

A large graphic element consisting of three overlapping, curved bands in blue, green, and orange, forming a partial circle around the text.

BSTI

solving complex
environmental problems

STATEMENT OF QUALIFICATIONS

WWW.BSTIWEB.COM

3157 Limestone Rd, Cochranville, PA 19330 | 610.593.5500

TO OUR READER



BSTI HEADQUARTERS
THE SAMUEL COCHRAN HOUSE
CIRC. 1790



Welcome and thank you for your interest in Brownfield Science & Technology, Inc. (BSTI). BSTI is a WBENC-Certified Woman's Business Enterprise offering a wide range of specialty services in the environmental, contaminated site and earth sciences arenas.

With so many choices in the marketplace, being smart and experienced are no longer the only meaningful differentiators amongst consulting firms. The good firms understand your business first and then apply the "smart and experienced." The good firms can communicate scientific and regulatory information in a way that is concise and clear 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 one 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 for more information.

Thank you for your attention,

Debbie M. Kollmeier

Debbie Kollmeier
President & CFO

3157 Limestone Road, Cochranville, PA 19330

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www.BSTIweb.com



OUTSTANDING IN OUR FIELD



BSTI is an earth sciences company specializing in environmental assessment, remediation and consulting services to the private and public sectors. Our clients include site owners, government agencies, stakeholder groups, developers, legal counsel, prospective purchasers and other environmental consultants.



Formed in 1999, BSTI has completed over 850 projects throughout the United States, focusing mainly in the Mid-Atlantic and Northeast. Our Pennsylvania office is strategically positioned to provide efficient geographic coverage in these regions.



BSTI offers the intimacy and responsiveness of a small company while providing the expertise expected of a larger firm. Every project, large or small, is managed and staffed by experts using systematic processes and a results-oriented attitude.



EXPERTISE



CREDENTIALS

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

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

AFFILIATIONS

- American Geophysical Union (AGU)
- American Society for Testing and Materials (ASTM)
- Association of Environmental and Engineering Geologists
- Institute of Hazardous Materials Management (IHMM)
- Interstate Technology and Regulatory Council (ITRC)
- National Ground Water Association (NGWA)
- Society of Women Environmental Professionals (SWEP)
- Women's Business Enterprise



SENIOR LEADERSHIP



Debora Kollmeier (President & Chief Financial Officer) earned her Bachelor's degree in Human Resources from the University of Delaware in 1987. Specializing in contracts negotiation, human resources, financial management and business development, Ms. Kollmeier is responsible for overall financial and risk management of the company. Ms. Kollmeier is also active in women's business initiatives and community outreach.

E: dkollmeier@bstiweb.com



John Kollmeier (Sr. Vice President and Chief Executive Officer) earned his Bachelor's degree in Geography/Climatology from the University of Delaware in 1986. Specializing in project management, regulatory compliance, site assessment and remediation strategy, he has successfully completed over 750 projects in his career. Mr. Kollmeier is responsible for the oversight and development of all technical staff as well as strategic planning.

E: jkollmeier@bstiweb.com



Tripp Fischer (Vice President and Chief Science Officer) earned his Bachelor's degree in Geology from West Chester University in 1996 and his Master's degree in Environmental Engineering from the Pennsylvania State University in 2002. Mr. Fischer specializes in environmental strategic planning, site assessment, remedial decision-making, risk-based corrective action/risk assessment and environmental policy.

E: tfischer@bstiweb.com



Anthony Finding (Vice President and Chief Operating Officer) earned his Bachelor's degree in Environmental Science from Slippery Rock University in 1997. Mr. Finding is a Certified Hazardous Materials Manager, a New Jersey Certified Industrial Waste Water Treatment System Operator (Class N-2) and a Maryland Waste Water Treatment System Operator (Class I-1). He specializes in project management, remedial strategic planning, feasibility testing and remedial implementation.

