

## Meat Processing Case Study 1

A Florida meat processing plant struggled to keep its wastewater discharge within municipal regulatory limits. The plant processed a variety of deli and prepackaged meats. As a result the plant regularly incurred spikes in BOD and TSS that cost the plant thousands of dollars in municipal wastewater surcharge fees.

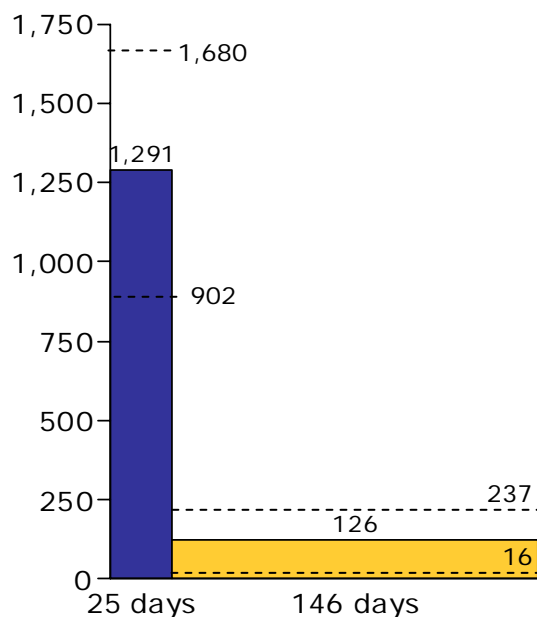
The plant needed to enhance its onsite wastewater treatment program to reduce the soluble BOD and TSS levels and variability. Five BioAmps were installed on the main line leading directly to the pH equalization tank. The BioAmps pumped 155 trillion bacteria into the plant's wastewater treatment system each day.

**The BioAmp significantly reduced BOD and TSS levels, keeping the plant safely below the 250 ppm municipal surcharge limit and saving it thousands of dollars in annual surcharges**

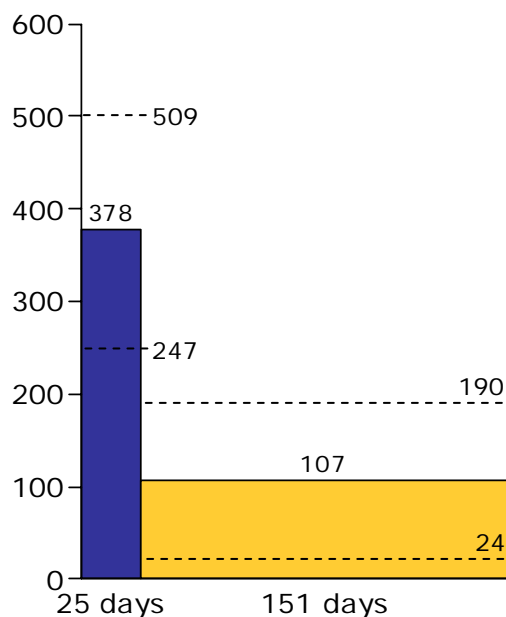
Mean BOD levels were reduced by 88% and variability declined by 71%

Mean TSS levels were reduced by 72% and variability declined by 37%

BOD effluency levels (ppm)



TSS effluency levels (ppm)



■ Mean effluency levels without BioAmp

■ Mean effluency levels with BioAmp

--- One Standard Deviation