



CASE STUDY

Potato Wash Achieves 96.9% TSS Reduction & Ability to Recycle Water

Customer Goals

A potato wash facility approached our team to optimize their failing wastewater treatment process to enable recycling of effluent water back into the rinse stage of the potato line. Before our involvement, the system produced water with high total suspended solids (%TSS), which had to be discharged. This led to a decrease in production, underutilization of resources, and an overall revenue loss.

Our goal was to implement a reliable chemistry program that could deliver measurable improvements in water clarity and solids removal, without increasing operational complexity. After deploying Tidal Clear's chemistry solution the lamella clarifiers achieved a 97% reduction in solids.

Plan & Process

Equipment : 2 Lamella Clarifiers

Flow Rate : 200 - 250 GPM

- Dosage: ACHPlus™ : 100 mL/min
- Ensuring water profile was clean enough to recycle for production process

Send us a water sample or schedule a site visit today!

[TidalClear.com/get-started](https://tidalclear.com/get-started)

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



Tidal Clear Solution vs. Incumbent

ACHPlus™ + PF 622

Turbidity	15 NTU
TSS	12.5 mg

Untreated Chemistry

Turbidity	587 NTU
TSS	400 mg/L

Results vs. Untreated

97.4%
Reduction
in Turbidity
(to 15 NTU)

96.9%
Reduction
in TSS
(to 12.5 mg/L)