

Commercial Bakery Case Study 1

A national commercial bakery needed a solution to reduce soluble BOD in the wastewater at its bagel manufacturing facility. The facility had an average flow rate of 100,000 gallons per day, and was incurring regular wastewater surcharges from the local municipality.

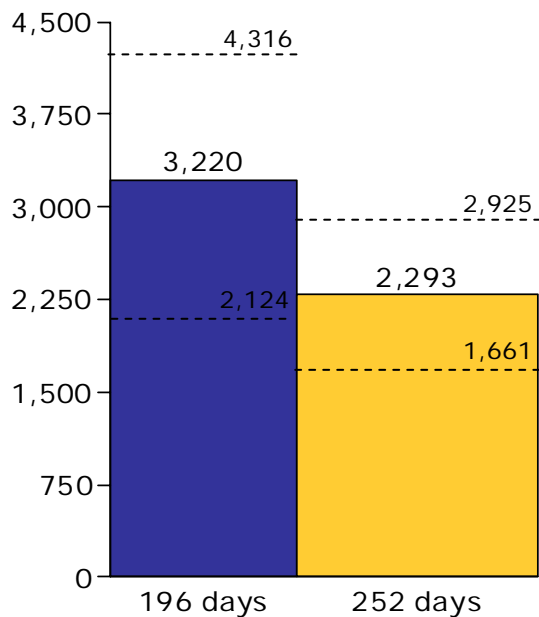
The plant installed seven BioAmps feeding directly into the pH neutralization tank. The BioAmps pumped 217 trillion bacteria into the wastewater treatment system every day.

The BioAmp saved the bakery an average of \$132,000 per year in municipal surcharges

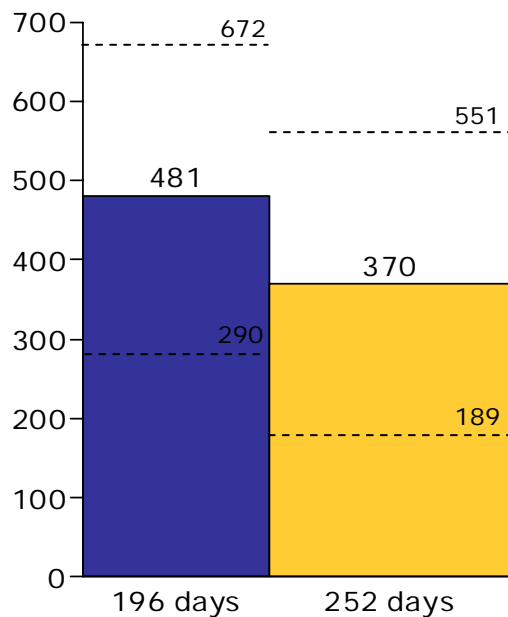
Mean BOD levels were reduced by 29% and variability declined by 42%

Mean TSS levels were reduced by 23% and variability declined by 5%

BOD effluency levels (mg/L)



TSS effluency levels (mg/L)



■ Mean effluency levels without BioAmp

■ Mean effluency levels with BioAmp

--- One Standard Deviation