

SYSTEM CASE STUDY: Monogram Foods – Virginia



FAST FACTS

Project:

- ✓ bioFAS™ MBBR System for Food Production Waste

Industry:

- ✓ Food & Beverage

Application:

- ✓ Nitrification of Ammonia

Problem:

Monogram Foods, manufacturer and distributor of processed meats, snacks, and appetizers, was experiencing high concentrations of ammonia in their wastewater and needed a robust wastewater treatment system to maintain compliance with the local municipality.

Solution:

bioprocessH₂O supplied a bioFAS™ MBBR Equipment Package sized and designed for the nitrification of ammonia.

Status/Results:

The bioFAS™ MBBR Treatment System effectively reduces the ammonia levels down to regulatory standards and effluent requirements for discharge to the sewer drain and local municipality.

System Design Criteria:

Parameter	Influent	Effluent
Wastewater Flow	200,000 GPD	-
BOD	200 mg/L	≤250 mg/L
Total Suspended Solids	<100 mg/L	≤250 mg/L
TKN	115 mg/L	-
Ammonia	100 mg/L	≤20 mg/L

bioFAS™ MBBR System Benefits/Highlights:

- ◆ Efficient reduction of BOD
- ◆ Ideal for high and varying loads
- ◆ Cost-effective
- ◆ Compact footprint & modular
- ◆ Easy to operate & maintain

Contact bioprocessH₂O today!

