



Project Profile...



Austgen Biojet/Sanitaire

Village of Sharon Springs, NY
Wastewater Treatment Plant Upgrade

Facility Contacts: Chief Operator: George Slater (518)284-2625
Engineer: Lamont Engineers
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Project Summary:

The existing Village treatment plant was in need of a major process upgrade. The engineer thoroughly evaluated alternatives, which led to the decision to design and construct a Sequencing Batch Reactor (SBR). Site conditions are ideal for an SBR – limited available space, and the need to minimize site work and yard piping.

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. The Sanitaire fine bubble diffusers minimize power requirements.

The Village of Sharon Springs now has a highly efficient, low maintenance treatment facility. Only part time operational attention is required to produce consistently high quality effluent.

Plant Data:

Average Daily Flow :	430,000 gpd	Peak Dry Weather Flow:	1,000,000 gpd
BOD ₅ Influent:	150 mg/l	Peak Wet Weather Flow:	1,500,000 gpd
Suspended Solids Influent:	150 mg/l	BOD ₅ Effluent:	10 mg/l
Ammonia Influent:	21 mg/l	SS Effluent:	10 mg/l
		Ammonia Effluent:	1.0 mg/l

ABJ Intermittent Cycle Extended Aeration System (ICEAS)

- ↓ # Sanitaire Fine Bubble Membrane Diffusers – Full Floor Coverage
- ↓ # Stainless Steel Decanter Mechanisms

- ↓ # Two SBR Basins:
78' L x 25' W x 15' D each
- ↓ # PLC-based operator interface