



SUCCESS STORY

GLASCO UV manufactures ultraviolet disinfection systems for treating wastewater. For more than 30 years, we have used chambers (vessels) to optimize disinfection. As chambers come to the end of their lives, they can be retro fitted.

WASTEWATER CHAMBER RETRO FIT - 1988



While many UV companies claim that chambers cannot be used to treat secondary waste, our more than 30 years experience show that it's a successful way to disinfect wastewater and that is why we continue to be a leader in the field.



CUSTOMER

Wastewater Plant

SYSTEM INSTALLATION

1988

CAPACITY

1.5 MGD

TYPE

Secondary Waste

TECHNOLOGY

Low pressure high output

Low Pressure
ultraviolet lamps
can be used
to disinfect
secondary
wastewater



THE CUSTOMER

In 1988, two UV wastewater disinfection chambers were installed in a Michigan treatment facility.

THE CHALLENGE

Systems are 30 years old. While the chambers were in excellent condition, the electronics were obsolete. The plant did not have the budget to do new construction, but instead wanted to use the same footprint and match the piping.

THE SOLUTION

A vessel was custom designed to fit the existing footprint. The system went from 72 lamps down to 24. The Controls were replaced with smaller enclosures with electronic ballasts, digital UV monitoring and automatic wiping controls.

THE RESULTS

The new "IL-BT-5000-24" fit the existing piping and provided the disinfection results. Customer benefits includes: fewer lamps, energy efficient controls, smaller electrical footprint and automatic quartz sleeve cleaning.





Old free-standing electrical enclosure with 36 magnetic ballasts.



New wall-mounted electrical enclosure with electronic ballast



Old 316L chamber in excellent condition after 30 years held 72 low pressure lamps.



New 316L chamber holds 24 UV lamps

RETRO FIT UV BENEFITS

- No new construction
- Exact fit replacement
- Fewer lamps
- Lower energy usage
- Smaller electrical footprint
- Limited down time
- Automatic cleaning



Contact us at info@glascouv.com
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information