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PFAS Response Capabilities

Protecting, Enhancing, and Restoring our Environment

Creating solutions and delivering results since 1976

CTI AND ASSOCIATES, INC. (CTI) is a multi-disciplinary engineering and construction project-delivery firm specializing in Engineering, Environmental Compliance and Remediation. We integrate planning, analysis, engineering design, construction, and operations services to provide total project solutions that consistently meet and exceed client expectations. CTI's more than four decades of proven performance in the federal, state, municipal, and commercial market sectors is a true testament to our ability to deliver safe, reliable, and cost-competitive services, on schedule and within budget. CTI provides demonstrated expertise providing geotechnical engineering and environmental consulting and restoration services including addressing emerging contaminants such as PFOS/PFOA.

PFAS Related Services

- Remedial Investigation / Feasibility Studies
- Fate & Transport Modeling / 3D Visualization
- Risk Assessments
- In-situ and Ex-situ Remediation Design
- Remedial Construction
- Long-Term Operations / Long-Term Monitoring
- Remedial Process Optimization
- Sediment Remediation
- VOC/CVOC Plume Delineation and Remediation
- Landfill and Lagoon Closure / Caps
- Remedial Process Optimization

PFAS Value Added Solutions

With the complexities surrounding PFAS, including the nature of these compounds, lack of published guidelines, highly variable and evolving state requirements, advancing analytical methodology, and revisions and additions to screening/promulgated cleanup criteria there are numerous key considerations that require evaluation when developing a PFAS solution. CTI can utilize our knowledge base and lessons learned from past projects to support the development of a strategic plan to address this emerging contaminant. Our expertise and experience can provide the following benefits:

- Comprehensive due diligence to evaluate potential PFAS source areas from both AFFF and non-AFFF sources to properly identify on-site liabilities, as well as identification of potential nearby off-site source areas
- Development of site-specific sample designs utilizing our knowledge of PFAS fate and transport and CSM development tools to investigate the most complex sites
- CTI's PFAS Group stays apprised of the evolving nature of federal PFAS standards, state requirements, analytical methodology, and toxicology; assuring our clients that we can help them stay aware of upcoming changes and properly plan for future responses that may be required
- Our in-house chemistry expertise can support PFAS forensic analysis to evaluate other potential responsible parties when PFAS plumes become comingled
- We have more than 30 years experience keeping our clients in compliance with all federal and state regulations, and we will continue to provide compliance services as expected new PFAS regulations are released for waste disposal, NPDES permitting, and air emissions

Corporate Headquarters

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PFAS Response Representative Experience

Advanced Disposal PFAS Groundwater Treatment System

Engaged to investigate and design treatment options for approximately 2 million gallons of surface water and sediments known to contain elevated PFAS compounds.



PFAS Remedial Investigations at ANG Installations

Conducting PFAS RIs at > 20 AFFF and non-AFFF related release areas at four ANG Installations. Investigations include assessment of PFAS migration within complex karst and multiple aquifer groundwater flow systems.



PFAS Treatment Research Project

Awarded US EPA's 2020 Small Business Innovation and Research (SBIR) Phase I grant to fund a bench-scale treatability and preliminary pilot study using leachate collected from the Smiths Creek Landfill (SCL).



Representative Clients and Partners



Office Locations

- Farmington Hills, MI (Headquarters)
- Aiken, SC
- Akron, OH
- Knoxville, TN
- Los Alamos, NM
- Idaho Falls, ID
- Oak Ridge, TN
- Sheboygan, WI

CTI's Federal Footprint

