



**EBC Site Remediation and Redevelopment Program
Mass DEP Reopening Old Trichloroethylene (TCE) Sites**

Thursday, November 2, 2017

CDM Smith | Boston

AGENDA

- 8:00 a.m. **Welcome, Introduction and Overview**
- Jonathan Kitchen
Chair, EBC Site Redevelopment & Remediation Committee
Senior Project Manager, Civil & Environmental Consultants, Inc.
- Introduction and Program Overview**
- Edward Van Doren, Program Chair & Moderator
Principal Environmental Engineer, CDM Smith
- 8:10 a.m. **Checking In On Sites with Residual TCE – Why & How**
- Paul Locke, Assistant Commissioner
Massachusetts Department of Environmental Protection
- 8:30 a.m. **The Legalities: Understanding How MassDEP Can Reopen a Closed Site?**
- Elizabeth F. Mason, Attorney, McLane Middleton
- 8:50 a.m. **Trichloroethene Vapor Intrusion Assessment – Case Study for an Industrial Facility in Massachusetts**
- Pamela O. Fahey, Senior Environmental Scientist, CDM Smith
- 9:10 a.m. **Vapor Intrusion or How I Learned to Stop Worrying and Love Indoor Air**
- Julianna Connolly, Senior Principal Engineer, Geosyntec Consultants
 - Todd Creamer, Principal Geologist, Geosyntec Consultants
- 9:30 a.m. **Panel Discussion with Speakers**
- Panel Moderator: **Jon Kitchen**, Civil & Environmental Consultants, Inc.
- Panel Members:
- **Julianna Connolly**, Geosyntec Consultants
 - **Todd Creamer**, Geosyntec Consultants
 - **Pamela Fahey**, CDM Smith
 - **Paul Locke**, Mass DEP
 - **Elizabeth Mason**, McLane Middleton
- 10:00 a.m. **Adjourn – Closing Comments – Jon Kitchen**

PROGRAM CO-CHAIRS

Jonathan D. Kitchen, PG, LSP, Principal
Civil & Environmental Consultants, Inc.
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Mr. Kitchen manages CEC's Boston-area environmental services practice. He has more than 20 years of experience as an environmental professional and has conducted a variety of Phase I and Phase II Environmental Site Assessments (ESAs), and subsurface investigations throughout the Northeast United States. He has substantial experience with managing remedial investigation at large complex sites with numerous areas of concern. These sites include brownfields sites where he assisted with redevelopment activities, including negotiation support for covenants not to sue, administrative consent orders, and insurance issues.

Mr. Kitchen has managed projects under all phases of the Massachusetts Contingency Plan (MCP). He has also managed numerous in-situ chemical oxidation (ISCO) and other in-situ remediation projects. He has also managed numerous compliance projects including; SPCC Plans, SWPPPs, and industrial air permitting. As a part business owner of his former firm, Mr. Kitchen managed the commercialization of an innovative technology both from a business development and an implementation standpoint.

Edward P. Van Doren, P.E., LSP, Principal Environmental Engineer
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Mr. Van Doren is a Principal Environmental Engineer with CDM Smith in Boston, Massachusetts. He has been involved in environmental engineering and consulting for more than 28 years. His experience includes implementation of remedial technologies at petroleum and uncontrolled hazardous waste sites and project and program management. Mr. Van Doren's project work has included former manufactured gas plant (MGP) sites, chlorinated solvent contaminated sites, petroleum contaminated sites, brownfield sites, landfills, and military installations. He is a Massachusetts Professional Engineer (PE) and Licensed Site Professional (LSP). Mr. Van Doren is a member of the EBC Site Remediation & Redevelopment Committee Leadership team. He holds a BS degree in chemistry from the State University of New York at Oswego and an MS in Engineering in Environmental Studies from UMass Lowell.

SPEAKERS

Julianna Connolly, LSP, Senior Principal Engineer
Geosyntec Consultants
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Julianna Connolly is a Licensed Site Professional in Massachusetts with over 14 years of environmental consulting experience focusing on risk-based closure for contaminated properties, human health risk assessment, vapor intrusion assessment and mitigation, and environmental due diligence. She manages Geosyntec's New England operation and consults for clients with responsibility for industrial

facilities, solvent releases, petroleum releases, and former manufactured gas plants. She has managed the investigation, remediation, and regulatory closure of multiple sites under the Massachusetts Contingency Plan and has completed hundreds of human health risk assessments under the MCP and other regulatory programs. Many of these sites have included evaluations of exposure to constituents in indoor air that have migrated into on-site buildings as a result of subsurface vapor intrusion.

