

SYSTEM STUDY: KanPak – Penn Yan, NY



FAST FACTS

Project:

- ✓ bioFAS™ MBBR System for Food Production and Packaging Plant

Industry:

- ✓ Food & Beverage

Application:

- ✓ Biochemical Oxygen Demand (BOD) Removal

Problem:

The existing DAF was not providing adequate pretreatment prior to discharge to the local municipality. To stay in compliance with discharge permits for soluble BOD and TSS, installation of new DAF units and biological treatment system were required.

Solution:

bioprocessH₂O supplied two DAF units and a single stage bioFAS™ MBBR biological treatment process to reduce BOD at varying flow and organic loading rates.

Status/Results:

The bioFAS™ MBBR System effectively removes BOD by >90% and easily meets the discharge permit requirements. The system is able to operate with minimal operator attention and oversight. Additional details can be provided by bioprocessH₂O.

bioFAS™ MBBR System Design Criteria:

Parameter	Influent	Effluent Requirements
Wastewater Flow	216,000 GPD	-
BOD ₅	3,000 mg/L	<300 mg/L
TSS	500 mg/L	<300 mg/L

SYSTEM

BENEFITS/HIGHLIGHTS:

- ◆ Efficient reduction of BOD
- ◆ Ideal for high and varying loads
- ◆ Compact footprint
- ◆ Simple operation and maintenance

Contact bioprocessH₂O today!

