

UNIT NUMBER: SWMU 94

UNIT NAME: KOW Trickling Filter and Leach Field

REGULATORY STATUS: CERCLA

LOCATION: South of C-61 (WTP). Coordinates: South-5100, West-9100

APPROXIMATE DIMENSIONS: Approximately 75 ft. in diameter (Clarifier)

FUNCTION: Treatment of sanitary waste from KOW

OPERATIONAL STATUS: Inactive

DATES OPERATED: Approximately 1941-1945

SITE/PROCESS DESCRIPTION: The Kentucky Ordnance Works (KOW) was a TNT manufacturing plant operated by the U.S. Department of Defense (DOD) during World War II. The clarifier that is now on DOE property since the abandonment of the KOW plant was part of the KOW sanitary treatment system.

WASTE DESCRIPTION: Sanitary waste

WASTE QUANTITY: Unknown

DESCRIPTION OF RELEASE: A review of draft analytical data from preliminary soil sampling indicates six semivolatle organic polyaromatic hydrocarbon target compounds were detected at concentrations ranging from 28 to 380 ug/kg. Five tentatively identified semivolatle organic compounds, primarily alcohols and hydrocarbons, were detected at concentrations ranging from approximately 310 to 2100 ug/kg. There were no high explosives detected.

DOCUMENTATION OF NO RELEASE: N/A

RFI NECESSARY: This area is included in this PA because it is on DOE property. A preliminary site investigation is currently being performed at this site under the U. S. Army's Defense Environmental Restoration Program. All future response action at this site should be coordinated with the Department of Defense.