



# CASE STUDY

## PROJECT NAME

Coal-Burning Power Plant  
Northern Indiana

## SYSTEM SPECIFICATIONS

40,000 GPD Wastewater Treatment System

## INFILTRATOR PRODUCTS USED

ENVIRO-AIRE Package Wastewater  
Treatment Plant

## INSTALLATION DATE

2018

## Coal-Burning Power Plant Replaces Dated Wastewater Treatment System with ENVIRO-AIRE Package Wastewater Treatment Plant

### SUMMARY

A coal-burning power plant located in Northern Indiana contracted Delta Environmentl 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.



**INFILTRATOR**  
water technologies

4 Business Park Road, Old Saybrook, CT 06475  
(800) 221-4436 • [info@infiltratorwater.com](mailto:info@infiltratorwater.com)