



## PFAS Investigation, Treatment, Remediation and Consulting



### What is PFAS?

Per- and polyfluoroalkyl substances (PFAS) are a group of man-made chemicals that includes PFOA, PFOS, GenX and many other chemicals. PFAS have been manufactured and used in a variety of industries around the globe, including in the United States since the 1940s. PFOA and PFOS have been the most extensively produced and studied of these chemicals. Both chemicals are very persistent in the environment and in the human body – meaning they don't break down and they can accumulate over time. There is evidence that exposure to PFAS can lead to adverse human health effects. PFAS can be found in:



**Food** packaged in PFAS-containing materials, processed with equipment that used PFAS, or grown in PFAS-contaminated soil or water.



**Commercial household products**, including stain- and water-repellent fabrics, nonstick products (e.g., Teflon), polishes, waxes, paints, cleaning products and fire-fighting foams (a major source of groundwater contamination at airports and military bases where firefighting training occurs).



**Workplace**, including production facilities or industries (e.g., chrome plating, electronics manufacturing or oil recovery) that use PFAS.



**Drinking water**, typically localized and associated with a specific facility (e.g., manufacturer, landfill, wastewater treatment plant, firefighter training facility).



**Living organisms**, including fish, animals and humans, where PFAS have the ability to build up and persist over time.

### What are the new regulations?

The USEPA announced the final National Primary Drinking Water Regulation (NPDWR) for six PFAS. These are final, enforceable Maximum Concentration Levels (MCLs).

The USEPA has designated PFAS as a hazardous substance as defined under the Clean Water Act with a Reportable Quantity (RQ) of 1 pound.



## PFAS Experience

With a proven track record and a team of seasoned experts, including scientists, environmental compliance managers and principal engineers, Stanley Consultants is equipped to provide innovative solutions for PFAS challenges. Since 2001, Stanley Consultants has been at the forefront of PFAS investigations and mitigation, completing projects across the United States, and internationally for the Department of Defense. Our experts are ready to work with you today and can help with a wide range of services including identification of sources, assessment, investigation, reporting and remedial design.

### Identify PFAS Sources

- Evaluate PFAS use
- Identify potential PFAS source areas

### Assessment and Investigation

- Project Management Plan
- Accident Prevention Plan with Health and Safety Plan
- Community Relations Plan
- Uniform Federal Policy Quality Assurance Project Plan with Sampling Plan and Conceptual Site Model
- Soil, groundwater, surface water sampling
- Drinking water sampling
- Stormwater sampling

### Reporting

- New hazardous substance designation triggers additional reporting requirements for releases and on-site chemical management
- New drinking water standards trigger additional reporting

### Remedial Design

- POET and POUT – residential wells
- Soil and water landfill
- Colloidal activated carbon (CAC)
- Bench Scale Treatability
- Ion exchange (IX) resin
- Granular activated carbon

### Let's Navigate This Together:

At Stanley Consultants, we understand the complexities of PFAS and can help you solve your biggest challenges. Contact us today.



[www.stanleyconsultants.com](http://www.stanleyconsultants.com)



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