

PROJECT EXPERIENCE

CLIENT

Burnette Foods

New Era, Michigan

APPLICATION

Vegetable Processing

CAPACITY

430,000 GPD

YEAR COMMISSIONED

2016



When Burnette Foods' existing Biological Aerobic System became difficult to operate due to overloading conditions, they decided to add an Anaerobic Pretreatment System ahead of it to provide a smoother operation and allow for additional future production capacity. The core technology for this upgrade project was a High Rate Anaerobic Granular Sludge Bed system, UASB.

TPS served as the Process & Controls Integrator for the Design/Build team. We provided Engineering Services and all of the Balance-of-Plant equipment to support this fast-tracked installation, including:

- Custom engineered Heat Exchanger Skid
- Dual Boiler Skid
- Odor Control System
- Various Pumps & Mixers
- Instrumentation & Control Valves
- Detailed Sequence of Operations (SOO)
- Complete PLC/HMI Automation Package
- Motor Control Center (MCC)
- Double-walled Bulk Chemical Storage Tanks
- Chemical Feed Systems
- Biogas Flare
- Start-up Commissioning

