

CASE STUDY | Sealant And Adhesives Manufacturer

Taking bigger steps to leave a smaller footprint

To comply with local POTW waste limits, a popular sealants manufacturer needed a solution that would enable them to treat their wastewater onsite.



FLOW RATE 20,000 GALLONS PER DAY

	Surcharge Limit	Average Value Prior to MacDermid Envio's Treatment
BOD	200mg / l	2,000mg / l
TSS	1,000mg / l	30,000mg / l

CHALLENGES

This popular sealant and adhesives manufacturer experienced multiple challenges resulting from creating emulsions:

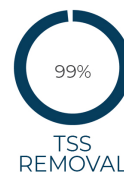
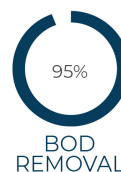
1. Clogged water lines that can be expensive and time-consuming to fix
2. Was not adequate enough to meet the 30,000 gallons of rinse water required for daily manufacturing operations
3. A failed investment in their own pretreatment solution

SOLUTION

The facility had trouble getting their effluent BOD & TSS below their POTW's surcharge limit. They tried to use their own strategy, but it was ineffective:

- Batch treatment system for 20,000 GPD
- **MacDermid Envio Solutions** control panel customized for the customer's operations
- A customized chemical regiment to work with the system's design

After closely evaluating the client's facility, operations, requirements and chemistry, **MacDermid Envio Solutions** worked with the manufacturer's in-house experts to create wastewater treatment system tailored specifically to the plant.



RESULTS

With **MacDermid Envio Solutions** solution, the industrial adhesives and sealant manufacturer's plant:

- Achieved 100% compliant with local POTW wastewater limits
- Eliminated costly surcharges
- Can easily scale for future growth

Ask us about



See our web site for more details
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