PFAS-containing Aqueous Film Forming Foams (AFFF) have been widely used around the world for both firefighting (in fixed systems and incident responses) and fire training purposes.

While most foams no longer contain PFOS or PFOA, many of those currently in use still contain other PFAS compounds (including ‘precursor’ compounds).
Many sites where AFFF products were used have been identified as significant sources of PFAS contamination to soil and groundwater, posing a potential risk to human health and the environment. **Arcadis focuses on providing sustainable solutions to manage and remediate these issues, while minimising the potential risks posed by PFAS-impacted sites.**
Taking a proactive approach to mitigating the potential risks that PFAS-containing foams can pose to human health and the environment, Arcadis offers several solutions.
FOAM REPLACEMENT
While most foams no longer contain PFOS or PFOA, a complete transition to fluorine-free foams (F3) is recommended to reduce ongoing risks of contamination from other PFAS compounds and residual contamination. F3 foams are becoming more common in Europe and Asia as they are effective, biodegradable and reduce the possibility of future environmental liabilities associated with PFAS. This, in turn, can provide a net cost benefit to a foam replacement program.

PFAS TRANSITION PROGRAM
With a detailed understanding of the lifecycle and treatment of PFAS-containing foams, Arcadis’ transition strategies to F3 foams include decontamination, disposal of old foams, replacement of equipment, and testing of new foam systems. Our transitioning programs also combine environmental management with fire protection engineering, fire safety strategies, and fire risk assessments. In this way, Arcadis can ensure that our programs provide a framework to manage regulatory concerns and potential liabilities.
Arcadis has a long history of management and remediation of PFAS impacts, starting over 14 years ago with our first projects in Belgium, Germany and the UK. Arcadis now has more than 75 projects in our portfolio, representing over 300 individual sites in 12 countries. Our expert team consists of over 100 innovators, including chemists, toxicologists, hydrogeologists, geologists, risk assessors and remediation engineers.

Arcadis is the leading global Design & Consultancy firm for natural and built assets, tracing its roots back to the Association for Wasteland Redevelopment in the Netherlands in 1888. Applying our deep market sector insights and collective design, consultancy, engineering, project and management services, we work to deliver exceptional and sustainable outcomes.

With over 27,000 people in over 70 countries and a generated €3.3 billion in revenue, Arcadis’ rich history lends the perfect foundation for the innovative solutions we have now become renowned for.
WE WORK TO DELIVER EXCEPTIONAL & SUSTAINABLE OUTCOMES

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