

TECHNICAL CONSULTING

CAPABILITY STATEMENT

Partnering to deliver results-focused solutions

Company Overview

Tandem Environmental LLC provides specialized technical consulting in hydrogeology, PFAS fate and transport assessment, and high-resolution site characterization.

The firm supports environmental consulting companies, government programs, and research groups by supplementing technical teams, strengthening data interpretation, and advancing defensible science-based decisions at complex sites.

By providing focused technical expertise, Tandem enhances proposal competitiveness and supports project execution.

Core Capabilities

Tandem delivers multidisciplinary technical support designed to strengthen project teams, enhance data defensibility, and advance science-based solutions.

- **Hydrogeology:** Design and interpretation of hydrogeologic investigations, evaluation of hydraulic and lithologic data, and integration of groundwater dynamics into site characterization and remedial planning.
- **High-Resolution Site Characterization:** Adaptive investigation design that integrates lithology, hydraulics, and geochemistry to refine conceptual site models and guide remediation strategies.
- **PFAS Expertise:** Source-strength and forensic evaluation, mass flux and discharge analysis, precursor transformation assessment, and regulatory interpretation. Supports data defensibility, site prioritization, and adaptive management of complex PFAS impacts.
- **Technical Review:** Independent evaluation of investigation designs, analytical data, and conceptual models to strengthen technical defensibility and align with regulatory expectations.
- **Data Visualization:** Direction and refinement of multidimensional CSMs and visual data synthesis to communicate hydrostratigraphy, transport, and remedial progress effectively to project teams and stakeholders.



TANDEM
ENVIRONMENTAL

Science-Driven Solutions for Complex Sites

PFAS | Hydrogeology | Adaptive Site
Characterization | Mass Flux / Discharge

Kristen Hasbrouck, PG, CPG
Principal Hydrogeologist (Founder)

Company Name

Tandem Environmental LLC

Website

www.TandemEnvironmental.com

Location

Traverse City, Michigan

Email

Info@TandemEnv.com

Phone No

231-715-1557

NAICS Codes

541620 : Environmental Consulting Services

541690 : Other Scientific & Technical Consulting
Services

541330 : Engineering Services

562910 : Remediation Services

541990 : Other Professional, Scientific, and
Technical Services

541715 : Research & Development in Physical,
Engineering, and Life Sciences

Technical Differentiators

- **PFAS Expertise:** Specialized knowledge in fate & transport, flux/discharge, and adaptive site characterization
- **Multi-Agency Experience:** Proven performance in USACE, AFCEC, and EPA programs
- **Data Integration:** Strength in synthesizing hydrogeologic and geochemical data
- **Collaboration:** Enhances proposal competitiveness and project delivery
- **Technical Defensibility:** Strengthens credibility for high-visibility programs

Compliance & Certifications

- UEI: XNW8HJ67K9X5
- CAGE Code: 16DZ1
- SBA WOSB (Certification in Progress, 2025)
- Michigan Registered Business Entity
- Professional Geologist (TX), Certified Professional Geologist (AIPG)
- USACE/NAVFAC Construction Quality Management
- OSHA HAZWOPER (40 hour + Supervisor)

Let's work in Tandem

Tandem Environmental partners with project teams and program leaders to strengthen proposals, enhance technical defensibility, and deliver results-focused solutions for complex sites.



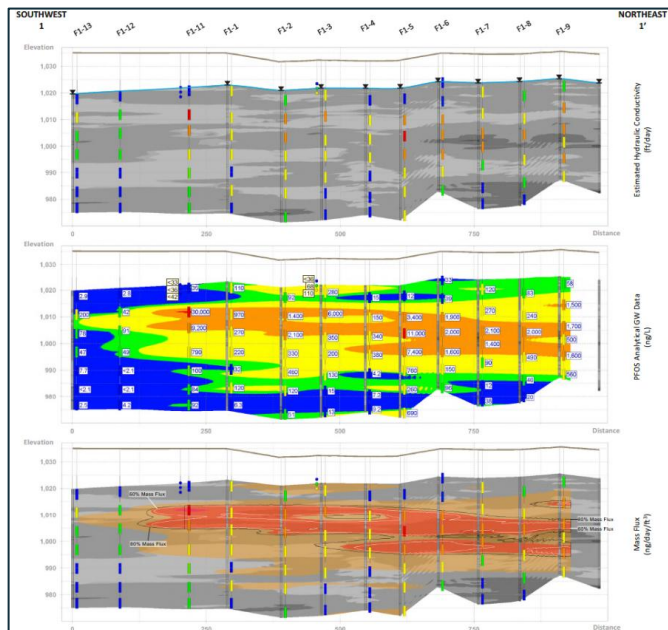
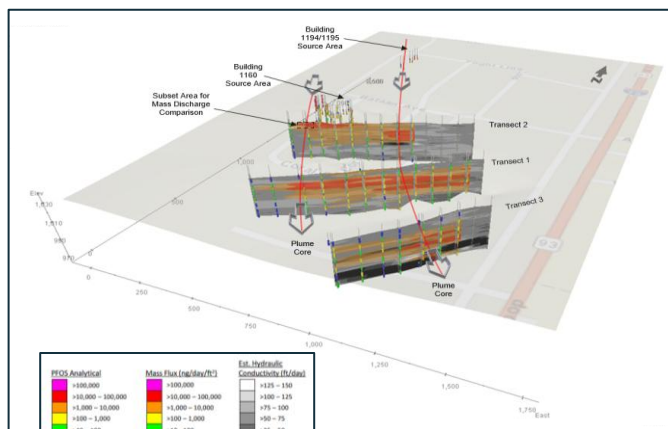
Contact Info



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Top: 3D oblique view from EVS model (Ctech, Inc.) illustrating estimated PFOS mass flux on transects downgradient of a source area; completed as part of ESTCP Project ER19-5203

Middle: Hydraulic conductivity and PFOS mass flux transect views with vertical aquifer profiling sampling, legends for top figure also apply to this figure; completed as part of ESTCP Project ER19-5203

Bottom: PFOS concentrations measured in a multilevel well paired with GWT elevation (blue triangle) and GWT trend (blue arrow); completed as part of ESTCP Project ER20-5026

