



PROFESSIONAL PROFILE



Thomas Biolsi, PG, LG

Principal Geologist

EXPERIENCE SUMMARY

Twenty-six years of experience: Principal Geologist with Roux (Present); Senior Project Manager with TRC (2005-2021); Project Manager with EA Engineering, Science, and Technology (2000-2005); Field and Project Geologist with ICF Kaiser/IT Corporation (1997-2000).

TECHNICAL SPECIALTIES

Mr. Biolsi has 26 years of environmental consulting experience including managing and performing Brownfields, due diligence, regulatory compliance, hazardous waste site assessment, and remediation projects. Mr. Biolsi is a Professional Geologist in New Hampshire and a Certified Geologist in Maine. Mr. Biolsi's expertise includes client and project management and direction of junior staff, Phase I/II due diligence services, in-depth knowledge of various field sampling and site investigative technologies, community outreach, health and safety and construction oversight, regulatory report generation, compliance reviews, and budget tracking. Mr. Biolsi has completed hundreds of projects for a broad range of clients including regional planning agencies, numerous municipalities, the Massachusetts Department of Environmental Protection, Environmental Protection Agency, the Army Corps of Engineers, Department of Defense, Department of the Navy, banks, insurance agencies, attorneys, large and local developers, large corporations, and large energy companies.

CONTACT INFORMATION

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EDUCATION

BS, Earth Sciences/Geology,
University of Maryland at
College Park, 1996

PROFESSIONAL LICENSES

Professional Geologist, New
Hampshire, No. 785, 2010
Licensed Geologist, Maine, No.
GE523; 2009
Certified Hazardous Materials
Manager, No. 15395, 2010
(expired 2015)

REPRESENTATIVE PROJECTS

Brownfields Assessment, Cleanup Planning, and Cleanup

- Berkshire Regional Planning Commission (BRPC), EPA Brownfields Assessment and Cleanup Planning, Western Massachusetts.** Mr. Biolsi managed all of BRPC's EPA Brownfields Assessment and Cleanup Planning grant programs since 2005, which encompasses two cities and 30 towns. Mr. Biolsi was responsible for client and regulatory interactions with the EPA and DEP, subcontractor coordination, budget tracking, technical direction, junior staff coordination, and day-to-day activities. Mr. Biolsi successfully managed the completion of dozens of Phase I ESAs, Phase II ESAs, QAPPs, HASPs, underground storage tank removals, cleanup and reuse planning, hazardous building material surveys, and numerous regulatory submittals. Mr. Biolsi managed all types of media sampling (e.g., soil, groundwater, sediment, indoor air, sub-slab soil gas) in accordance with dozens of site-specific QAPP Addenda, including at several high-profile sensitive properties (high school, public library, public retail establishments, etc.), some working with attorneys. Mr. Biolsi conducted community outreach and routinely presented assessment findings during public meetings, provided integral project and budget status updates on all of BRPC's sites.
- Town of Great Barrington, EPA Brownfields Assessment and Cleanup Planning, Great Barrington, Massachusetts.** Mr. Biolsi managed the Town's EPA Brownfield Assessment and Cleanup Planning grant program, which focused on three priority sites: former dry cleaner site, former auto repair garage, and former gas station/retail establishment with large historic gasoline release. Mr. Biolsi managed multiple rounds of assessment on the sites and surrounding off-site properties of the former dry cleaner site (Reid Cleaners), involving an in-depth historical review, strategic soil and groundwater sampling, vapor intrusion evaluation, and sampling of indoor air and sub-slab soil vapors for chlorinated solvents (primarily PCE). Mr. Biolsi managed the removal of four above-ground storage tanks and hazardous building material surveys. Mr. Biolsi managed the preparation and submittal of regulatory documents along with an extensive remedial evaluation summary to the Town to foster interest to developers and prospective buyers. Mr. Biolsi presented the assessment findings of all three sites during a public meeting in 2021 via Zoom.

