



Improved Chemistry can Slash Sludge and Drop Total Cost of Operations

Customer Goals

A large poultry processor in southeastern USA generated 23-27 loads of sludge per week, resulting in approximately \$1.3 Million in disposal costs annually. While the plant met discharge permit levels, it was running over capacity on load and flow. Our team was invited by a corporate Environmental Manager to help develop a sustainable treatment program that outperformed incumbent chemistry while producing less sludge.

Plan & Process

Equipment : Primary DAF, EQ Tank

Flow Rate : 1.5 MGD

- Reduced sludge produced in primary DAF by using organic biopolymer and removing metal PAC.
- Higher TSS removal resulted in lesser load to EQ tank and secondary DAF.
- Less TSS going to secondary DAF resulted in reduction of ferric needed.

Recommended Solution

Our Chemistry	50 ppm
Coagulant : TideForce 316	50 ppm
Incumbent Chemistry	150 ppm
Polyaluminum Chloride	150 ppm

Results vs. Incumbent

Reduced Sludge Disposal Costs

\$1.3M » \$650,000 Annually

Chemical Costs

50% Reduction

Coagulant Chemistry

66% Reduction

Metal Salts Content (PAC & Ferric)

Total System Reduction

Send us a water sample or
schedule a site visit today!
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TideForce™ reliably cleans more water with less chemistry
- making it safer, more efficient, reducing wear on machinery,
and minimizing risk for human handlers.