E: tfinding@bstiweb.com



Dr. Nicholas Santella (Principal Geochemist, Ph.D., P.G.) earned his Bachelor's degree in Chemistry at Rutgers University in 1999 and his Ph.D. in Geological Sciences from Columbia University in 2005. Dr. Santella has authored numerous articles on environmental, engineering and homeland security matters. His specialties include environmental chemistry, tracer hydrology, probabilistic risk analysis, vapor intrusion studies, data validation and project management.

E: nsantella@bstiweb.com



SAFETY & SERVICE AREA



SAFETY

BSTI's Corporate Health and Safety Program provides procedures for identifying, evaluating and controlling safety hazards as well as for implementing mechanisms to deliver continuously improved workplace safety. BSTI maintains health and safety control by imposing our high standards on all subcontractors and by ensuring all personnel, including subcontractors, complete required and advanced training.

At a minimum, all on-site personnel have OSHA 40 Hour Hazardous Waste Operations and Emergency Response training in accordance with CFR1910.120. On-site personnel have additional OSHA Construction 10 hr labor and 30 hr supervisor certifications, Supervisory Training and First Aid/CPR Training.

SERVICE AREA



Headquartered in southeastern Pennsylvania, BSTI is well positioned to support projects throughout the Northeast and Mid-Atlantic Region.

In addition, we have cost-effectively mobilized BSTI teams as far west as California and as far south as Georgia to assist our clients in developing and implementing solutions.





ENVIRONMENTAL LIABILITY PROTECTION



Businesses face environmental liability 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 clients include:

- CERCLA Representation
- Expert Testimony
- Industrial Site Recovery Act (ISRA) Compliance
- New Jersey Licensed Site Remediation Professional (LSRP) Services
- Litigation Support
- Permit Compliance
- Real Estate Transaction Strategies
- Regulatory Compliance
- Risk Assessment





FIELD SERVICES



Over the years, we've learned that having a top-notch field practice benefits everything we do. From precise data collection to smart decision-making during exploratory sampling, a really good field team is critical to our projects. Our staff, certifications, equipment and practices allow us to efficiently conduct a wide variety of field services in house. Be it air, water, soil, sediment, wetlands, storm water or permitted outfalls, our clients have confidence that we will deliver purposeful data that stands strong. Field services that we provide include:

- Aquifer Testing
- Biologic Sampling
- Conceptual Modeling
- Fate and Transport Modeling
- LNAPL / DNAPL Evaluation
- Monitoring Well Sampling
- Mobile Analytical Services
- NJ Certified Laboratory Services
- Remediation Technology Pilot Testing
- Remediation System Installation
- Remediation System Checks / Operation / Maintenance
- Sediment Sampling
- Soil and Groundwater Investigations
- Soil Gas and Vapor Intrusion Studies
- Storage Tank Assessment / Removal
- Stream Gauging
- Transmissivity Analysis
- Vulnerability Assessments & Audits
- Wet and Dry Storm





TRANSACTIONAL CONSULTING



When transacting a property with environmental considerations, you need an environmental expert who doesn't just stop at the data. 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 are trusted advisers to stake holders, legal counsel, lending institutions and real estate professionals. Our experience ranges from individual properties to large redevelopment projects, assisting in activities such as:

- Activity and Use Limitations
- Brownfield Redevelopment
- Buyer-Seller Agreements
- Child Care Facility Approvals (NJ)
- Legal Counsel Support
- NJDEP Preliminary Assessments
- Phase I Environmental Site Assessments
- Phase II Environmental Site Assessments
- Soil and Groundwater Investigations
- Voluntary Cleanup Programs





REMEDIATION



The best remedial approach is one that goes beyond just the treatability aspects and incorporates actual site circumstances, client goals, timing and financial constraints. And because we don't sell or represent any particular products or services, we always remain objective in our recommendations. We were born and raised on great remediation projects. Confidence in our ability to clean up a site has resulted in the removal of over 3,000,000 pounds of contaminants from our region. From Petroleum Hydrocarbons to Perfluorinated Compounds, our breadth of remediation services include:

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





EMERGING CONTAMINANTS



BSTI is on the front lines of assessing and remediating what are commonly called Emerging Contaminants. In the past few years, we've developed and implemented innovative monitoring processes for Covid-19 in wastewater that provide for early detection of community outbreaks. We've also designed and implemented a capture and treatment system that has prevented millions of gallons of PFAS and AFFF impacted stormwater from entering nearby streams and storm sewers. Much of our success stems from our knowledge of in-field remediation tactics and the resourcefulness that comes from many years of applied science.

