

UNIT NUMBER: 185

02/22/93

UNIT NAME: C-611-4 Horseshoe Lagoon

REGULATORY STATUS: AOC

LOCATION: Outside plant security fence west side near C-611 Water Treatment Plant on DOE property.

APPROXIMATE DIMENSION: 80 feet long by 71 feet wide by 8 feet deep.

FUNCTION: Settling lagoon - used to receive sludge from C-611 Water Treatment Plant, when C-611-V is being dredged.

OPERATIONAL STATUS: Active

DATES OPERATED: 1985 - present

SITE/PROCESS DESCRIPTION: The lagoon is a U-shaped surface impoundment constructed by excavation into natural soil. It receives sludge produced by the lime-soda softening and ferric sulfate coagulation processes at the C-611 Water Treatment Plant, when C-611-V lagoon is taken out-of -service for dredging.

WASTE DESCRIPTION: Metals with lead being the main concern. Bulk lead concentrations ranged from 56.6 ppm to 815.0 ppm.

WASTE QUANTITY: Unknown - unable to estimate the amount of sludge that may be present in the lagoon.

DESCRIPTION OF RELEASE: Unknown - further characterization is required to determine characteristics of the sludge.

DOCUMENTATION OF NO RELEASE: N/A

RFI NECESSARY: YES - Due to the amount of information available, this unit should be included into a RFI. No drawings are available and the unit was last used in the 1986-87 time frame. This is the information available in the ER files.