



STATEMENT OF QUALIFICATIONS

WWW.BSTIWEB.COM

3157 Limestone Rd, Cochranville, PA 19330 | 610.593.5500

WELCOME



BSTI HEADQUARTERS
THE SAMUEL COCHRAN HOUSE
CIRC. 1790



Hello, and thank you for your interest in Brownfield Science & Technology, Inc. (BSTI). It's hard for me to believe that it's been 26 years since we first created BSTI. While the world has changed quite a bit, our values and beliefs have remained the same. We've never waived in our commitment to deliver the best possible services to our clients while caring for the well-being of our staff and their families.

With so many choices in the environmental consulting marketplace, being smart and experienced are no longer the only meaningful differentiators among consulting firms. The good firms understand your business first, and then apply the "smart and experienced" part. The good firms can communicate scientific and regulatory information in a way that is concise and meaningful to you. The good firms think in terms of value delivered and objectives met. There are good firms out there, and I believe that BSTI is among the best of them.

Included within these pages is a brief summary of our company, the services we offer, and the value of our people. I invite you to reach out to any of us or visit our website www.bstiweb.com for more information.

Debora Kollmeier

Debora M. Kollmeier
President



OUTSTANDING IN OUR FIELD



BSTI is an earth sciences consulting company specializing in environmental assessment, remediation, and consulting services to the private and public sector clients. Since our founding in 1999, BSTI has completed over 1,150 projects throughout the United States.

BSTI's nimbleness and agility allow us to promptly respond to fast-paced environmental requests such as permitting, data acquisition, and due diligence for property transactions. We also are well experienced with longer term, complex environmental issues that often require multi-leveled technical and strategic thinking, financial forecasting, and objective attainment planning.

The BSTI team consists of Environmental Scientists, Engineers, Hydrogeologists, Biologists, Wetlands Specialists, Chemists, Remediation Specialists, and Technicians. Our advanced degrees, licenses, and certifications include:

- B.S. in Geology, Environmental Science, Pollution and Treatment Sciences, Natural Resource Management, Engineering, Chemistry, Biology
- M.S. in Geology, Geochemistry, Environmental Engineering, and Environmental Economics
- Ph.D. in Geochemistry
- Professional Geologist (P.G.)
- Professional Engineer (P.E.)
- Licensed Waste Water Treatment System Operator
- New Jersey Licensed Site Remediation Professional (LSRP)



MARKETS SERVED

BSTI provides our services to a wide array of clients across multiple market sectors. The science and technology behind our work apply across all of our market sectors. The key to success lies in our understanding of our client's objectives, sensitivities, and constraints from their perspective.

Our senior staff consists of market-specific experts who are tuned in to the unique challenges that their clients face every day. While other firms tend to speak in technical lingo, we communicate with our clients and their support teams in their language.

BSTI is actively serving the following markets:

- Agriculture
- Energy and Utilities
- Financial and Banking
- Human Services (schools/medical)
- Industrial and Manufacturing
- Insurance
- Legal/Litigation
- Mining
- Municipal and State Governments
- Real Estate and Land Development
- Transportation and Infrastructure
- Water Supply
- Wastewater

SERVICE AREA



Headquartered in southeastern Pennsylvania, our daily in-field footprint is throughout the Mid-Atlantic and Northeast regions. We have cost-effectively mobilized BSTI teams as far west as Alaska and as far south as Mississippi.

Our consulting reach spans the entire United States.



PRACTICE LEADERS



ENVIRONMENTAL COMPLIANCE / POLICY AND PROGRAM GUIDANCE

William "Tripp" Fischer, PG (Vice President, Chief Science Officer) specializes in environmental strategic planning, site assessment, remedial decision-making, litigation support, risk-based corrective action, risk assessment, and environmental policy. Mr. Fischer serves on the ASTM International Board of Directors, is a scientific and organizational advisor to two higher education institutions, and has led international teams in the development of standards and guidance including ITRC's LNAPL team and ASTM's committee on environmental corrective action.



DISTRESSED PROPERTY CONSULTING

Joseph Kraycik, PG, CQA has over 25 years of experience in brownfields redevelopment and community revitalization, demonstrating a successful track record of progressing sites from investigation through redevelopment. He has secured and implemented numerous EPA Assessment and Revolving Loan Fund Grants and advises clients on best practices for establishing sustainable brownfield programs. Mr. Kraycik has been recognized with four prestigious brownfields redevelopment excellence awards for public and private projects in EPA Region 3.



REMEDIATION

Tony Finding, CHMM (Vice President, Chief Operating Officer) has over 27 years of industry experience specializing in contaminated site management, remedial investigation, remedial program design, and remedial implementation. He has developed remedial strategies for traditional and emerging contaminants, implemented remedial technology selection assessments, and created life cycle cost projections. Mr. Finding served as an active Interstate Technology and Regulatory Council (ITRC) team member for the development of the Remediation Management of Complex Sites guidance document published in 2017.



DATA COLLECTION AND MANAGEMENT / NATURAL RESOURCES MANAGEMENT

Shaun Quinlan has over 20 years of experience specializing in contaminated site management, design and implementation of data acquisition programs, wastewater disposal mitigation, ecological studies, avian habitat monitoring, and data quality controls. Mr. Quinlan developed and leads BSTI's Field Services Quality Program which includes staff training, development of SOPs, and staff oversight.



PROGRAM AND POLICY CONSULTING

Dr. Nicholas Santella, Ph.D., P.G. has over 20 years of experience specializing in environmental chemistry, tracer hydrology, probabilistic risk analysis, vapor intrusion studies, data validation, litigation support, and regulatory program review. Dr. Santella has authored numerous articles on environmental and homeland security matters and has presented widely on evaluating natural hazard risk to industry, critical infrastructure modeling, and environmental contaminant fate and transport. He was a coauthor of the NJDEP Technical Guidance "Planning for and Response to Catastrophic Events at Contaminated Sites."





