



Project Profile...



Austgen Biojet/Sanitaire

Town of Owego, NY
Wastewater Treatment Plant Upgrade

Facility Contacts: Superintendent: Mick Trivisonno, (607)625-2197
Chief Operator Jeff Parker, (607)687-3740
Engineer: Jim Suozzo, P.E. Delaware Engineering, P.C.
Contractor: Matt Centofante, Jett Industries, Inc.

Project Summary:

The existing trickling filter plant was aging and need of major repair. Flow from a nearby industrial facility was eroding the treatment performance of the Town facility. Delaware Engineering decided that a sequencing batch reactor (SBR) would offer the most economical solution. SBR technology combines activated sludge unit processes into one basin, therefore reducing plant size and simplifying operations and process control.

The Sanitaire/Austgen Biojet (ABJ) SBR system continuously accepts flow to the two treatment reactors. This unique design feature eliminates the need for flow equalization and complex influent diversion structures. In addition, loading is more evenly distributed among the two treatment reactors.

Plant Data:

Average Daily Flow :	848,000 gpd	Peak Dry Weather Flow:	1,400,000 gpd
BOD ₅ Influent:	561 mg/l	Peak Wet Weather Flow:	2,000,000 gpd
Suspended Solids Influent:	264 mg/l	BOD ₅ Effluent:	15 mg/l
Ammonia Influent:	122 mg/l	SS Effluent:	15 mg/l
		Ammonia Effluent:	15 mg/l

ABJ Intermittent Cycle Extended Aeration System (ICEAS)

- ↓# Two SBR Basins: 92'L x 60'W x 17'D
- ↓# Sanitaire Fine Bubble Membrane Diffusers – Full Floor Coverage
- ↓# Stainless Steel Decanter Mechanism
- ↓# Complete Motor Control Center and SCADA System
- ↓# Dissolved Oxygen Control System
- ↓# Influent pH Monitoring