- Auto-sampling systems
- Rapid response to releases
- Capture, collection, and treatment systems
- Operations and maintenance
- Regulatory compliance
- Treatment media specification
- Data validation
- Soil, groundwater, and surface water sampling
- Fate and Transport Modeling
- Best Practices Development
- Laboratory analytical consulting



OIL AND GAS COMPLIANCE SERVICES



Maintaining compliance with government regulations can be a daunting task for oil and gas operations. BSTI has experience working with oil and gas companies to help manage environmental compliance programs. Our approach focuses on adhering to relevant regulations and setting the right environmental, health and safety systems in place to ensure that both your organization and staff succeed. BSTI's approach improves business performance, reduces operating costs and exposure to risk, and strengthens relationships with stakeholders.

- Project Planning
 - Feasibility Studies
 - Construction Oversight Support
 - Professional Geologists
 - Construction Managers
 - Field Technicians
 - Spill Prevention, Control and Countermeasures
 - Preparedness, Prevention and Contingency (PPC) Emergency Response Plans
 - National Pollution Discharge Elimination System (NPDES) Permitting
 - Erosion and Sediment Control Plans (ESCP)
 - Storm Water Pollution Prevention Plans (SWPPP)
 - Water Supply Surveys and Assessments
 - Community Outreach
 - Stream and Wetland Encroachment Permitting
 - Wetland Delineation and Mitigation
 - Ecological Risk Assessments
- Water Quality Sampling (pre/post drill baseline)
- Wastewater
 - Storm water
 - Surface water
 - Groundwater
- Environmental Services
- Due Diligence
 - Assessments and Investigations
 - Impact Statements
 - Spill Response
 - Permitting and Compliance
 - Remediation





NATURAL RESOURCE MANAGEMENT



In addition to the world of chemical contamination and cleanup, we provide expertise in measuring and managing the physical impacts of people on the natural environment. This includes assistance with permitting, surface/storm water modeling and routine discharge monitoring. We own and maintain an extensive list of mapping and modeling software to perform such activities and provide useful visuals for our clients and the public. Our expertise in this field includes:

- Environmental Impact Analysis
- Geographic Information System Design
- Permitting
- Project Management
- Public Outreach and Planning
- Storm Water / Sediment Trace-back Studies
- Surface Water and Groundwater Management
- Wetlands Management



