

Case Study #28

Client Category: Municipal Wastewater Treatment Plant

Location: South East United States

Flow: 60 MGD - this is up 10% over the last 3 years

Problem: High B.O.D., grease buildup and high sludge production

Previous Treatment: A brand name nutrient supplement, which contains sodium nitrate, was used without success.

Treatment: A special blend of **Custom WP+** was dispensed 6 times per day at 15 individual lift stations. The 15 lift stations accounts for approximately 25% of the system. Pretreatment in the lift stations was designed to reduce grease and reduce Influent B.O.D. A total of 220 gallons of the standard strength of **Custom WP+** was used per day.

Results: Six month averages were compiled for a total over 4 years. 2 years without treatment, 1.5 years with chemical treatment and 1 year with the **Custom WP+** treatment. Influent B.O.D. was reduced 25%, and sludge production reduced 19% in one year averages!

SLUDGE REDUCTION: 2280 TONS IN YEAR 1

