



# Industrial Water Treatment Programs



- Comprehensive Laboratory Facilities
- Treatability Testing
- Tailored Treatment Program Design
- On-Site Pilot Testing
- Specialty Chemical Manufacturer
- Chemicals and Consumable Sales
- On-site Technical Support
- Operator Training

Designed by ProChem chemists and engineers, our water treatment programs provide a cost effective means of meeting increasingly stringent effluent discharge limits for even the most challenging industrial waste streams. Our chemical programs are designed to target solids, generate minimal waste, and extend the life of your treatment equipment.





## Treatability Testing

A significant portion of your waste generation may be caused by your chemical treatment program itself, especially if you're using a generic one. To achieve the best results, you need a custom solution. ProChem maintains a fully equipped process development laboratory and staff. Our laboratory and field chemists routinely conduct on and off site treatability testing and water reuse feasibility testing to ensure that our customers are utilizing optimum treatment chemistry to meet their goals.



### Programs for Any Challenge

ProChem provides reliable and effective solutions for even the most challenging wastewaters. Our programs are tailored specifically for your wastewater:

- Metals
- Oils
- Suspended Solids
- Biological contaminants
- Sludge reduction
- Filter cake dewatering
- Recycling/reuse - reduce discharge
- Color removal
- pH
- Turbidity
- Foaming issues

Whether your goal is to meet environmental permit challenges or reach zero discharge, our expert team offers a wide range of solutions.



### Single-Source Solution

From design to implementation to maintenance, ProChem is the single source for all your water treatment needs.

We not only design chemical programs, but we are a chemical supplier and specialty chemical manufacturer.

We are also a supplier for all your wastewater treatment equipment and consumable needs from filters and membranes to sensors and pumps.

Providing all these services allows us full quality control over the design and optimization of the water treatment program, beginning with the initial water test.

### Automation & Monitoring

We also offer system automation and web-based remote monitoring for all our treatment programs, allowing the system operator to track the performance from anywhere and receive alerts in real time. This allows staff to focus more on production and maintenance—worry free.



### Pilot Testing

After a treatment strategy has been identified, a pilot test system can be assembled and operated at your facility for several weeks to ensure that the system will meet your company's needs.

A pilot study can also reveal the equipment and process modifications that may be necessary before the final implementation of your treatment program.

A ProChem pilot test system is a complete, miniature representation of your proposed treatment program, including ultrafiltration, reverse osmosis, chemical precipitation, ion-exchange, or other selected treatment technologies.

With many tools and resources at our disposal, we can find solutions for every water and wastewater issue, keeping you focused on your core business.



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