

# PROJECT PROFILE

## Key Systems:

### Flocculation

Two ETS Model FT-64 Flocculation Tubes

### Dissolved Air Flotation

Two ETS Model RT-100 DAF systems, stainless steel construction, 300 gpm capacity, Hellbender™ HB-90 recycle pumps, top & bottom skimmers, integral galvanized catwalk

### Float (Sludge) Handling

Two, 4,500 gallon HDPE tanks, rotary gear pumps

## DAF PRETREATMENT SYSTEM FOR POULTRY FURTHER PROCESSING PLANT

Environmental Treatment Systems, Inc. recently supplied equipment for a wastewater treatment system at a poultry further processing plant.

The system featured two separate DAF process trains, one for primary treatment of plant wastewater prior to aerobic biological treatment and one for secondary clarification of biologically-treated wastewater.

DAF influent flows through ETS flocculation tubes into the DAFs. DAF skimmings flow into ETS-provided skimmings decant tanks and are pumped to a holding tank using ETS-provided pumps.

Chemistry and controls were provided by the Client.

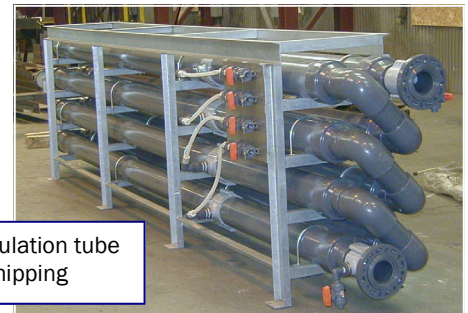
The DAFs feature a single integral catwalk to provide easy access to both DAF systems.



DAFs and catwalk ready for shipping

The ETS-provided equipment was installed by the Client, with ETS providing startup, training, and troubleshooting services.

The pretreatment system is fully operational and meeting the treatment requirements for the plant.



FT-64 flocculation tube ready for shipping

## SYSTEM PERFORMANCE

| Parameter             | Influent mg/L | Effluent mg/L | Removal % |
|-----------------------|---------------|---------------|-----------|
| PRETREATMENT DAF COD  | 26,273        | 1,496         | 94.3      |
| CLARIFICATION DAF COD | 1,544         | 117           | 92.4      |
| CLARIFICATION DAF TSS | 1,395         | 83            | 94.0      |



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