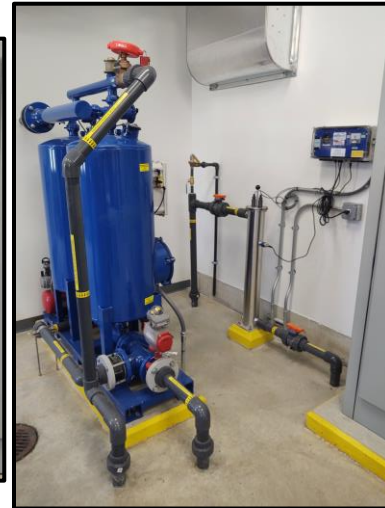


SYSTEM CASE STUDY: Pine Brook Country Club, MA



FAST FACTS

Project:

- ✓ bioFAS™ IFAS Packaged System for sanitary wastewater treatment

Site:

- ✓ Golf Course & Country Club

Treatment Requirements:

- ✓ Biochemical Oxygen Demand (BOD), TSS & Total Nitrogen Removal and Disinfection

Problem:

Pine Brook Country Club in MA was in need of a new onsite wastewater treatment system to meet stringent Permit limits for groundwater discharge.

Solution:

bioprocessH2O supplied a bioFAS™ Integrated Fixed Film Activated Sludge (IFAS) Equipment Package that allow for below grade installation providing good esthetics as the system was installed adjacent to the golf course and putting green.

Status/Results:

The bioFAS™ IFAS Treatment System effectively reduces the BOD and total nitrogen levels below regulatory standards and effluent requirements for discharge to the soil adsorption system.

System Design Criteria:

Parameter	Influent	Effluent
Wastewater Flow	8,000 GPD	-
BOD	800 mg/L	<20 mg/L
TSS	250 mg/L	<20 mg/L
Total Nitrogen	65 mg/L	<10 mg/L
Fecal Coliform	TNTC	<100 MPN/100 mls

bioFAS™ IFAS System Benefits/Highlights:

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

Contact bioprocessH₂O today!

