

LSPA 2025 Environmental Symposium

Sheraton Framingham, Framingham, MA

Investigation, Conceptual Site Model Development and Remediation of Groundwater Plumes in Fractured Bedrock

April 15, 2025, 3:30 PM – 5:30 PM, Track 2

2.0 Technical Credits PENDING (LSP, LEP, NY PE, NY PG)

INSTRUCTOR BIOGRAPHIES

Chris Martin, L.G. (ME), Geosyntec Consultants, Inc.

Mr. Martin is a remediation geologist with 13 years of experience in environmental site assessment and remediation. Mr. Martin's practice is focused on the design, implementation, and optimization of in-situ remedies for organic and inorganic contaminants in complex geologic environments including low-permeability soils, glacial tills, and fractured bedrock. His remediation experience includes performing pilot-scale and full-scale treatment programs using a broad range of remediation technologies, including in-situ chemical reduction with zero-valent iron, in-situ chemical oxidation, soil vapor extraction, and enhanced in-situ bioremediation. Mr. Martin also has extensive experience with 3-D visualization and modeling of subsurface environmental data. Mr. Martin holds an A.B. in Engineering Physics and Earth Sciences and B.E. in Engineering from Dartmouth College, and an M.S. in Environmental and Water Resources Engineering from Tufts University.

Dariusz Chlebica, P.G (NH), LSP, Geosyntec Consultants, Inc.

Mr. Chlebica is a New Hampshire registered Professional Geologist (NH-P.G.) and a Massachusetts Licensed Site Professional (LSP) with nearly 12 years of experience conducting hazardous waste site investigation and remediation. Mr. Chlebica specializes in hydrogeologic investigation, Conceptual Site Model (CSM) development, and remediation of chlorinated solvents, heavy metals, radionuclides, polychlorinated biphenyls (PCBs), and petroleum hydrocarbons in challenging settings, including fractured bedrock. He has designed and managed investigation programs to characterize impacted media in multiple regulatory settings, including federal, state, and international jurisdictions. His competencies include developing 3-Dimensional models to simulate groundwater flow and contaminant fate and transport in unconsolidated and fractured bedrock settings. Mr. Chlebica holds a B.S. in Geography and Chemistry from Worcester State College, and an M.S. in Geological Sciences from University of Connecticut.