Municipal Organics Processing
Toronto, Ontario
Wastewater Treatment System

H2Flow DAF Unit and Pipe Flocculator

Case Study Details

This municipal organics processing facility was in the process of expanding the water and wastewater treatment system. The existing Sequencing Batch Reactor (SBR) system was overloaded, and the City requested H2Flow to provide a Dissolved Air Flotation (DAF) pilot unit to determine if the DAF process would be a good fit to solve the problem.

With the parameters provided by the client, a full treatment package was installed which included a DAF unit with hydraulic capacity of 60 m^3/hour, recirculation pump and recirculation flowmeter, pipe flocculator of 20 m^3/hour nominal capacity and pH bypass loop, pH and turbidity sensors, and PLC controls.

A DAF pilot supplied by H2Flow was tested at first and worked, and based on the testing results, the city proceeded with a full-scale system. The project was delivered on time, working within a very tight delivery schedule.

Start-Up: January 2019

H2Flow Ref: Q-007-18