

SYSTEM CASE STUDY: Covanta (Advanced Waste Services) - Indiana



FAST FACTS

Project:

- ✓ bioFAS™ MBBR System for Centralized Waste Treatment Facility

Industry:

- ✓ Centralized Waste Treatment

Application:

- ✓ Chemical Oxygen Demand (COD) Removal
- ✓ Biochemical Oxygen Demand (BOD) Removal
- ✓ Total Suspended Solids (TSS) Removal

bioFAS™ MBBR System Benefits/Highlights:

- ◆ Efficient reduction of BOD, NH₃
- ◆ Ideal for high and varying loads
- ◆ Cost-effective
- ◆ Compact footprint & modular
- ◆ Easy to operate & maintain

Problem:

Covanta (formally Advanced Waste Services) was experiencing high concentrations of COD/BOD in their waste stream that is hauled in for onsite treatment. The plant was not able to meet the effluent discharge requirements set forth by the local municipality.

Solution:

bioprocessH₂O supplied a bioFAS™ MBBR biological treatment process designed for COD/BOD reduction. The self-regulating biofilm process simplified system operations while meeting compliance standards.

Status/Results:

The bioFAS™ MBBR Treatment System effectively reduces the COD to compliance standards for discharge to the local municipality.

"Your people were instrumental in getting the WWT part of our business at this plant back to profitability. The true definition of a PARTNERSHIP. We simply can't Thank you and your staff enough for the great support" – Plant Manager

System Design Criteria:

Parameter	Influent	Effluent
Wastewater Flow	42,000 GPD	-
COD	≤15,000 mg/L	≤3,100 mg/L
BOD	5,000 mg/L	NA
TSS	300 mg/L	< 250 mg/L

Contact bioprocessH₂O today!

