

DAF Treatment System Upgrade



Case Study Details

PARAMETER	CITY LIMIT
Oil and Grease (animal/vegetable) in water	< 150
Oil and Grease (mineral) in water	< 15
Total Suspended Solids (TSS)	< 350
pH	6.0 – 11.5

The customer, Via Rail Canada, required a wastewater treatment system upgrade after their existing system was aging and beginning to deteriorate. H2Flow replaced the old system with a new DAF and a sludge dewatering press to reduce sludge hauling costs. The City of Toronto sewer discharge limits were met during construction by implementing a temporary, containerized treatment system, also supplied by H2Flow.

H2Flow provided an Alpha 10 DAF with all new feed pumps, chemical dosing, control system, and sludge dewatering press. The system treats up to 10 m³/h of oily wastewater generated from train washdown at the Via Rail Toronto Maintenance Centre to comply with the city discharge limits.

Start-Up: October 2018