



# **TOTAL SOLUTIONS FOR PFAS**

## Focus: Food and Beverage

EDUCATION | CONSULTING | ENGINEERING  
EQUIPMENT | SERVICE

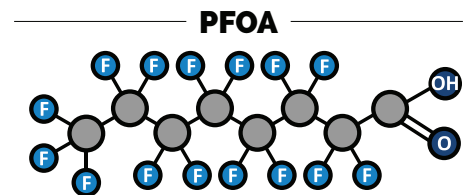
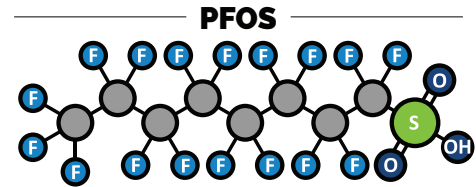
# What Is PFAS?

**Poly or Per Fluorinated Alkyl Substances** (PFAS) is a general classification term for over 4,700 compounds. They are used in many commercial and industrial applications and products.

PFAS are very slow to breakdown and therefore tend to bioaccumulate in humans and nature. Overwhelming evidence links some PFAS chemicals to health problems like cancer, developmental issues, and more.

The two most common are:

- **PFOS** – Perfluorooctane sulfonate
- **PFOA** – Perfluorooctanoic acid



## Why Are they Dangerous?

- Hard to measure
- Difficult to destroy
- Costly to treat
- Don't naturally breakdown
- They continue to accumulate in an organism

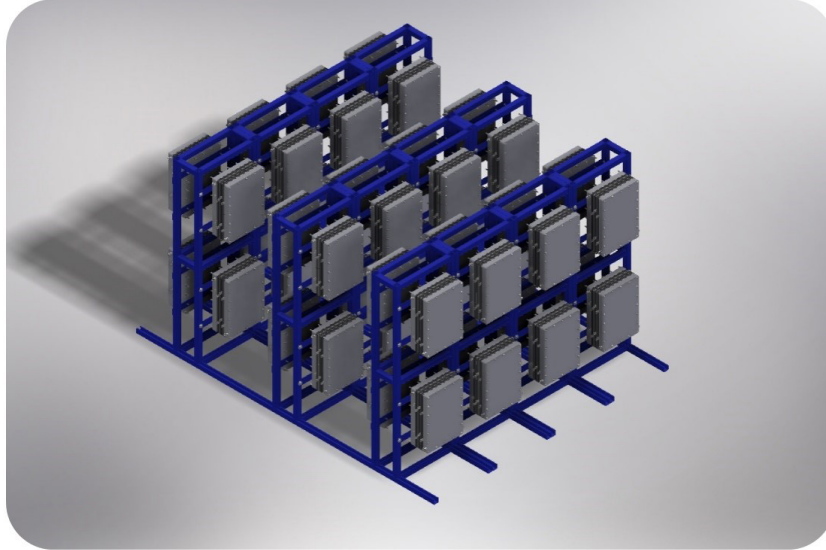
### Human Effects

- Low birth weight
- Cancer
- Thyroid issues
- Effects on immune system



## Where Innovation Meets Science for PFAS Solutions

Our team of experts have been trained to handle PFAS from the identification of the problem through removal of the compounds and their destruction. Let our Engineers design and implement a safer environment in your community or business.



The **Aqueous Electrostatic Concentrator (AEC)** is a patented treatment process capable of removing PFAS from aqueous solutions in a single pass with low contact time. The AEC is suited for groundwater, surface water, wastewater or pump and treat groundwater remediation. The added service exchange option offers the all the benefits of removal without the headaches of disposal.

- Able to Meet Proposed Standards in a Single Pass
- Works Stand Alone or in Conjunction with Existing Technologies
- 99.9% removal in a single stage
- Low Energy
- Low O&M costs
- Low Contact Time
- Non-Carbon based
- Minimal Waste



SCAN ME

For more information visit  
[www.bestpfastreatment.com](http://www.bestpfastreatment.com)





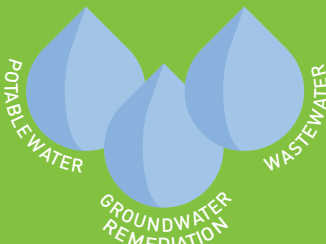
## CARBON FILTRATION/ MEDIA FILTRATION



VS



**AEC HAS LOWER OPERATION AND MAINTENANCE COSTS**  
AEC is faster and more energy-efficient than standard filtration.



VS



**AEC IS VERSATILE**  
AEC can work on multiple water streams alone or in conjunction with other water treatment technologies.



VS



**AEC IS ENVIRONMENTALLY FRIENDLY**  
AEC produces less than 1/1000 the PFAS-laden waste of carbon filtration.

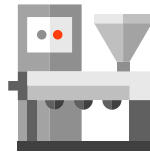
# The Impact of PFAS in Food and Beverage



water



raw materials



processing  
machinery



uniforms &  
safety equipment



cleaning  
supplies



packaging  
materials



wastewater

THESE CAN ALL CONTAIN PFAS

## We Can Help.

### Services Available to Food and Beverage



#### Education

Our PFAS experts can help organizations wind their way through the everchanging framework of rulemaking that exist for PFAS. They can provide knowledge and expertise to help you understand everything PFAS including:

- Current Regulations (State and Federal)
- Testing methodology
- Treatment
- Innovation
- History and Background



#### Consulting and Engineering

Our engineers can help navigate the design phase by helping select the appropriate technologies to identify and treat PFAS sources within a facility. Once identified, the team can assist with:

- Feasibility Studies and testing
- Design Engineering
- Bidding and Procurement
- Construction management
- Permitting
- Installation and Testing





**Innovations, problem-solving, and full-service solutions**

## The BioLargo Family of Companies

BioLargo, Inc. is a sustainable science, technology & full-service environmental engineering company that **makes life better** by delivering world-class products and services across a broad range of industries, with a drive to deliver clean water, clean air, and advanced antimicrobials for healthcare.



**BioLargo Engineering, Science and Technologies (BLEST)** offers over 100 years of combined experience in all areas of Environmental Engineering. Serving federal, municipal and industrial customers all over the world, BLEST offers a vast variety of services to serve its customers in the best way possible.

105A Fordham Road  
Oak Ridge, TN 37830  
(865) 227-3859  
pfas@biolargo.com

[www.bestpfastreatment.com](http://www.bestpfastreatment.com)



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