

PFAS-Based Firefighting Foams



Sampling and analysis expertise to manage your risks

PFAS-based surfactants have been used in firefighting foams since the mid-1960s, but the runoff wasn't usually collected or pretreated prior to discharge. Aqueous film forming foam (AFFF) may be the largest source of PFAS releases in our environment, on a per mass basis.

Health concerns have influenced regulatory agencies to initiate testing of both surface water and groundwater near many airports with reported releases or contaminated drinking water.

The Risk to Airports

As more data emerge about PFAS chemicals, regulations are increasing throughout the country. Military and commercial aviation that routinely trained with and used AFFF could face potential historical liabilities.

Users are advised to take inventory of the foam they have in storage and quantify the locations of emergency responses, fire training areas and storage areas. The locations of current or former AFFF use sites in relation to potential sensitive receptors also needs to be evaluated.

Nationwide Expertise in PFAS Research and Regulations

TRC's nationwide staff includes leading PFAS scientists who understand the complex sampling and analysis procedures used to interpret the data and characterize PFAS sources.

We've designed and implemented cost-effective isolation strategies for PFAS in stormwater at Northeast commercial airports that have reduced PFOS/PFOA concentrations by 95%.

Our PFAS forensic experts have also clearly differentiated sources at several airports where multiple AFFF releases are documented or identified.

TRC's Center of Research and Expertise (CORE) is a national leader on PFAS toxicity, fate and transport, sampling, testing, and remediation methods. We can assure that characterization programs are done properly and effective treatment, containment and disposal plans are in place to control potential exceedances.

Our overall goal is to help you manage your risk at a time of regulatory uncertainty. With staff located in all regions of the contiguous United States, we bring both a national and local perspective to the issue and how developing legislation will affect our clients' future.

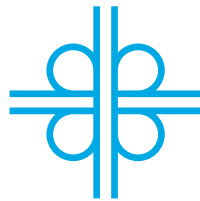
About TRC

Groundbreaker. Game changer. Innovator. TRC is a global firm providing environmentally focused and digitally powered solutions that address local needs. For more than 50 years, we have set the bar for clients who require consulting, construction, engineering and management services, combining science with the latest technology to devise solutions that stand the test of time.

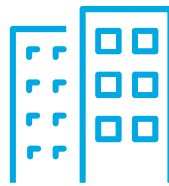
TRC's nearly 6,000 professionals serve a broad range of public and private clients, guiding complex projects from conception to completion to help solve the toughest challenges. We break through barriers for our clients and help them follow through for sustainable results.



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