



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

100 Cambridge Street Suite 900 Boston, MA 02114 • 617-292-5500

Maura T. Healey
Governor

Kimberley Driscoll
Lieutenant Governor

Rebecca L. Tepper
Secretary

Bonnie Heiple
Commissioner

LSPA 2024 Environmental Symposium **April 10, 2024, 1:00 PM – 5:00 PM**

Vapor Intrusion Assessment and Mitigation: Regulations, Guidance, Implementation, Audits

Instructor Biographies

John J. Fitzgerald, P.E., MassDEP received a B.S. and M.S. in civil engineering from the University of Massachusetts Lowell and is a Registered Professional Engineer in Massachusetts. He has been employed by the Massachusetts Department of Environmental Protection (DEP) since 1980, where he oversees the assessment and cleanup of sites contaminated by oil and hazardous materials.

Brian Roden, Audits and Enforcement Coordinator, MassDEP's Bureau of Waste Site Cleanup (BWSC) in Boston. Brian has previously worked in BWSC's Policy and Program Development group in Boston and in the audits section for BWSC in the Northeast Regional Office. He is also responsible for managing telemetry registration for Active Exposure Pathway Mitigation Measures under the MCP.

Prior to joining MassDEP, Brian worked for an environmental consulting firm and was responsible for risk assessment activities to support site investigation, remediation, and site closure of hazardous waste sites in accordance with the MCP, CERCLA, and other various state and federal programs. He holds a Bachelor of Science degree in Environmental Science and Policy from Clarkson University.

Kathryn (Kait) Carvalho has worked for BWSC in MassDEP's Southeast Regional Office for over twenty years. She has worked in the audits section, site management, and Compliance and Enforcement (C&E) Sections. She currently works in the audits section and is the SERO BWSC Enforcement Coordinator and the SERO Brownfields Coordinator. She also serves as the project manager for SERO Brownfield sites and assists in the review of Technical Assistance Grants awarded by MassDEP.

Before joining MassDEP, Kait worked at environmental consulting firm under the supervision of an LSP and was responsible for site investigation, remediation and reporting in accordance with the MCP and other federal programs. She holds a Bachelor of Science degree in Chemistry and a Bachelor of Science degree in Marine Biology from Roger Williams University.

David Shea, P.E. is a Principal Engineer with Sanborn, Head & Associates in Bedford, New Hampshire, where he is responsible for leading vapor intrusion assessment and environmental remediation projects throughout the US and abroad. Dave specializes in vapor intrusion investigations and mitigation for residential, commercial, and industrial buildings. He holds a B.S. from Princeton University and an M.S. from MIT, both in Civil and Environmental Engineering. He has over 30 years of experience in site characterization and remediation, and he is a licensed professional engineer in 16 states.

Matthew Heil, P.E., LSP is a Vice President with Sanborn Head and practicing Massachusetts Licensed Site Professional. Matt has over 28 years of experience as an environmental engineer focused on brownfields redevelopment. His work has included numerous vapor intrusion assessment, site-specific risk characterizations, and mitigation projects in settings ranging from residential to commercial/industrial. Matt holds a B.S. from The Pennsylvania State University and an M.S. from the University of New Hampshire in Civil Engineering.