

CASE STUDY | A Whipped Cream Manufacturer

Taking bigger steps to leave a smaller footprint

A major food manufacturer noticed an opportunity to improve profitability and future growth by re-evaluating their wastewater treatment solutions.



Indianapolis, IN



INFLUENT FIGURES

BOD
3,960
mg/l

TSS
4,200
mg/l

FLOW RATE
>500,000
gallons / day

CHALLENGES

Prior to **MacDermid Envio Solutions** recommendations and implementations, the company was facing potential closure due to repeatedly violating the permit limits. Key challenges included:

1. Highly variable influent streams made proper chemical dosing difficult
2. Out of control operating & chemical costs due to the need to continually “fight fires”
3. Unmanageable amount of waste solids generated

SOLUTION

After auditing their production, we implemented new procedures to:

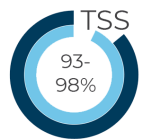
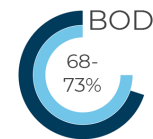
- Automate the delivery of chemical based on strength of the influent
- Achieve better equalization to create more consistency of the influent stream
- Provide enhanced training & continuous service by **MacDermid Envio Solutions** technical team

RESULTS

With **MacDermid Envio Solutions**, they were able to exceed their cost-reduction and waste-reduction goals. In just six months, they experienced:

- **57% reduction of waste stream**
- **\$432,000 in total savings**
- \$237,000 in solid waste cost savings
- \$148,000 in chemistry cost savings
- \$47,000 in compliance savings

EFFLUENT REMOVAL RATES



Ask us about



EnvioCARE

See our web site for more details
www.macdermidenvio.com

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