

CASE STUDY

ENVIRO-AIRE Used in Power Plant's Replacement System

Northern Indiana

SYSTEM SPECIFICATIONS

40,000 GPD Wastewater Treatment System

INSTALLATION DATE

2018

PRODUCTS

ENVIRO-AIRE™ Package Wastewater Treatment Plant

DESCRIPTION

A coal-burning power plant located in Northern Indiana contracted Delta Environmental (now Infiltrator) to construct a steel extended aeration package plant to replace an existing older, undersized unit to treat domestic sanitary waste generated by plant employees.

A lift station was used as a collection basin that pumped the wastewater to the treatment system. A heavy duty grinder was installed at the receiving end of the plant to reduce particle size of incoming solid waste prior to entering the treatment train. The design included a flow equalization chamber to maintain consistent flow rates to the secondary treatment chamber during peak hours via time-dosed controlled duplex non-clog submersible pumps. Water levels were continuously monitored using a VEGAPULS liquid level radar system.

Infiltrator provided the lift station, steel package plant, ancillary equipment and controls for a turn-key package on this project.



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