

# REFERENCE PROJECT | Upgrading Aerospace Wastewater Systems enhances Performance

Taking bigger steps...  
to leave a smaller footprint

A Wichita-based aerospace manufacturer, operating five types of metal finishing lines (anodizing, etching, chemical film, passivation, and more), struggled to meet demand for high-quality rinse water.



## THE CHALLENGE

### Outdated systems limit production and water quality

A Wichita-based aerospace manufacturer, operating five types of metal finishing lines (anodizing, etching, chemical film, passivation, and more), struggled to meet demand for high-quality rinse water. Even treated city water fell short, while their 20-year-old wastewater system lacked capacity and reliability.

Faced with increasing production needs, they turned to MacDermid Envio to improve water quality, meet discharge regulations, and avoid production delays. As a trusted partner for 20 aerospace manufacturers across we were the perfect partner for this project!

## THE MACDERMID ENVIO SOLUTION

### Cost-effective upgrades with minimal disruption

MacDermid Envio conducted a thorough water survey, analyzed processes, and proposed a phased installation plan to maintain operations during upgrades.

- Key improvements included:
- Separating low-TDS and high-TDS rinses
- Installing efficient water recycling for low-TDS rinses
- Treating high-TDS rinses and spent chemical baths with a new system

To reduce costs, much of the existing equipment was integrated into the new design.

## THE RESULT

### Enhanced performance with efficient wastewater treatment

With MacDermid Envio's solution, the manufacturer achieved:

- Improved water recycling and cost savings
- Consistent compliance with discharge regulations
- Efficient operations using existing equipment

MacDermid Envio's ongoing support includes remote monitoring and chemical delivery, ensuring long-term success.



See our web site for more details  
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