

Topic: Duffield Wastewater Lagoon Evaporator Report

Introduction:

This report provides information on the Duffield Wastewater Lagoon Mechanical Evaporator System.

Facts (Background Information):

The Duffield Wastewater Lagoon was built in 1998 to receive wastewater from Duffield, treat the wastewater and evaporate the water into the atmosphere.

Prior to the installation of the mechanical evaporator system, the water level was rising because the lagoon was filling at a faster rate than evaporation was occurring.

Hauling water from the lagoon was used as a temporary measure to lower the water level.

A mechanical evaporator system was installed and began operation in 2017.

Analysis:

Based on 2018 information, the mechanical evaporator system lowered the water levels at the Duffield Wastewater Lagoon.

The Duffield Wastewater Lagoon is regularly monitored for water level and water quality. 100% of the samples tested are within environmental regulations.

Alternatives:

The alternative of expanding the Duffield Wastewater Lagoon is cost prohibitive.

Conclusion/Summary:

The Duffield Wastewater Lagoon's mechanical evaporator system is successful in lowering the lagoon water level and maintaining environmental sustainability.

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Date written: November 25, 2018