

## SYSTEM CASE STUDY: Potato Products of Idaho



### FAST FACTS

#### Project:

- ✓ bioFAS™ MBBR System for potato production plant

#### Industry:

- ✓ Food & Beverage

#### Application:

- ✓ Biochemical Oxygen Demand (BOD) Removal

#### Problem:

Potato Products of Idaho needed a robust wastewater treatment system to maintain compliance with the new discharge permit regulations.

#### Solution:

bioprocessH<sub>2</sub>O supplied a bioFAS™ MBBR Equipment Package sized and designed for Biochemical Oxygen Demand (BOD) removal to offset organic loading to the municipal wastewater treatment plant.

#### Status/Results:

The bioFAS™ MBBR Treatment System effectively reduces the BOD concentration to meet the effluent discharge requirements.

#### System Design Criteria:

Parameter	Influent	Effluent
Wastewater Flow	64,800 GPD	-
BOD	2,500 mg/L	≤200 mg/L
Total Suspended Solids	<500 mg/L	≤140 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 bioprocessH<sub>2</sub>O today!**

