

Dairy Production Case Study 1

A Florida ice cream plant needed a solution to reduce soluble BOD concentrations in its wastewater. The facility had an average flow rate of 30,000 gallons per day, and was incurring regular wastewater surcharges from the local municipality.

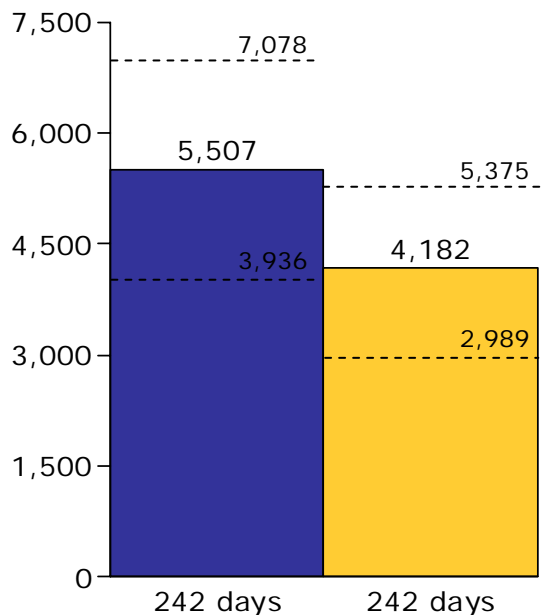
The plant installed two BioAmps feeding directly into the pH neutralization tank. The BioAmps pumped 62 trillion bacteria into the wastewater treatment system every day.

The BioAmp reduced mean BOD wastewater concentrations by 24%, saving the ice cream plant an average of \$30,000 in annual surcharges

Mean BOD levels were reduced by 24% and variability declined by 24%

Mean TSS levels were reduced by 19% and variability declined by 40%

BOD effluency levels (mg/L)



■ Mean effluency levels without BioAmp

■ Mean effluency levels with BioAmp

--- One Standard Deviation

TSS effluency levels (mg/L)

