

PER- AND POLY-FLUOROALKYL SUBSTANCES (PFAS): PROJECT LIFECYCLE SOLUTIONS



Weston's program/project delivery structure is designed to enable our technical experts can support any PFAS project across the country. Personnel are trained and ready to bring science-based, site-specific solutions to your project.

TECHNICAL CAPABILITIES AND EXPERTISE

Weston has more than 18 years of PFAS experience completing PFAS investigations and remediation. We have multiple contract vehicles with capacity to perform these services, and an in-house, nationwide network of PFAS professionals. Our team draws from Weston's Emerging Contaminants Community of Practice with SMEs in chemistry, hydrogeology, biota collection and analysis, modeling/forensics, data visualization, risk assessment, mitigation, bench-scale testing, feasibility studies, and remediation. Our experience allows Weston to deliver comprehensive solutions for our clients. We are the go-to consultant for regulatory and technical guidance, and have built a reputation for solving the toughest PFAS challenges.

2005 & Earlier	2005 - 2015	2015-Present
<ul style="list-style-type: none">• Developed original protocols for sampling and analysis of soil, groundwater, and biota with EPA and State Agencies.• Initiated first-of-its-kind SI and RI Program.	<ul style="list-style-type: none">• Completed groundbreaking ecosystems bioaccumulations studies and exposure assessments.• Began performing remediation after obtaining RODs from State Agencies.	<ul style="list-style-type: none">• Developed groundbreaking air emissions testing and analytical protocols.• Completed multiple SIs and remedial and mitigation programs.• Active participant in developing technical regulatory guidance documents.

FULL LIFE CYCLE SOLUTIONS

Our network of Subject Matter Experts (SMEs) are knowledgeable in the latest regulations and experienced in the sciences and technologies needed to tackle PFAS challenges for our clients. We deliver solutions in ways that meet and exceed our clients' objectives and are fiscally and environmentally sustainable. In addition, our SMEs continue to advance the science of PFAS by developing innovative solutions and ensuring that current best practices are implemented across our services. Our services include:

- Source Identification, Characterization, Investigation, and Feasibility Studies
- Remediation/Mitigation
- In-plant Facility Engineering Support
- Air Quality Management
- Compliance, Permitting, Regulatory Support
- Emission Testing, Monitoring, and Modeling
- Information Management
- Waste Stream Investigation, Characterization, and Management
- Water/Wastewater Solutions
- Community Relations/Risk Communication



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Source Identification and Assessment



Air Stack Emissions, Residues, and Dispersions Testing for PFASs and PFCAs, NHDES, St. Gobain Facility, NH

- Performed emissions testing for PFAS at a polymer product manufacturer using novel methods.
- Data collected that allowed state regulators to make informed decisions regarding likely sources of PFAS found in area drinking water supplies and provide up-to-date and accurate information during public information sessions.



Environmental Investigation, Remediation, and Regulatory Guidance/Negotiation, Confidential Client, TX

- Conducted investigations to identify sources of PFAS in groundwater at properties formerly used to manufacture and test fire suppression systems and firefighting foams.

Investigation/Characterization



PFAS Site Investigation and Characterization, Nantucket Memorial Airport, MA

- Completed rapid risk mitigation (POET, alternative water supplies)
- Conducting ongoing risk communication to stakeholders.
- Designing and performing fiscally sustainable project execution including nature and extent investigations, forensics, AFFF-to-F3 conversion support, and remediation planning.



PFAS Characterization and Evaluation, USAEC, Letterkenny Army Depot, PA

- Updated risk assessments and developed conceptual site model for PFAS based on investigation at former fire training areas.
- Coordinated with the Army to develop solutions for handling and disposing of investigative derived waste to ensure proper disposition and reduce future liabilities.

Mitigation/Remediation



Design, Construction, Startup, and Operation of Groundwater Extraction and Treatment for PFAS at a Region 1 Superfund Site

- Selected the most reliable and cost-effective approach to perform a fast-track design and construction of a supplemental process to remove PFAS from extracted groundwater where PFAS was not a chemical of concern.
- Designed all new process, mechanical, electrical, and control systems to seamlessly integrate into the existing highly sophisticated groundwater treatment system. Since startup, the PFAS treatment process has provided highly effective removal of PFAS.



Data Gap Investigations and Streamlined Engineering Evaluations/Cost Analyses to Support Non Time-Critical Removal Actions at Wright Patterson AFB, OH

- Performed Data Gap Investigations, developed streamlined Engineering Evaluations/Cost Analyses, and conducted a treatability study including the design-build of a groundwater extraction and treatment system and PFAS removal system.
- Mobilized to the site within 72 hours of award to begin site reconnaissance, procurement of long-lead items, and siting and permitting activities. The Data Gap Investigations used direct push technology and rotary sonic rigs to drill and install soil borings, monitoring wells, and extraction wells.

FOR MORE INFORMATION, CONTACT:

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