



Combining SAFF® and PFAS Annihilator™ for a Closed-Loop PFAS Solution

SURFACE ACTIVE FOAM FRACTIONATION (SAFF®)

SEPARATE AND CONCENTRATE PFAS

SAFF®, manufactured by EPOC Enviro and exclusively distributed in North America by Allonnia. It is a sustainable, physical separation process that uses biomimicry to harness the power of pure air to effectively remove PFAS from contaminated waters. It is a robust technology that is unaffected by the presence of co-contaminants, even at high concentrations. SAFF rapidly achieves a high density, low volume PFAS concentrate, without the use of adsorption media, enabling effective pairing with the PFAS Annihilator™ to create the 4never™ closed-loop PFAS solution.

A PROVEN SOLUTION

SAFF technology has successfully treated tens of millions of gallons of PFAS-contaminated water, deployed in many applications including landfill leachates. It is a modular, containerized solution for rapid onsite deployment and commissioning.

TREAT COMPLEX LANDFILL LEACHATE WATERS

SAFF's robust, low maintenance design is an ideal solution for complex landfill leachate waters as it's not limited by high DOC, TOC, TSS, TDS or the presence of other organic and inorganic compounds. As a result, it requires minimal to no pre-treatment to effectively remove PFAS. The built-in remote telemetry capabilities also allow for minimal operator oversight.

THE SAFF DIFFERENCE

Removes >99.9% PFOS/PFOA (below detection limits)

Daily Treatment Capacity: Unlimited

Lowest cost per treated gallon

Energy efficient (estimated rate of 2.5kw / 1000 gallons treated)

No adsorbent media required

PFAS Concentration Factor up to 2 million
(1 gallon of PFAS concentrate generated from 2 million gallons treated)

Green chemistry and sustainable engineering design

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