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LSPA 2026 Environmental Symposium

Renaissance Framingham Hotel & Conference Center, Framingham, MA

Understanding and Implementing MNA: Technical Basis, Monitoring Design, and Lessons Learned

April 9, 2026, 3:30 PM–5:30 PM, Track 2

INSTRUCTOR BIOS

Monitored Natural Attenuation of Chlorinated Volatile Organic Compounds

Tiffany Duhl, PhD, MassDEP, is Acting Section Chief for Site Management/Brownfields in the Bureau of Waste Site Cleanup's Northeast Regional Office. She has a bachelor's degree in Geography, Natural Resources and the Environment and a master's degree in Atmospheric and Oceanic Sciences from the University of Colorado in Boulder, as well as a doctorate in Environmental and Water Resources Engineering from Tufts University. Tiffany's doctoral research included optimizing electron donor delivery to support bioremediation.

Designing Effective Monitoring Programs and Practical Lessons Learned from the Field

Mark Casey, PE, LSP, Terraphase Engineering

Mark Casey brings is a Principal Engineer at [Terraphase Engineering](#) with over 35 years of expertise in contaminated property assessment and remediation. He offers MCP and LSP services to a range of commercial industrial clients, including developers, utility companies, and lenders. Mr. Casey coordinates with real estate developers to ensure site remediation aligns smoothly with proposed redevelopment projects and has successfully completed numerous initiatives that return vacant or under-used properties to active use.

Mr. Casey's expertise covers every aspect of site assessment and cleanup including overseeing the planning and execution of site characterization testing, preparing detailed site assessment reports, managing both cleanup and redevelopment activities, and organizing plans for handling excavated soil and documentation for off-site disposal.

Before entering consulting, Mr. Casey served as an engineer at the MassDEP's Bureau of Waste Site Cleanup where he led efforts overseeing private parties' assessment and remediation of sites presenting significant risks to human health and the environment.

Chase Gerbig, PhD, PE, Roux

Chase Gerbig is a Principal Engineer in [Roux's](#) Burlington, MA, office with expertise in the fundamental understanding of environmental systems and the practical design and implementation of engineering solutions. He has over 15 years of experience in environmental science and engineering, including expertise in environmental chemistry and geochemical modelling, site investigation and remediation, evaluation of the feasibility of remedial alternatives, remedy design, and compliance with state and federal environmental programs.

As a practicing engineer, he has remediated soil, sediment, groundwater, and air impacts associated with a wide range of chemicals (e.g., petroleum, chlorinated solvents, PAHs, and metals). Dr. Gerbig also works with numerous law firms on environmental-related litigation matters where he has provided both underlying and testifying expert services that address a spectrum of litigated topics, including timing of contaminant releases, evaluation of the necessity and reasonableness of past response action costs, estimation of future response action costs, and determination of equitable allocation of response action costs.