SERVICE AREA

ENVIRONMENTAL COMPLIANCE



Businesses face environmental compliance matters every day. Sometimes the primary goal is to remain compliant with environmental protection and cleanup regulations. Other times support is needed to defend a complaint, respond to a violation, or recover costs for prior damages. It's not only your time and money, it's your company's image at stake.

Common areas in which our talent, credentials, and experience have benefited our clients include:

- CERCLA Representation
- Distressed Property Transaction Support
- Environmental Program Auditing
- Expert Testimony
- Litigation Support
- NJ Industrial Site Recovery Act (ISRA) Compliance
- New Jersey Licensed Site Remediation Professional (LSRP) Services
- Permit Compliance
- Regulatory Compliance
- Risk Assessment





SERVICE AREA

DISTRESSED PROPERTY CONSULTING



When buying or selling a property with environmental considerations, you need environmental experts who don't just stop at the initial findings of a site assessment. We have the expertise and experience to dive deeper and explain what it all means and what strategies are available to keep your deal moving forward.

We also bring years of remediation practice into the process of predicting, negotiating, and implementing post-closing obligations.

Our expertise in this service area includes:

- Activity and Use Limitations
- Brownfield Redevelopment
- Buyer-Seller Agreements
- NJDEP Preliminary Assessments
- Phase I Environmental Site Assessments
- Phase II Environmental Site Assessments
- Soil and Groundwater Investigations
- Technical Support for Legal Counsel
- Vapor Intrusion Studies
- Voluntary Cleanup Programs





SERVICE AREA REMEDiation



The best remedial approaches reach beyond the treatability studies and on-paper designs and incorporate in-field site circumstances, client goals, life cycle costs, and importantly, closure strategies. Because we don't sell or represent any particular products or services, we always remain objective in our remedial recommendations. We were born and raised on great remediation projects. Confidence in our ability to achieve remedial objectives has resulted in the removal of over 3,500,000 pounds of contaminants on our projects .

Some aspects of our remediation practice include:

- Equipment Customization and Integration
- Exit Strategies
- Feasibility Studies and Pilot Testing
- In-situ Bio/Chemical Treatments
- Life Cycle Cost Projections
- LNAPL /DNAPL Recovery
- Operations and Maintenance
- Remedy Screening and Selection
- Risk-Based Closure
- Short/Long-Term Mobile Equipment Sourcing
- System Design, Construction, and Operation
- System Troubleshooting and Repair
- Under-Performing System Optimization
- Vapor Mitigation Remedies





SERVICE AREA

DATA COLLECTION & ANALYTICS



Over the years, we've learned that having a top-notch field practice benefits everything we do. Precise in-field data collection and smart decision-making brings a high level of confidence to the data interpretation processes that follows. Be it air, water, soil, sediment, wetlands, storm water, or permitted outfalls, our clients know that we will deliver purposeful data that stands strong.

Our staff, equipment, and quality assurance practices allow us to efficiently conduct a wide variety of field services in-house for our clients.. Field services that we provide include:

- Aquifer Testing
- Biosolids Sampling
- LNAPL / DNAPL Evaluation
- Monitoring Well Sampling
- Mobile Analytical Services
- NAPL Transmissivity Analysis
- NJ Certified Laboratory Services
- Quality Assurance Auditing
- Remediation Technology Pilot Testing
- Remediation System Checks / Operation / Maintenance
- Sediment Sampling
- Soil and Groundwater Investigations
- Soil Gas and Vapor Intrusion Studies
- Stream Gauging
- Wet and Dry Storm Water Sampling





SERVICE AREA

NATURAL RESOURCES MANAGEMENT



Beyond the scope of chemical contamination, BSTI offers scientific expertise in managing the environmental, ecological, and hydrologic systems affected by human activity. Our services address regulatory requirements, stakeholder expectations, and the sustainability of natural resources across a range of project types.

Our expertise in this field includes:

- Avian Habitat Monitoring
- Climate Vulnerability Assessment
- Desktop Evaluations and Feasibility Studies
- Ecological Monitoring and Risk Assessment
- Environmental Impact Analysis
- GIS Mapping and Spatial Analysis
- Hydrodynamic Modeling
- Permitting
- Public Outreach and Planning
- Storm Water / Sediment Track-back Studies
- Surface Water and Groundwater Management
- Wastewater discharge mitigation
- Water Sourcing
- Wetlands Management





SERVICE AREA

PROGRAM & POLICY CONSULTING



Our clients benefit from direct access to the top subject-matter experts in the country. The foundation of our in-house talent is extensive academic training from prestigious research institutions such as Lamont-Doherty Earth Observatory, Los Alamos National Laboratory, USEPA, USGS, and the Yellowstone Bighorn Research Association. Our subject-matter experts develop industry guidance, international standards, interdisciplinary study reports, and customized procedural documents. Private and public organizations have found us effective for streamlining processes, documenting procedures, and educating employees and the public on complex scientific topics. From there, we add decades of practical experience and a problem-solving mindset to discover solutions where none were apparent. Examples of our services include:

- Climate Change Vulnerability assessment and adaptability planning
- Environmental Compliance Program consulting
- State Regulatory Guidance development
- Natural Hazard research and planning
- Municipal Government technical representation
- Expert opinions and testimony
- International Standards development (ASTM)
- Environmental Justice Program implementation
- Public Outreach and Education Programs
- Process oriented decision-making
- Water/wastewater management consulting





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