SCIENTIFIC RESEARCH



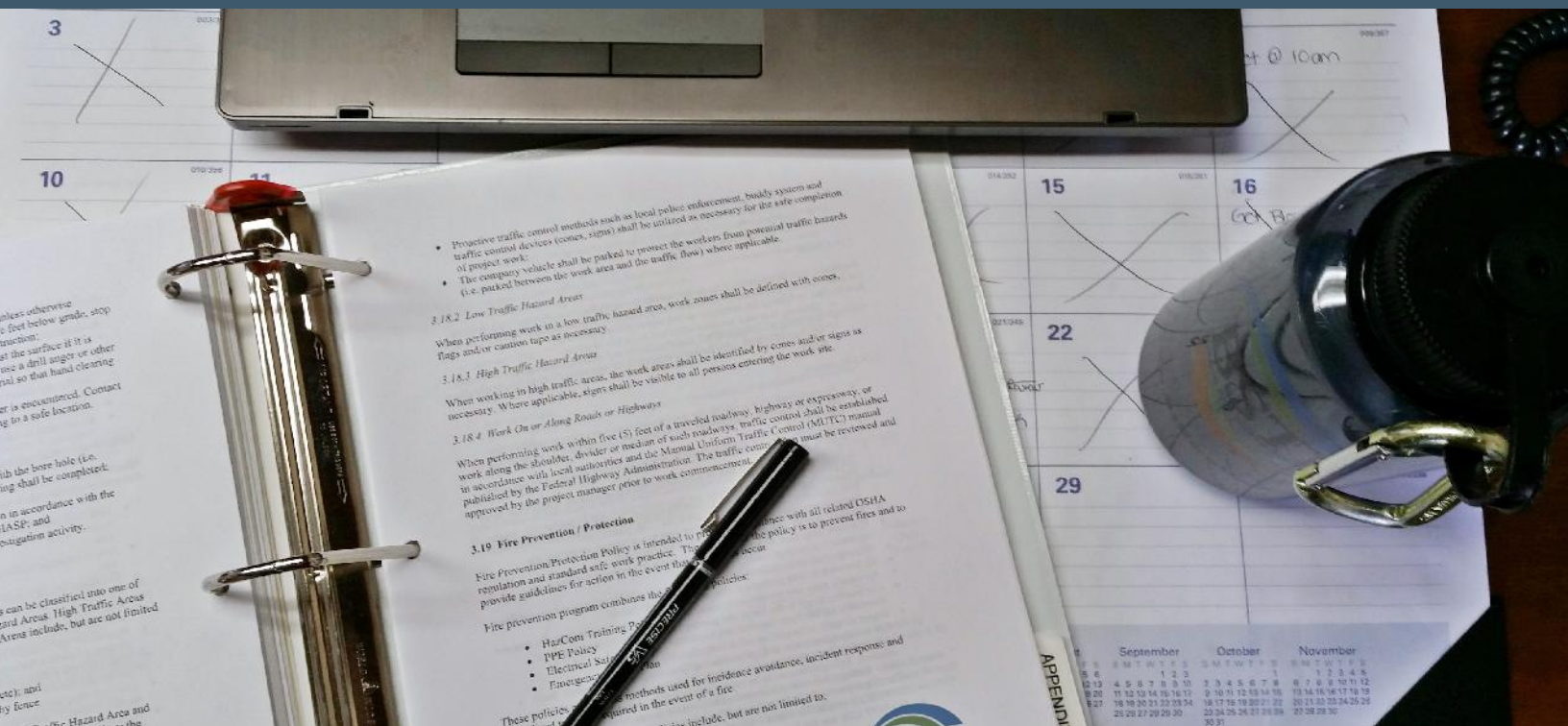
Through in-house talent and our national network of colleagues, our clients can benefit from direct access to the top subject-matter experts in the country. The foundation of our in-house talent is extensive academic training from prestigious research institutions such as Lamont-Doherty Earth Observatory, Los Alamos National Laboratory, USEPA, USGS and the Yellowstone Bighorn Research Association. 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:

- Cost / Benefit Analysis
- Data Analysis and Interpretation
- Facility Adaptability Plans for Extreme Weather
- Fate and Transport Modeling
- Forensic Sciences
- CERCLA Cost Allocation
- Natural Hazard Research and Planning
- Regulatory Policy Assistance
- Storm Surge and Sea Level Rise Vulnerability
- Aquifer Studies
- Sustainability and Waste Minimization
- Wastewater Treatment Solutions





TECHNICAL WRITING



Our professionals have extensive experience developing industry guidance, international standards, bid specifications and customized procedural documents. We've worked independently and as leaders of multi-disciplinary groups for consensus-based standards. Private and public organizations have found us effective for streamlining processes, documenting procedures and educating employees and the public on complex scientific topics. Subject matter has included:

- Contaminated Property Redevelopment
- Contract and Bid Specifications
- Emergency Management
- Environmental Assessment and Remediation
- Expert Opinions
- Industrial Housekeeping
- International Standards (ASTM)
- Regulatory Compliance
- Regulatory Guidance Documents
- Standard Development Organizations (SDO)
- Standard Operating Procedures
- State Regulatory Guidance (ITRC)
- Technical Editing and Review





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