ENVIRONMENTAL SOLUTIONS



PFAS Destruction Through Supercritical Water Oxidation

A complete PFAS management solution that offers testing, design, destruction through SCWO and final documentation.

REPUBLIC® SERVICES

Sustainability in Action









As regulations tighten and liability concerns grow, facilities and waste generators are being asked to identify, manage, treat and document PFAS-containing materials while coordinating with multiple vendors and compliance requirements.

Republic Services brings together testing, design, destruction and final documentation, as your single reliable partner.

Ideal Waste Streams

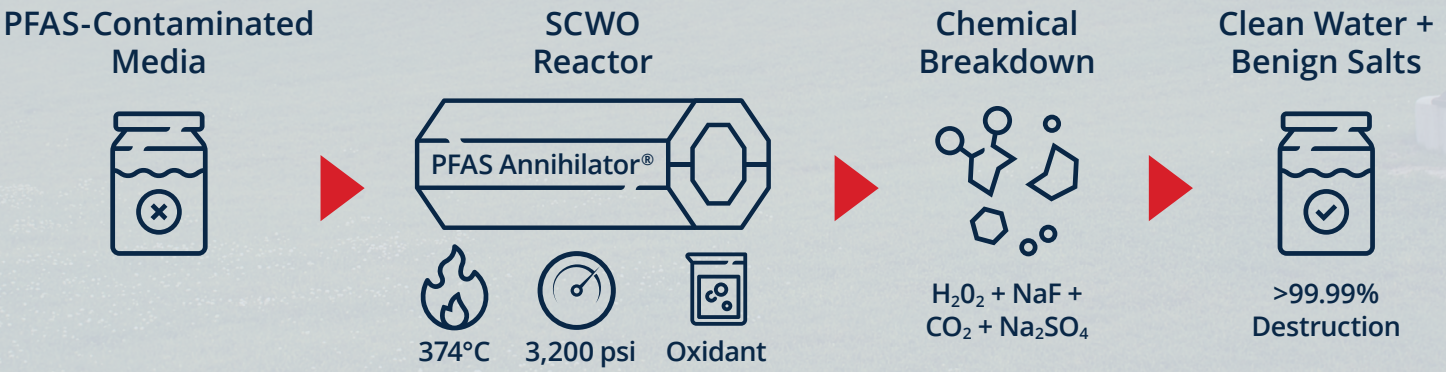
- AFFF Concentrate
  - Drums
  - Fire suppression systems
- Tank/suppression system rinsate
- Firewater
- Contaminated groundwater
- Landfill leachate
- Industrial wastewater

Benefits

- One end-to-end strategic partner
- Proven 99.99% destruction of all PFAS types (including ultra-short, short- and long-chain)
- Accredited analysis
- Guidance from PFAS technical experts
- No formation of harmful byproducts
- EPA 1633 analysis plus a Certificate of Processing



WHAT IS SUPERCRITICAL WATER OXIDATION (SCWO)?



How it Works

1. Characterization – The waste stream is sampled, analyzed and characterized using accredited PFAS testing methods.
2. Design – Solution is designed based on the waste profile, volume and compliance requirements.
3. Concentrate – PFAS contaminated material is concentrated on-site using foam fractionation, reverse osmosis, ion exchange or granular activated carbon.
4. Transportation – Contaminated material is moved to SCWO facility at Columbus, Ohio or Grand Rapids, Michigan.
5. Destruction – Heat, pressure and an oxidizer is applied to break down PFAS.
6. Verification – A Certificate of Processing with third-party analysis is provided to confirm destruction.

In Partnership With

BATTELLE

Battelle is the largest independent, non-profit applied science and technology organization in the world. Through accredited laboratory facilities and innovative technologies, Battelle tackles PFAS challenges and other emerging contaminants.

Revive environmental

Revive Environmental is an environmental technology company that develops patented systems, including Supercritical Water Oxidation (SCWO), to destroy PFAS and other contaminants in water waste streams.

Visit RepublicServices.com or call
800.592.5489 for more information,
or contact your Sales Representative.

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