- **Town of Adams, EPA Brownfields Assessment and Cleanup Planning and EPA Cleanup Grant, Adams, Massachusetts.** Mr. Biolsi managed the Town's EPA Brownfield Assessment and Cleanup Planning grant program, which focused on several priority sites: two former auto service and repair garages, former large industrial paper mill, and former coal storage facility near an active rail trail. Mr. Biolsi also managed the Town's EPA Brownfields Cleanup grant for the former coal storage facility (former Hoosac Valley Coal and Grain site) which is ongoing. Mr. Biolsi managed the completion of Phase I ESAs, Phase II ESAs, QAPPs, HASPs, underground storage tank removals, cleanup and reuse planning, and regulatory submittals. Mr. Biolsi coordinated with the Town and EPA with public outreach activities.
 - **Town of Lee, EPA Brownfields Assessment and Cleanup Planning, Lee, Massachusetts.** Mr. Biolsi managed the Town's EPA Brownfield Assessment and Cleanup Planning grant program, which focused on four large former paper mills. Mr. Biolsi managed the development of four site-specific QAPPs and HASPs to perform comprehensive hazardous building material surveys of three of the four sites, including asbestos, lead-based paint, PCBs, and hazardous/regulated material inventory. Mr. Biolsi also managed Phase II assessment activities at the fourth mill (Eagle Mill) involving soil and groundwater sampling, sub-slab soil gas testing, bulk asbestos sampling, sludge sampling, and extensive coordination with the local developer to facilitate the ongoing development into a mixed-use retail and condominium complex. Mr. Biolsi presented the findings at public outreach meetings and pre-development meetings.
 - **City of Springfield/MassDEP, EPA Brownfields Hazardous Site Assessment and Cleanup Planning, Springfield, Massachusetts.** Mr. Biolsi managed environmental site investigation activities at six sites, including the Union Station property and the historic former Indian Motorcycle and former Mason Square Fire Station properties in downtown Springfield. Mr. Biolsi led a vapor intrusion study at the former Indian Motorcycle manufacturing facility building, inclusive of collecting soil gas and multiple rounds of indoor air samples. Mr. Biolsi managed the assessment and cleanup planning of the Union Station site to facilitate the redevelopment into a modern \$80M intermodal transportation facility, which won the National Phoenix Award at the 2017 National Brownfields Conference. Mr. Biolsi managed the environmental assessment work including the excavation and removal of two large underground storage tanks; sampling of soil, groundwater, soil-gas, and non-aqueous phase liquid; and generation of regulatory submittals. Mr. Biolsi was responsible for client and regulatory interactions with EPA and DEP, subcontractor coordination, budget tracking, technical direction, junior staff coordination, and day-to-day activities.
 - **City of Pittsfield, EPA Brownfields Assessment and Cleanup Planning, Former Stetson Dry Cleaners Site, Pittsfield, Massachusetts.** Mr. Biolsi managed the City of Pittsfield's \$350,000 site-specific Brownfields Assessment grant project for the former Stetson Dry Cleaner site in downtown Pittsfield, and subsequent investigations through BRPC's Brownfield Hazardous Assessment Grant program. Mr. Biolsi managed the generation and approval of a comprehensive QAPP Addendum, video pipe inspection and soil vapor survey along 1,600 linear feet of sanitary sewer line, extensive sub-slab and indoor air sampling at several off-site properties, numerous bedrock well installations and sampling, remediation of chlorinated solvent-contaminated soil using leveraged funding, hazardous building materials survey, and generation of abatement bid specifications. Mr. Biolsi closely coordinated with the EPA, the Town, BRPC, and DEP to facilitate sampling at several properties. Mr. Biolsi coordinated with the EPA to conduct targeted sub-slab and indoor air testing of the public high school to evaluate potential chlorinated solvent indoor air contamination.
 - **Pioneer Valley Planning Commission (PVPC), EPA Brownfields Assessment and Cleanup Planning, Central Massachusetts.** Mr. Biolsi managed multiple Assessment programs for PVPC. Mr. Biolsi managed a dozen sites within the region, including three sites in the City of Springfield. TRC managed the Phase I ESA and hazardous building materials survey of a former nursing home in the City of Springfield and the successful completion of two additional Phase I ESAs in the City. Mr. Biolsi has successfully completed several additional site assessments throughout PVPC's region, including regulatory compliance activities for former commercial and industrial properties. Mr. Biolsi was responsible for client and regulatory interactions, subcontractor coordination, budget tracking, technical direction, junior staff coordination, and day-to-day activities. Mr. Biolsi provided integral project and budget status updates during routine public meetings on all of PVPC's sites.
- CERCLA/RCRA Investigations and Cleanup**
- **Puerto Rico Department of Natural and Environmental Resources (PRDNER), throughout Puerto Rico.** Mr. Biolsi managed the review of technical documents generated by the Navy and Army Corps of Engineers' contractors for CERCLA and RCRA activities conducted at dozens of sites across three islands: 1) Naval Activity Puerto Rico on the eastern portion of the island of Puerto Rico, Ceiba, PR; 2) Vieques, and 3) Culebra. Mr. Biolsi was responsible for directly coordinating with the environmental technical team and unexploded ordnance contractor, PRDNER, EPA, U.S. Fish and Wildlife Service, the

Navy, and the USACE, attending all technical committee meetings and conference calls, budget tracking, and providing monthly status updates.

