



EBC Site Remediation & Redevelopment Program Vapor Intrusion – What's in the Air These Days

Friday, June 26, 2015

McLane, Graf, Raulerson & Middleton, P.A.
Woburn, Massachusetts

AGENDA

- 8:00 a.m. **Welcome:** Daniel K. Moon, President and Executive Director, EBC
John F. Cohan, Counsel, McLane Law Firm
- 8:10 a.m. **Introduction:** Laurent C. Levy, Ph.D., P.E., Program Chair and Moderator
Senior Project Manager, Gradient Corporation
- 8:15 a.m. **Recent Advances in Vapor Intrusion Investigation and Mitigation**
- David Shea, P.E., Principal Engineer, Sanborn Head & Associates, Inc.
- 8:45 a.m. **New Data on Indoor Air Background Concentrations of VOCs and Petroleum Hydrocarbons in Offices and Schools**
- Richard J. Rago, Vapor Intrusion Practice Leader, Haley & Aldrich, Inc.
- 9:15 a.m. **Vapor Intrusion Updates for Massachusetts**
- Gerard Martin, Chief, Bureau of Waste Site Cleanup
Southern Regional Office, MA Department of Environmental Protection
- 9:45 a.m. **Panel Discussion**
Moderator: Laurent Levy, Gradient Corporation
Panel Members:
- Dave Shea, Sanborn, Head & Associates, Inc.
 - Rich Rago, Haley & Aldrich, Inc.
 - Gerard Martin, MassDEP
- 10:00 a.m. **Adjourn**

PROGRAM CHAIR

Laurent C. Levy, Ph.D., P.E., Senior Project Manager
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Laurent Levy is a senior project manager at Gradient, an environmental consulting firm located in Cambridge, Massachusetts, providing services to clients across the US and internationally. Laurent has over ten years of experience working with industrial clients, attorneys, and regulators. His areas of practice include subsurface environmental investigations, vapor intrusion assessment, chlorinated

solvent characterization, site remediation, and environmental litigation support. He holds an undergraduate degree from the Ecole Centrale Paris, an engineering school located in France, as well as a Ph.D. in Civil and Environmental Engineering from the Massachusetts Institute of Technology. He is a registered Professional Engineer in Massachusetts. He maintains a blog providing vapor intrusion resources by state and other focus areas (<http://vapor-intrusion.blogspot.com/>).

SPEAKERS

David Shea, P.E., Principal Engineer
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David Shea, P.E. has 25 years of experience as an environmental and site remediation engineer, the last 12 of which have been focused on vapor intrusion assessment and mitigation for residential, commercial, and industrial buildings. He is a Principal Engineer with Sanborn, Head & Associates in Concord, New Hampshire, and is responsible for leading vapor intrusion and environmental remediation projects, throughout the US and abroad. He holds a B.S. in Civil Engineering from Princeton University and a M.S. in Civil Engineering from the Massachusetts Institute of Technology. He is a licensed Professional Engineer in 12 states.

Richard J. Rago, Vapor Intrusion Practice Leader
Haley & Aldrich, Inc.
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Richard Rago serves as Vapor Intrusion Practice Leader at Haley & Aldrich and has conducted hundreds of indoor air quality project investigations and soil vapor intrusion studies at sites contaminated with manufactured gas plant (MGP) residuals, petroleum hydrocarbons, chlorinated solvents, pesticides, and other contaminants. Since joining Haley & Aldrich in 1991, Rich has long been recognized for his support for regulatory agencies and professional organizations, including technical collaboration with the EPA, LSPA, ITRC's PVI team, and contributions to numerous state and federal guidance documents. He has also directed independent research studies in support of improved environmental characterization, including indoor air sampling intervals, soil gas long term temporal stability, and residential indoor air background.

Gerard Martin, Chief, Bureau of Waste Site Cleanup, Southeast Region
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Gerard Martin has more than twenty-five years combined consulting and regulatory experience. Mr. Martin has been the Chief in the Bureau of Waste Site Cleanup at the Southeast Regional Office (Lakeville) of the Massachusetts Department of Environmental Protection (MassDEP) since April 1995. In this capacity, Mr. Martin provides supervision of the complex sites; oversees the Compliance and Enforcements efforts in the Region; serves as the Region's Technical Brownfields Coordinator; and manages and directs the work associated with the review and issuance of Waste Site Cleanup Permits, management of the risk reduction measures and other selected response actions at the more complex sites. More recently, Gerard has been overseeing the workgroup to develop new Vapor Intrusion Guidance for MassDEP. Prior to working at the MassDEP, Gerard was a Senior Hydrogeologist at SAIC Engineering, Middleboro, MA and Hydrogeologist at GHR Engineering in Lakeville, MA.