

## Case Study #06

- Client Category:** Food Manufacturing and Serving Facilities
- Location:** Orlando, Florida, USA
- Physical Plant:** Seven Locations. Four have 1500 gallon holding tanks and three have 500 gallon tanks. Effluent waste stream is from the tanks only.
- Flow:** 8,000-10,000 gallons per day.
- Problem:** High BOD in excess of 2,000 mg/L. High TSS in excess of 1200 mg/L. FOG exceeding the 100 mg/L limit. The temperature in the tanks was elevated above average at 150° F.
- Previous Treatment:** Pumping the tanks every 30 days and dumping it in a landfill.
- Previous Results:** BOD decreased to 1400 mg/L average. Backups into the preparation areas were common and sewer odors were emitted each time the waste was pumped.
- Custom Treatment:** 6 gallons of **Custom FM** were added to each 1500 gallon tank each day and 4 gallons of **Custom FM** were added to each 500 gallon tank each day.

### Custom Results:

	BEFORE	AFTER
BOD mg/L	2012	413
FOG mg/L	> 100	55
TSS mg/L	1200	292