- **Department of the Navy, Naval Construction Battalion Center Davisville, Remedial Investigation/Long-Term Monitoring, North Kingstown, Rhode Island.** Mr. Biolsi managed multiple large long-term groundwater monitoring events to assess the extent of multiple chlorinated solvent groundwater plumes. Mr. Biolsi's responsibilities included coordination of field staff, oversight of numerous overburden and bedrock monitoring well installations, injection well installations, groundwater sampling, slug testing, report generation, responding to regulator comments, and interpreting geologic cross-sections.
- **US Army Core of Engineers, Former Nike PR-58 Site and Site 16, Steam Injection System, Davisville, Rhode Island.** Mr. Biolsi managed multiple large long-term groundwater monitoring events to assess the extent of chlorinated solvents in the overburden and bedrock. Mr. Biolsi's responsibilities included coordination of field staff, oversight of numerous overburden and/or bedrock monitoring well installations, stainless steel injection well installations, hydrogen-releasing compound-injection well installations, groundwater sampling, report generation, and interpreting geologic cross-sections.
- **Department of the Navy, Engineering Field Activity Northeast, Naval Weapons Station Earle, Colts Neck, New Jersey.** Mr. Biolsi managed and performed groundwater, soil, surface water, and sediment sampling events in accordance with proper sampling procedures on an active 11,000+ acre Naval Base in Colts Neck, NJ. He supervised the installation of nearly 24 shallow test pits in a former mine battery disposal area and prepared site investigation and work plan documents for various sites. He also created groundwater contour maps and detailed site drawings in AutoCAD using raw survey and field measurement data.
- **Department of the Navy, Engineering Field Activity Northeast, Naval Air Warfare Center (NAWC), Long-Term Monitoring and Passive Diffusion Bag Pilot Study, Trenton, New Jersey.** Mr. Biolsi provided integral management support for long-term monitoring operations at the Site. Mr. Biolsi managed and performed large groundwater sampling events in accordance with proper sampling procedures on a closed Naval Base in Trenton, New Jersey. He managed and supervised the installation of several bedrock monitoring wells, which included constant interaction with the client, project manager, U.S. Geological Survey (USGS), and off-site property owners. Mr. Biolsi worked closely with the Navy and the USGS in implementing a pilot study on passive diffusion bag (PDB) sampling for organic and inorganic constituents vs.

conventional sampling methods, ultimately saving the Navy nearly \$2 million in long-term monitoring costs. Mr. Biolsi managed sampling crews to maximize productivity with available personnel and equipment while adhering to proper sampling procedures. He wrote and provided technical direction on field and quarterly sampling reports. He supervised the decontamination and off-site removal of roll-off containers used for containerizing drill cuttings and fluid from monitoring well installations.

Other Site Investigation and Remediation Experience

- **Agfa Corporation, Agfa Peerless Photo Site, Phase II Investigation/Remedial Design, Shoreham, New York.** Mr. Biolsi managed and performed groundwater sampling activities in accordance with proper sampling procedures. He supervised the installation and sampling of several deep monitoring wells on-site and off-site. He prepared groundwater contour maps and analytical tag maps for the Site using AutoCAD. Mr. Biolsi assisted in evaluating remedial technologies to address a groundwater contaminant plume.
- **AIG, Various Sites, Regulatory Compliance Reviews, Mahanattan, New York.** Mr. Biolsi provided regulatory compliance reviews for a portfolio of insured properties to evaluate potential environmental issues and provided a detailed summary to the client.
- **Hazen and Sawyer, Combined Sewer Outflow (CSO) Improvement Projects, Nashua, New Hampshire.** Mr. Biolsi comanaged the environmental, geotechnical, and environmental permitting aspects for two CSO improvement projects for Hazen and Sawyer within the City of Nashua. Mr. Biolsi managed the environmental and geotechnical soil boring installation and sampling program at the Nashua CSO 005/006 site to evaluate the soil's environmental, geotechnical, and hydrogeologic properties around the proposed storage tank and outfall alignment to the Merrimack River. Numerous environmental permits were successfully secured for both projects sites, and the filings for Nashua CSO 004 were made on an expedited basis to allow the work to proceed and meet the court-mandated schedule.
- **MassDEP Site Assessment and Remediation Support Services (SARSS) Contract, Multiple Sites Across Massachusetts.** Mr. Biolsi managed multiple task order assignments under MassDEP's SARSS V and SARSS VI Contracts throughout the Commonwealth. Mr. Biolsi managed several task order assignments for over a decade, including Phase II site assessment activities, soil and groundwater sampling, soil remediation, and underground storage tank removals for the former Stockbridge Motors Site in Stockbridge, MA and the large Union Station redevelopment project in Springfield, MA; as well as munition and environmental technical support for



the Hingham Former Burning Ground Site in Hingham, MA and various sites on Martha's Vineyard.

PROFESSIONAL TRAININGS

OSHA 40-hour Hazardous Waste Operations Safety and Health Training

OSHA 8-hour Hazardous Waste Operations Safety and Health Supervisory Training

FUSRAP Radiation Worker Training Certified

Hazardous Materials Transportation Training

Blood-Borne Pathogen Training

First Aid and CPR Training

Radiation Safety/XRF Instrument Training

PROFESSIONAL AFFILIATIONS

Licensed Site Professional Association (LSPA), Member

Geological Society of New Hampshire (GNNH), Member