

Leachate Treatment DAF System 10m³/hr



Case Study Details

	INFLUENT	EFFLUENT
TSS	5070 mg/l	63 mg/l

A containerized system was installed at a landfill in Ontario intended for solids removal. Dissolved Air Flotation (DAF) was used to remove solids before discharging to a membrane filtration system. The DAF was able to remove over 98% of the TSS, preventing plugging of the membrane, and producing a clean effluent meeting the discharge requirements.

The system consists of a Dissolved Air Flotation unit, chemical feed system, flow meter, inline pipe flocculator, sludge pump, and control panel. The components are all pre-piped, pre-wired, pre-programmed and installed within a 20' Shipping container with heating to withstand the cold Canadian winters.

The containerized DAF system is designed for quick 'plug-and-play' operation with all inlet and outlet connections built with easy to use cam-lock connections.

Start-up: November 2019