



Treatment of PFAS Contaminated Water

PFAS have become a primary focus of regulatory bodies around the world.

WHAT ARE PFAS?

PFAS are a sizeable group of synthetic chemicals manufactured and used in a variety of industries worldwide since the 1940s. These chemicals include:

- PFOA
- PFOS
- GenX chemicals
- More than 4,000 other compounds

PFAS are found in a wide array of consumer products and industrial processes, including:

- firefighting foams
- chemical processing
- building/construction, aerospace, electronics, semiconductor, and automotive industries
- stain- and water-resistant coatings
- food packaging
- waxes and cleaners

Due to their strong carbon-fluorine bonds, many PFAS can be very persistent in the environment with degradation periods of years, decades, or longer.

Most people in the United States have been exposed to these molecules. Evidence reports continued exposure to certain PFAS above specific levels may lead to adverse health effects, such as developmental effects, cancer, liver effects, immune effects, and thyroid effects.

As a result, the characterization, regulation, and remediation of PFAS has become a primary focus of regulatory bodies around the world.

ECT2 Solutions



The ion exchange resin systems result in:

67%

reduction in treatment system size

50%

reduction of life cycle costs

13x

more effective water treatment

up to

99%

less waste generation

These systems also achieve industry-leading uptime and deliver contaminant removal well below specified limits.

DIVERSE STANDARD & CUSTOM SYSTEMS

With applications in groundwater, drinking water, surface water, wastewater, construction dewatering and IDW, ECT2 offers a range of treatment systems such as:

- Standard, complete systems available range from 5 to 1,000+ gallons per minute
- Mobile treatment systems for short term water treatment activities
- Modular systems for turnkey, fast installation, and quick start up projects
- Custom designed systems to meet client-specific needs, including
 - Supplement, upgrade, or replacement of existing carbon-based treatment systems
 - Supplemental treatment for existing facilities where PFAS is not currently being treated
 - Bespoke treatment systems to meet site-specific requirements

ECT2's proprietary, cost-effective approach leverages the properties of synthetic resins to enable efficient PFAS removal and on-site regeneration.

WE KNOW THERE'S A BETTER WAY

Contact the ECT2 team to take the first step [here](#).