



Fertilizer Manufacturer

The facility manufactures fertilizer, both organic and polyphosphate in formulation. The goal was to determine if there was a reduction in overall costs if treated with the Floccin. The facility was over their monthly average pounds of suspended solids, putting them in violation of their permit.

The sample initial pH was 7.36 and Floccin 1105 worked well in separation of the suspended solids in the water. The facility wanted to test to verify the reduction in suspended solids as well as BOD. The Floccin 1105 dosage was 8.34lb/1,000 gallons. The results are shown below:

Constituent	Untreated	Treated	% Reduction
Biochemical Oxygen Demand (BOD)	400	200	50%
Suspended Solids (TSS)	67	36	54%



The jarrest show that a 50% reduction in BOD and TSS could be achieved to reduce the facility wastewater surcharges to the City sewer. Sewer charges are an average of \$11.00/1,000 gallons based on a daily flow of 100,000 gal/day.