

Wastewater and Sludge Treatment
Processes 4.500 m³/d ADF

Case Study Details

A new wastewater treatment plant (WWTP) was constructed for the Town of Mississippi Mills to meet an expanding population and more stringent effluent limits. The new WWTP includes extended aeration, tertiary filtration and UV disinfection.

H2FLOW EQUIPMENT INC. supplied a range of equipment for the new plant, including light stainless steel (SS) chain and flight mechanisms for the clarifiers, DynaSand[®] continuous backwash tertiary filters, a Trojan UV disinfection system, and a Fournier Rotary Press for dewatering digested sludge from the ATAD system.

The light SS chain has been proven to be a good, lightweight alternative to standard stainless steel chain and a straight replacement to plastic chain. The DynaSand[®] filters and UV disinfection system were installed to ensure the effluent total phosphorus and *E. coli* limits are consistently met. The Fournier Rotary Press is a continuous dewatering system that provides consistent cake dryness and good solids capture. The Rotary Press has a number of advantages compared to other dewatering systems, including ease of operation, lower maintenance requirements and lower energy use.

Engineering Consultant: Genivar

Installation Contractor: North American Construction

Start-Up: 2012