PFAS SOLUTIONS

TREATMENT SYSTEMS & PROJECT ASSISTANCE

Tonka Water, a Kurita brand, is addressing the stringent new drinking water standards for per- and polyfluoroalkyl substances (PFAS) by offering the best available PFAS removal technologies to our customers. Our treatment experts can support your project from start to finish to ensure that the most appropriate solution is selected for your unique challenges.

When treating to the low concentrations required by United States Environmental Protection Agency's drinking water standard, the prevalence of particular PFAS analytes as well as the specific chemistry of the water play a large role in potential operating costs. Preliminary testing steps can be taken to ensure the right technology is selected and optimized for the lowest cost of ownership, which may be achieved from an integrated system with pre-treatment.

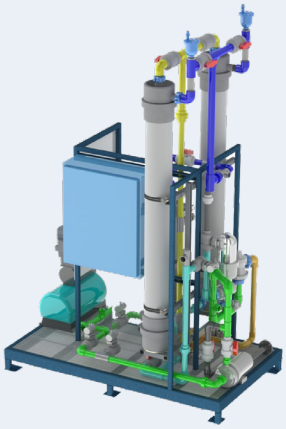
TONKAWATER™
a Kurita brand

KURITA

PFAS SOLUTION OVERVIEW

Tonka Water supports all phases of your PFAS project from discovery and feasibility through design, construction, and commissioning. We offer rapid small scale column testing (RSSCT) and pilot studies to assess performance of different adsorption technologies and understand lifecycle costs. Equipment is available in custom sizes specific to your project for flexible layout and configuration options, and our conventional treatment products integrate nicely to provide effective pre-treatment of co-contaminants known to inhibit PFAS removal. Once a process is selected, we can generate representative drawings and specifications for use in project design documents. Beyond commissioning, our aftermarket team is available for parts, media services, and general assistance throughout the life of the system.

TREATABILITY STUDIES



Rapid Small Scale Column Testing

RSSCTs allow for expedited comparison of multiple adsorptive technologies simultaneously, generally within six to twelve weeks. This helps understand run lengths and replacement frequency for estimating full-scale lifecycle costs.

On-site Piloting

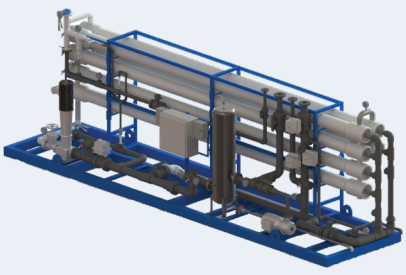
On-site piloting is time intensive, usually taking six months to two years, but allows for capturing real-time performance that reflects source water variability. Multiple adsorption technologies can be compared to confirm run lengths and replacement frequencies for accurate full-scale lifecycle costing. Pre-treatment needs and potential benefits can also be assessed during piloting.

PROJECT DEVELOPMENT SUPPORT

Tonka Water is a valuable resource on your PFAS project. Our process and design experts are available every step of the way during development, providing:

- Capital and operational budget cost estimates
- Equipment sizing and design assistance
- General arrangement drawings and specifications
- Pre-treatment considerations
- Residuals management consultation

FULL-SCALE SYSTEMS



Our full-scale treatment systems utilize the best available technologies for PFAS and are customized for your specific project.

Adsorption

- Granular activated carbon (GAC)
- Ion exchange (IEX)
- Adsorptive clay
- Novel adsorbents

Membranes

- Nanofiltration (NF)
- Reverse osmosis (RO)
- Skidded, complete systems
- Antiscalant and CIP chemicals

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