

# CORRESPONDENCE/MEMORANDUM

STATE OF WISCONSIN

*file*

Date: July 25, 1979

File Ref: 3200

To: File

From: Mark Tusler *MT*

Subject: Stream Classification at Deer Park

The Deer Park STP was originally designed for a surface water discharge to a ditch that would flow into wetlands adjacent to the STP. The wetlands are tributary to the Willow River. The lagoons at the STP were not sealed and the seepage was such that the outfall pipe hasn't been used. The receiving water in the permit was changed to groundwater.

Since it is still possible to use the outfall pipe, effluent limits must be established for a surface water discharge. In a conversation with Terry Moe, he stated that he had investigated the potential receiving watercourse and at the time of our conversation, he was examining an aerial photograph of the area. It was his opinion that the watercourse would receive a marginal variance.

MT:k1

cc: Terry Moe - West Central District

DEER PARK, ST. CROIX COUNTY

Wastewater Receiving Stream Classification

Receiving Stream - Drainage area tributary to Willow River.

Location: SE  $\frac{1}{4}$ , NW  $\frac{1}{4}$ , Section 17, T31N, R16W.

The Deer Park treatment system is a three unit lagoon system. The first two cells are aerated lagoons with the third cell designed to act as a seepage unit.

The investigation and classification was performed to determine permit effluent limits in the event of future discharge.

At the time of inspection, the aerator in the first cell was operating; the aerator in the second cell was not in operation. Flow from the second to third cell was occurring and a circle of water 25 feet in diameter was present in the third cell. The discharge pipe from the third cell was approximately 15 feet above the water level.

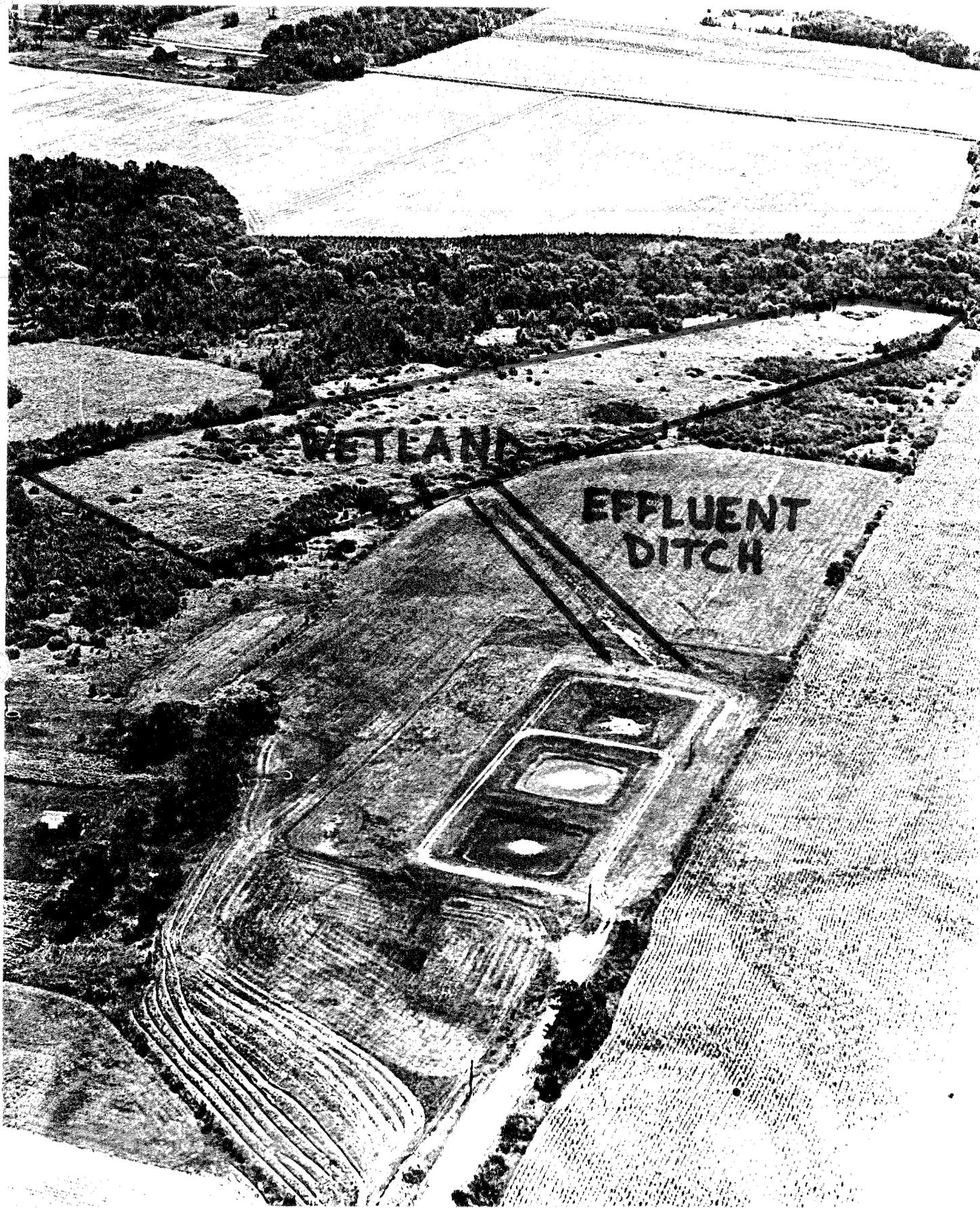
If overflow was to occur, it would go to a constructed ditch running through a forage field to type 6 - shrub swamp wetland (U. S. Fish and Wildlife Service, Circular 39, 1971) tributary to the Willow River, one-third mile away.

RECOMMENDATIONS

The overflow receiving area shall be classified as an effluent ditch. Beyond the forage field the shrub swamp shall be classified as a wetland.

EVALUATION DATE: October 7, 1976.

PERSONNEL: Terry A. Moe, Water Pollution Biologist, West Central District.



Aerial photo showing Deer Park treatment system and proposed discharge area.

