

UNIT NUMBER: 199

07/28/94

UNIT NAME: Big Bayou Creek Monitoring Station

REGULATORY STATUS: SWMU

LOCATION: Outside plant security fence, on the West Kentucky Wildlife Management Area at the intersection of West Boone Road and Big Bayou Creek.

APPROXIMATE DIMENSION: Approximately 8 feet wide by 8 feet long by 8 feet tall.

FUNCTION: Used until 1987 as part of the NPDES program to monitor surface water discharge from PGDP. Used as a storage area for monitoring equipment from 1987 until 1994.

OPERATIONAL STATUS: Inactive.

DATES OPERATED: Used as a monitoring station from 1976 to 1987. Stored monitoring equipment from 1987 to 1994.

SITE/PROCESS DESCRIPTION: In 1991 when the station was used for storage vandalism resulted in a mercury manometer being broken causing a mercury spill. The spill was cleaned up and IH monitoring verified the level of mercury in the air was below the NIOSH 10-hr TWA exposure limit of 0.05 mg/m³ (0.025 mg/m³). After the cleanup operations, the door of the monitoring station was welded shut to prevent access. The facility was evaluated in March and April of 1994 and it was determined to be a SWMU. An inspection of the facility identified the potential for mercury to have entered the environment through seams in the concrete floor or instrumentation lines.

WASTE DESCRIPTION: Mercury.

WASTE QUANTITY: Estimate of material spilled was 100 ml.

DESCRIPTION OF RELEASE: A manometer containing mercury was broken when the facility was vandalized. Cleanup operations were performed to remove the spilled mercury.

DOCUMENTATION OF NO RELEASE: N/A

RFI NECESSARY: Yes