

Chemical Contaminants of Emerging Concern



Limiting Liability from PFAS and 1,4-Dioxane

Per- and polyfluoroalkyl substances, better known as PFAS, have dominated the emerging contaminants landscape for the last decade. PFAS and 1,4-Dioxane (1,4-D) represent significant challenges in investigation, remediation, and regulatory compliance. Scientific research and advancements in technology have helped industry gain a better understanding of the potential sources, human health risks, ecological impacts, characterization methods, and treatment alternatives. As regulatory guidance of PFAS and 1,4-D continues to evolve, there is a growing sense of uncertainty and urgency in both industry and the regulatory community.

Our culture at GES is to develop and implement practical solutions to our customers' current and future environmental challenges, including the challenges posed by emerging contaminants. PFAS and 1,4-D are both mobile, persistent, and challenging to remediate. The sources are varied and the regulatory requirements for investigation and remediation are rapidly evolving throughout the U.S.

What does this mean for your business? Have you identified your potential exposures for emerging contaminants? What are the regulatory requirements across the US? What actions are you required to take? What needs to be sampled and by what analytical methods? What does the data mean? What steps can you take now to limit your future liabilities? We can help.

GES can help you navigate the dynamic regulatory climate by developing assessment, treatment, and remediation methods associated with PFAS and 1,4-D. We'll start by educating you and helping you identify your potential exposures. We will help you determine what to sample, and what laboratories can perform the required analyses, and collect the samples using best practices developed for these challenging compounds. Let our experience and expertise work for you.

Every day we help clients sharpen their understanding of the current science and regulatory landscape while taking proactive steps towards future compliance in the form of data collection, modeling, and treatment alternatives to address these potential risks. Our emerging contaminants team is active in the industry in contributing to developing practices and bringing the latest information to our project teams.

Areas of Expertise

- Vulnerability assessment
- Site investigation
- Multi-media sampling
- Remedy selection and design
- Treatment and remediation
- Rapid response
- Regulatory-client advocacy
- Public participation support
- Waste management

