

Cedar Creek Water Pollution Control Plant

By-pass Pump Keeps Plant Alive

Secondary Clarifier Supply to Reuse Piping



Cedar Creek Water Pollution Control Plant (Plant)) has been in operation since the early 1970's providing wastewater treatment for the residents located in Nassau County NY. The design capacity of this secondary treatment wastewater treatment facility is 72 MGD. A component of the processing system is the effluent screening and water reuse system that provides the last physical treatment of the wastewater before it is disinfected prior to its discharge to the Atlantic Ocean or recycled for use within the plant. The recycled effluent is reused in engine cooling, motile water for disinfection, polymer make up and dilution water, gravity belt thickening, belt press cleaning, HVAC cooling and wash down water.



New Effluent Disinfection System

Production of a high quality wastewater effluent combined with latest technology can set the table for multiple applications for reuse of the wastewater. Reuse of treated effluent conserves valuable groundwater resources by reducing the need for treated potable water. Reuse of treated effluent results in a significant savings of O&M costs thus reducing cost burden on system users.

Employing a by-pass pump to temporarily use the effluent directly from secondary clarifiers to feed the effluent recycle water piping during valve and strainer replacements allowed all equipment to use recycled effluent in lieu of potable water feed for the duration of the project



Main Engine/Generator Set



Effluent Reuse Process Piping



Gravity Belt Thickener

The by-pass pumping
plan saved
Nassau County
\$ 1 MILLION

Cedar Creek Water Pollution
Control Plant Effluent Screening
and Disinfection Facility
Improvements, Wantagh, NY

 CAMERON
ENGINEERING
Woodbury, NY