

**FLORIDA EXTENDED AERATION
WASTEWATER TREATMENT PLANT****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
- Improve the overall plant efficiency

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

Background Data:

Facility Type: Extended Aeration
 Design Flow: 4.0 million gallons per day
 Current Flow: 1.6 million gallons per day
 Sludge Hauling: 170,000 gallons per month

Treatment Procedure:

Product Used: **PX-700®**
 Treatment Period: 6 weeks
 Injection Points: Anoxic Cell & Digester
 Amount of Product Used: Week 1 – 2: 1 ½ gallons per day
 Week 3 – 6: 2 gallons per day

Results:

	<u>Start</u>	<u>End</u>	<u>Reduction</u>
Sludge Hauling	180,000 gallons per month	84,000 gallons per month	53%
WAS TSS	10,288 mg/L	7,555 mg/L	27%
Phosphate	0.27 mg/L	0.17 mg/L	38%

The introduction of **PX-700®** into the facility has enabled the facility to significantly reduce biosolids, improve the overall effluent quality as well as improve associated processing, hauling, and handling costs.

Another Cutting Edge Product through *Biological Activity* from

Enviro-Tech of America, Inc.

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