Tonka Water, a U.S. Water Brand, is dedicated to creating and embracing technologies to find the optimal solution for each customer’s unique water treatment needs. Our goal is to start early, with project feasibility and conceptual design, onto detailed process design, manufacturing, commissioning, installation and beyond.

Our engineering and manufacturing teams work hand in hand with consulting engineers and owners to customize specifications, features and improvements to your system to find the most cost-effective solution.

Whether your facility’s goal is to reduce energy use, minimize backwash waste or reduce footprint, partnering with Tonka Water will help you achieve your goals.

With Tonka Water, you get top-quality water throughout the life of your facility.
Innovative Solutions

Throughout its history, Tonka Water has led the industry in identifying and innovating new technologies and processes to address the ever-changing requirements of owners and their design engineers. Our vast array of products proves that we continue to meet the ever-growing demands of the water industry. We continue to be innovative leaders to the world of water treatment, integrating and adapting new, improved and cost-effective technologies. Some examples of these products include:

Simul-Wash™

Simul-Wash is a proven sustained, simultaneous air/water filter backwash system that extends the life of filter media, minimizes backwash waste, prevents mudballs from forming and frees nearly all captured filter debris - better than any other backwash method available. Simul-Wash works well in a variety of configurations, from horizontal and vertical pressure filters to low profile retrofit applications on gravity filters.

Pur-IX™

The Pur-IX system incorporates a series of ion exchange vessels, which are continuously cycled through water treatment and regeneration modes with a multi-port valve. This continuous cycle process provides maximum resin loading but prevents contaminant dumping with parallel vessel configuration. The primary waste generated from the Pur-IX system will be brine waste which is relatively small in volume compared to conventional ion exchange.

Dualators®

Tonka Water’s Dualator products are cost-effective solutions for many groundwater systems. These gravity filters incorporate aeration, detention and filtration in a single structure, considerably decreasing the footprint of a plant. They also have the capability of meeting a large range of flow rates, from 80 gpm to 2 MGD in one process train. Tonka Water can customize and provide the controls required for these applications, as well as include other features required for site specific applications. Dualator Systems are designed to meet USEPA, Ten States Standards, and Canadian requirements for iron, manganese, and arsenic removal applications. They are ideal for Hydrous Manganese Oxide (HMO) radium removal and as pre-treatment for membrane applications.

Surface Water Refurbishment

The refurbishment of an existing treatment system includes a renovated surface water treatment system including the Tonka Water BLEU™ stainless steel underdrain, along with the innovative Simul-Wash backwash conservation system.

Tonka Water’s BLEU underdrain replaces the current underdrain in order to extend the usable life of the filter.

Integrated System

A new water treatment plant was built to address iron, manganese and hardness in their water. Tonka Water’s Dualator III was chosen for the treatment of iron and manganese and Pur-IX technology was selected to provide water softening. This project was sold based on the rapid payback for brine savings - as compared to a conventional ion exchange system.
Capabilities at a Glance

- Aerators & Strippers
- Chemical Feed Systems
- Clarifiers
- Controls & Automation Upgrades
- Customized Capital Equipment
- Design Assistance
- Gravity Filters
- High Efficiency Filtration
- Installation Services
- Internals Design
- Media Filters
- Membrane Cleaning Programs
- Membrane Filtration Systems
- Monitoring Programs & Software
- On-site Service & Support
- Packaged Equipment Solutions
- Reverse Osmosis
- Secondary Disinfection Systems
- Skid Mounted Equipment
- Solid Chemical Feed Systems
- Spare Parts & Replacement Kits
- Training Services
- Water Management Efficiency Tests
- Water Reuse
- Water Softeners & Ion Exchange

Integrated Approach

Tonka Water’s broad and diverse product line allows consulting engineers and owners to select the right cost-effective water treatment system for your unique water application. Since water quality is always site-specific, each system we manufacture is customized to meet the individual needs of the project. We believe the breadth of our offerings combined with our process knowledge and experience, provides each client with the best possible solution to their treatment needs.

Once our customers’ systems are in place, our team dedicates themselves to providing our customers with the products, services and expertise needed to keep your facility running at its optimum level. When the need arises, you can count on us for complete technical support and aftermarket service.

True Cost of Ownership

Tonka Water helps you balance the total equipment costs with your day to day operational costs. Our systems are designed to optimize the true cost you see as an owner.

Key distinguishing areas are:

- Integrated, user-friendly control systems
- Lower maintenance costs
- Reduced backwash volumes
- Reduced chemical and energy usage
- Reduced footprint

Innovative Ion Exchange

Groundwater under the hydrologic influence of the Florida Everglades produces water with high levels of total organic carbon (TOC) and color. The city decided to implement Tonka Water’s Organix™ system (strong base anion exchange) as this was a relatively low-cost and effective solution to the TOC and color problem.

Design Build Project

The city underwent a major upgrade and expansion including an advanced water treatment process for the reduction of phosphorus from the wastewater outfall. The treatment processes consist of pH adjustment, followed by alum and polymer addition for physical/chemical removal of phosphorus. The removal mechanism involves two-stage, tapered flocculation, inclined plate settling, and filtration using a dual-media filter bed in Tonka Water’s UTS™.
CUSTOMIZED SOLUTIONS
to meet your toughest challenges.

Engineering Assistance
Tonka Water provides you with sustainable, cost-effective solutions that lower your operating costs. Our experienced engineers will custom design each water treatment system to meet your specific application requirements. Our people are process experts and they know that every water is different and requires a tailored approach to treatment. Our work starts with water quality analysis and treatment goals, and finishes with cost-effective installations that incorporate the best available technology.

Equipment
Tonka Water’s product line is as extensive and diverse as any in the potable water industry. We have successfully designed products for surface water, groundwater, environmental remediation, and tertiary filtration as well as commercial and industrial applications. Structure and vessel materials range across the full spectrum: concrete, steel, stainless steel, aluminum, fiberglass, and others. Its systems are comprised of a broad line of treatment equipment, including solids contact basins, clarifiers, gravity filters, pressure filters, packaged treatment systems, aerators, ion exchange systems, VOC stripping towers, cross flow membranes and other system components. Processes include removal of arsenic, radium, total dissolved solids, disinfection byproduct precursors and color.

Aftermarket Sales & Service
As you know, your water treatment facility is an important investment. We can help protect that investment for years to come. Tonka Water Aftermarket Sales and Service is continually offering new products and services to extend equipment life, reduce energy usage and replace end of life equipment. Our Field Service Programs provide our customers with the assurance that their water treatment systems are being looked after and performing as expected. Tonka Water’s highly skilled field service personnel are trained to monitor, troubleshoot, repair, and maintain a variety of water system unit operations.