

**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.