete) no significant releases into the environment are expected. The source of contaminants was from metallurgy and metallography laboratory activities (rinsing/cleaning equipment, etc.) Please refer to the following documents for additional information: Interoffice Memorandum, 5/17/93; Internal Correspondence, 3/15/93, C. G. Giltner to P. D. Wooldridge; Interoffice Memorandum, 2/26/93; Internal Correspondence, 3/1/93, Marilew Bartling to Greg Herndon; Analytical data package, 23 pages; Drawings D2-2-M and D2-36-A.

RFI Necessary Recommendation revised to Yes per EPA Direction. This unit will be assigned to a WAG identified in Appendix A-5 of the HSWA permit.



