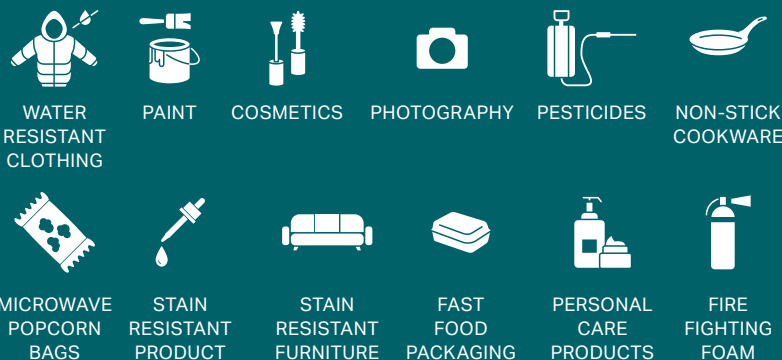


# AECOM PFAS Capability Overview

## What are PFAS?

Per- and polyfluoroalkyl substances (PFAS) constitute a class of thousands of synthetic compounds sharing at least one carbon bonded to fluorine. Because of their surfactant properties, many PFAS are employed in industry.



## Areas of PFAS Expertise

- Site Characterization/Remediation
- Risk Assessment and Management
- Development of Treatment Technologies
- Regulatory Navigation/Negotiation
- Forensic Chemical Assessments
- Waste Management and Foam Transition
- Destructive Technology Innovation

## AECOM PFAS Clients

- Oil & Gas
- Pulp & Paper
- Airports
- Paint and Coating
- Chrome Plating
- Automotive
- Department of Defense
- Municipalities

More Information: [AskEnvironment@aecom.com](mailto:AskEnvironment@aecom.com)

## PFAS Fate and Transport Challenges

The fate and transport properties of some PFAS in the environment create challenges in managing this broad class of compounds, such as:

- Limited sorption to soil and sediments
- Highly water soluble, non-volatile and extremely mobile in water
- Exceptional stability and resistance to biological, chemical, and thermal degradation
- Persistent in the environment with very little attenuation
- Widely present in environmental media
- Bioaccumulative in plants, many animals, and humans

## Why PFAS are an Environmental Concern

Toxicological data are generally limited with the exception of a handful of the most commonly encountered PFAS. For the few PFAS with reliable toxicological information, health effects include:

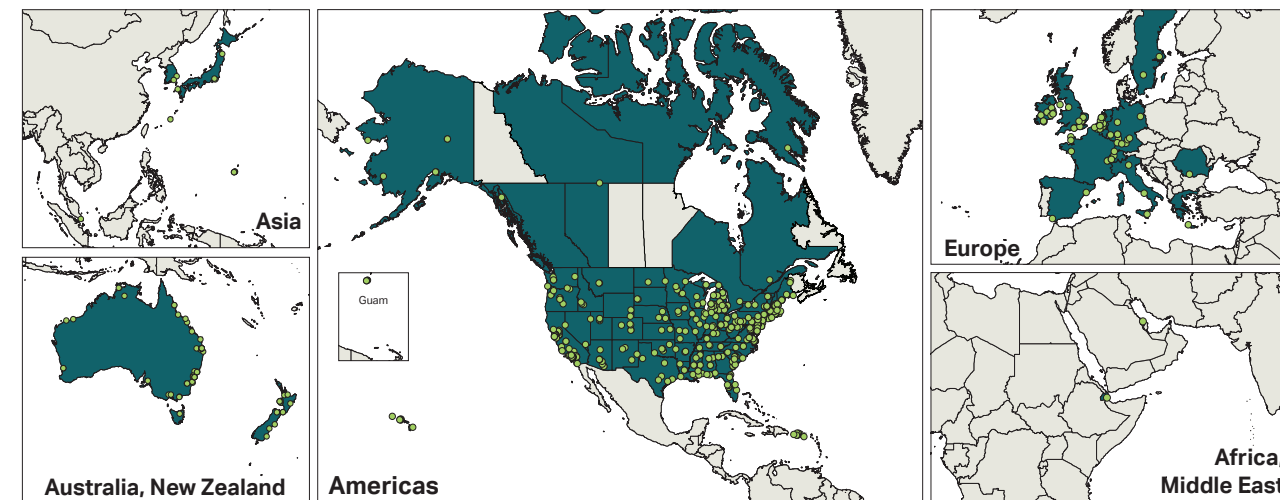
- Development delays
- Increased cholesterol levels
- Low infant birth weights
- Suppressed immune response
- Liver effects
- Thyroid effects

AECOM has conducted PFAS investigations since 2001, tackling many of the world's most challenging PFAS sites, and actively innovating methods to identify and resolve PFAS for our clients.

## Key AECOM Attributes

- Conducted PFAS activities at >400 sites in every state and 3 US territories, including assessments, soil and groundwater sampling, risk assessment, and treatment evaluation.
- Worldwide, multi-country experience in all aspects of PFAS investigation, risk assessment and remediation in consulting, research, and regulatory developments.
- Conducting the largest PFAS investigation ever performed; collecting >15,000 samples, investigating several entire counties, and collecting samples along an 80 mile segment of a major river.
- Designed, installed, operated, monitored and maintained full-scale PFAS groundwater remediation systems, hundreds of residential and dozens of commercial supply well PFAS treatment systems.
- Conducting innovative on-site soil and groundwater remediation bench and pilot scale testing in the US and Australia.

## Global AECOM PFAS Sites



IDENTIFY. RESOLVE.