

# ALGAEWHEEL WWTP INSTALLATION

## TOWN OF UNIONDALE



The Algaewheel wastewater treatment plant for the Town of Uniondale replaced a constructed wetland system that was unable to meet ammonia-nitrogen and phosphorus limits that were added to the Town's NPDES permit by the Indiana Department of Environmental Management. The new plant includes an Algaewheel system, equalization, secondary clarifier, sludge holding, and UV disinfection. An existing 15,000 gallon septic tank was left in place to provide pretreatment to the new Algaewheel wastewater treatment plant. Effluent is discharged to the Wabash River, a tributary to the Ohio River.

Project Name	Town of Uniondale WWTP Improvements
Project Location	Uniondale, Indiana
Project Type	System replacement
Flow	Avg. Daily Flow 22,300 gpd Peak Daily Flow 42,420 gpd
Effluent Limits	10mg/l CBOD, 15mg/l TSS, 1mg/l NH3-N (summer), 3mg/l NH3 -N (winter), 1mg/l Phosphorus
Discharge	Treated water is surface discharged into the Wabash River
Completion Date	February 2019



Algaewheel exclusively from  
**ONE∞water**<sup>®</sup>  
Treatment redefined