

SYSTEM STUDY: Sweeteners Plus Inc. – New York



FAST FACTS

Project:

- ✓ bioFLOW UF MBR System for Sweeteners Manufacturer

Industry:

- ✓ Food & Beverage

Application:

- ✓ Biochemical Oxygen Demand (BOD) Removal
- ✓ Total Suspended Solids (TSS) Removal
- ✓ Water Reuse

bioFLOW MBR System Benefits/Highlights:

- ◆ Efficient reduction of BOD
- ◆ Fully automated MBR process
- ◆ Low energy consumption
- ◆ High flux rates – small footprint
- ◆ Easy to operate and maintain

Problem:

The Sweeteners Plus Facility was experiencing high concentrations of soluble BOD and needed a robust wastewater treatment system to achieve compliance with the local municipality and water reuse for truck washing.

Solution:

bioprocessH2O supplied a bioFLOW UF (Ultrafiltration) Membrane Bioreactor (MBR) wastewater recycling system sized and designed for the treatment of the facilities process water. A filtered water storage tank was provided to collect the UF permeate from the bioFLOW MBR System for water reuse or overflow to the municipal sewer.

Status/Results:

The bioFLOW UF MBR System effectively reduces the BOD and TSS levels down to regulatory standards and effluent requirements for water reuse and/or discharge to the sewer drain.

System Design Criteria:

Parameter	Influent	Effluent
Wastewater Flow	10,000 GPD	-
BOD	<13,000 mg/L	<30 mg/L
TSS	<1,000 mg/L	<30 mg/L

Contact bioprocessH2O today!