Todd Creamer, PG, Principal Geologist
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Todd Creamer is a Professional Geologist with over 20 years of experience. He specializes in vapor intrusion of volatile compounds into indoor air and has contributed significantly both to the national discussion on subsurface contaminant vapor behaviors near structures and to the availability of innovative assessment tools such as quantitative passive samplers, high volume sub-slab sampling, and building pressure control. Since 2005, he has been involved in multiple applied research projects with Department of Defense and academic partners. His technical experience includes complex regulatory negotiation, construction of conceptual site models, vapor intrusion field methods development, LNAPL mobility modeling, and site characterization using hydrogeologic and advanced geophysical methods. Todd was an invited instructor for the 2015 Massachusetts Licensed Site Professional's Association for-credit course on vapor intrusion, reaching 500 professionals.

Pamela O. Fahey, MPH, Senior Environmental Scientist
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Pamela O. Fahey is an environmental scientist and senior risk assessor in CDM Smith's environmental management/remediation group. She has over 30 years of experience with CDM Smith and is responsible for managing, preparing, and reviewing human health risk assessments and is a specialist in vapor intrusion and risk communication. Her risk assessment experience includes federal Superfund and state hazardous waste sites, industrial sites, landfills, municipal drinking water and wastewater facilities, and construction operations. She currently serves as a task manager for a complex industrial vapor intrusion site. She has a B.S. in environmental science and a M.P.H. from Boston University with a concentration in environmental health.

Paul Locke, Assistant Commissioner, Bureau of Waste Site Cleanup
Massachusetts Department of Environmental Protection
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Mr. Locke has been with the MA Department of Environmental Protection since 1987 and is currently the Assistant Commissioner for the Bureau of Waste Site Cleanup, overseeing implementation of the Massachusetts Contingency Plan to assess and clean up disposal sites, the Massachusetts Oil Spill Prevention and Response Act (MOSPRA), and the Natural Resource Damage (NRD) Program. Mr. Locke holds a Bachelor's degree in Chemistry from Harvard College and a Master's degree in Civil Engineering from the Tufts University program in Public Health.

Elizabeth (Betsy) Mason, Esq., Attorney
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Betsy Mason provides strategic legal advice to commercial real estate, financial services and telecommunications clients on a broad variety of environmental, land use and zoning matters. She has over 24 years of private and public sector experience representing clients in federal, state and local permitting and enforcement proceedings, and assisting developers, property owners and lenders in developing, negotiating and implementing cost-effective plans for contaminated site cleanup and redevelopment. Before joining McLane Middleton, Betsy was a partner at Bernkopf Goodman LLP in Boston, MA. She has also been a Senior Assistant Regional Counsel in the Boston office of the U.S. Environmental Protection Agency, as well as counsel at Anderson & Kreiger LLP in Boston, MA and an associate at Goodwin Procter and Mintz Levin, both in Boston. Betsy received her B.A. from Yale University, her M.A. from Boston University and her J.D. from Boston College Law School, where she was editor-in-chief of the Boston College Environmental Affairs Law Review.

UPCOMING EBC PROGRAMS

NOVEMBER 2017

November 7 – Ocean & Coastal - Innovative Remote Sensing Techniques
November 7 – Solid Waste Management- Wrap & Roll – the Future of Rail Haul in New England
November 8 – MassDEP Commissioner Suuberg and the Western Region Leadership Team
November 9 – Professional Development Program: Moving UP the Ladder
November 13 – New Hampshire Chapter Program Planning Meeting
November 15 – Forecasting Trends - Environmental Engineering and Consulting Industry - Paul Zofnass
November 16 – Green Infrastructure Implications for Water/Wastewater Management
November 17 – EBC & UMASS Climate Adaptation Forum – Three Cutting Edge Adaptation Programs
November 21 – Ocean and Coastal Resource Management Program: Living Shorelines
November 28 – Climate Change Matchmaking Forum
November 29 – Meet the EBC Committees Wine Tasting
November 30 – Mass DOER Division Leadership Team – Creating a Cleaner Energy Future

DECEMBER 2017

December 6 – Energy Resources Program Planning Meeting
December 6 – Solid Waste Program Planning Luncheon
December 7 – Rhode Island Chapter Program Planning Meeting
December 7 – Annual Winter Garden Party
December 8 – Water Resources Program Planning Meeting
December 13 – New Hampshire Holiday Party
December 14 – Connecticut Chapter Program Planning Meeting
December 14 – Rhode Island Holiday Party

JANUARY 2018

January 5 – Site Remediation & Redevelopment Committee Program Planning Meeting
January 8 – Climate Change and Air Committee Program Planning Meeting
January 8 – Ocean & Coastal Resources Committee Program Planning Luncheon
January 9 – MassDEP Commissioner Suuberg and Headquarters Leadership
January 10 – Ascending Professionals Committee Program Planning Meeting

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