

**NORTHEAST FLORIDA
WASTEWATER TREATMENT FACILITY****Challenge:**

To determine if Enviro-Tech of America, Inc. and **PX-700®** could accomplish the following:

- Reduce amount of solids that are produced at the treatment plant
- Reduce the disposal cost of the sludge produced

Facility personnel were used to gather and maintain records for the appropriate data.

Background Data:

Facility Type: Aerobic treatment facility with both industrial and domestic flows
 Design Flow: 10 million gallons per day
 Current Flow: 6 million gallons per day
 Sludge Generation: Average of 7 tons per day

The anticipated result from the use of **PX-700®** was to be an overall reduction of sludge generated by the facility thereby reducing costs associated with sludge disposal.

Treatment Procedure:

Product Used: **PX-700®**
 Treatment Period: 6 weeks
 Injection Points: Aerobic Digester
 Amount of Product Used: 165 ounces per day for a dosage rate of 0.25 mg/L

Results:

	<u>Start</u>	<u>End</u>	<u>Reduction</u>
Biosolids Reduction	9 loads/day	7 loads/day	22%
Annual Hauling Cost	\$500,000.00	\$400,000.00	\$100,000.00

Facility records indicated that 9 loads per day of sludge were generated and disposed of prior to use of **PX-700®**. Three days after the initial dosage of **PX-700®** the number of loads of sludge transported off site for disposal decreased to 7 loads per day. This amounts to a reduction of over 22% in the amount of sludge generated. Facility records indicate that during the month of November, the treatment facility had a flow increase of over 600,000 GPD, due to fluctuations in the number of residents in the area. The additional 600,000 gallons of wastewater only produced 1 additional load of sludge per day requiring transport and disposal.

Another Cutting Edge Product through *Biological Activity* from

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