



Meat Processing Plant

The wastewater is currently being treated using conventional chemistry (alum and a polymer). The facility is paying surcharges due to levels of COD at 1,600 ppm and suspended solids TSS at 500 ppm. The surcharge rates for the local POTW (publically Owned Treatment Works) are based on \$0.42/lb for TSS and \$0.18/lb. for COD. Based on their daily flow of 200,000 gpd, they pay a daily surcharge of \$830/day.

Integrated Engineers was invited to test the Floccin to see if the surcharge rates could be reduced with improved BOD and TSS reduction using the Floccin™ products.

A 1,000ml beaker filled with the water sample was used to conduct the treatability. The starting pH was recorded at 8.5. Floccin 1106 was used for testing, and mixed with 0.5 grams in the 1,000ml beaker containing the wastewater. Flocculation occurred after 30 seconds of mixing and after 3 minutes of continuous mixing, the jar was removed and the solids were allowed to settle. The treated water was decanted and the results are shown in the photos below:



Analysis*	Untreated	Treated
BOD (ppm)	5,900	230
TSS (ppm)	3,600	72

These results show the surcharges could be reduced by \$710/day.

*Analytical work performed by BC Labs, CA ELAP #1186 certified, submission number 1107890

40308 Greenwood Way
Oakhurst, Ca. 93644

Phone (559) 683-8284
Fax (559) 683-8913

www.wecleanwater.com
sales@wecleanwater.com