



Project Profile...



Village of Alfred, NY
Wastewater Treatment Plant
Disinfection Upgrade

Basis of Design Data

Average and Peak Design Flows	0.98 / 2.94 MGD
Total Suspended Solids (TSS)	less than 10 mg/l
Design Limit	200 Fecal [30 day geometric mean]
UV Transmission	65%

Facility Contacts

Chief Operator:	Skip Griffin (607)587-8374
Engineer:	Clark Patterson Associates
Contractor:	STC Construction, Inc.

System UV4000: Trojan Technologies, Inc.

Lamp Technology	Medium Pressure, Polychromatic Output
Peak Design	4 UV Modules 2 Lamps per Module 8 Total Lamps
Controls	Flow Proportion, Varying Lamp Output PLC Interface, UV Intensity Monitoring
Ballast Design	Electronic, One Ballast per Lamp
Lamp Cleaning	Automatic, Chemical and Mechanical
For More Information	Koester Associates, Inc. (315) 697-3800