

# Large Meat Packaging Facility Reduces Overall Chemistry by 93% and Sludge Hauling by 91%

## Customer Goals

- Reduce alum & caustic as settling aids in secondary treatment
- Increase water throughput to adhere to regulations
- Reduce harsh chemistry & high TSS
- Radically reduce sludge generation

## Plan & Process

Equipment : Small-package activated sludge  
Flow Rate : 50,000 GPD

## Tidal Clear Solution vs. Incumbent

Tidal Clear	1.3 L/hr	Incumbent	19.64 L/hr
TideForce® 316	1.2 L/hr	Alum	14.24 L/hr
Anionic Emulsion	0.1 L/hr	Caustic	4.8 L/hr
		Anionic Emulsion	0.6 L/hr

**91%**

**Less Sludge**

Reduced Disposal Costs

**Reduced TSS to 2.5%**  
of site limit

**Eliminated Alum & Caustic**

from Secondary Treatment

**Reduced Labor & Costs**

Transportation + Labor

Send us a water sample or schedule a site visit today!  
[TidalClear.com/get-started](https://TidalClear.com/get-started)

TideForce® reliably cleans more water with less chemistry - making it safer, more efficient, reducing wear on machinery, and minimizing risk for human handlers.



## Tidal Clear Program

TF-316	1.2 L/hr
Anionic Emulsion	0.1 L/hr

## Incumbent Program

Alum	14.24 L/hr
Caustic	4.8 L/hr
Anionic Emulsion	0.6 L/hr



**Chemical Cost Savings \$172K annually (90.7%)**

Rate: **\$2.02 / hr**

Rate: **\$21.67 / hr**



**Sludge Hauling Savings \$72K annually**

Rate: **\$1.5K / month**

1 load of sludge per month

Rate: **\$6K / month**

4 loads of sludge per month



**Electrical Savings \$151K annually**

Rate: **\$8.63 / hr**

1 blower for aerobic digestion

Rate: **\$25.89 / hr**

3 blowers for aerobic digestion

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