



EBC Site Remediation and Redevelopment Program Contaminants of Emerging Concern

Thursday, May 12, 2016

Greenberg Traurig
One International Place
Boston

AGENDA

- 5:15 p.m. **Welcome**
- **Jonathan D. Kitchen, P.G., LSP**
Chair, EBC Site Remediation & Redevelopment Committee
Senior Project Manager, Civil & Environmental Consultants, Inc.
 - **Hamilton Hackney**, Shareholder, Greenberg Traurig, LLP
- 5:20 p.m. **Introduction and Overview**
- **Russell Schuck, P.G.**, Program Chair & Moderator
Vice President, Haley & Aldrich, Inc.
- 5:40 p.m. **Update from MassDEP on Contaminants of Emerging Concern**
- **Gerard Martin & Angela Gallagher**
Bureau of Waste Site Cleanup
Massachusetts Department of Environmental Protection
- 6:05 p.m. **Water System Responds to Perfluorochemicals: A Case Study**
- **Blake Martin**, Senior Associate, Weston & Sampson
- 6:30 p.m. **Advances in Treatment Technologies for CECs Including Perfluorinated Compounds and 1,4-Dioxane**
- **Andy Bishop**, Chief Operating Officer, ect₂
- 7:00 p.m. **Adjourn – Closing Remarks – Jon Kitchen**

PROGRAM CHAIR

Russell Schuck, P.G., Vice President

Haley & Aldrich, Inc.

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Russell Schuck is a Vice President at Haley & Aldrich. Russell has over 25 years experience in environmental consulting. He serves on the leadership team for the company's Industrial Environmental Business Unit. Russell's oversees all CERCLA, Environmental trust, and litigation support projects for the firm. He is also on the leadership team for Haley & Aldrich's Contaminated Sediment Management practice.

Russell is a Licensed Professional Geologist in NH and a Certified Professional Geologist. He serves on the board of the Environmental Business Council of New England and is the former Chair of the Site Remediation and Restoration Committee. Russell received a B.A. in Geology from Hartwick College and an M.S. in Geology/Water Resources from the University of Vermont.

Haley & Aldrich meets an array of strategic environmental, engineering and management challenges working with clients throughout the United States and internationally. Headquartered in Boston, the firm has over 400 professional and support staff in 20+ offices nationwide. Haley & Aldrich is currently ranked #128 in the Engineering News Record Top 500 U.S. Design Firms.

SPEAKERS

Andy Bishop, Co-Founder and Chief Operating Officer

ect₂

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Andy is the co-founder of ECT (Emerging Compounds Treatment Technologies). ECT is an equipment company focused on developing and commercializing treatment technologies for emerging, difficult-to-treat compounds. Andy's responsibilities include directing engineering and project management efforts for the company's product line.

Andy has 16 years of experience in water and wastewater treatment. His focus is currently on delivering innovative technology and design-build solutions for the treatment of 1,4-dioxane, perfluorinated compounds, and other emerging compounds. He holds a B.S. from Clarkson University.

ECT was founded in 2013 as a wholly owned subsidiary of Haley & Aldrich, Inc. Headquartered in Portland, Maine.

Angela Gallagher, Environmental Analyst

Bureau of Waste Site Cleanup

Massachusetts Department of Environmental Protection

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Ms. Gallagher has had over 25 years of experience in the environmental field in both the private sector and public sector. Ms. Gallagher is currently an Environmental Analyst in the Brownfields, Compliance & Enforcement, and Risk Reduction Branch within the MassDEP Southeast Regional Office (SERO) of the

Bureau of Waste Site Cleanup (BWSC) in Lakeville, Massachusetts. Ms. Gallagher's current responsibilities include managing risk and risk communication and public outreach activities at larger scale contaminated properties involving releases of various contaminants, including 1,4-dioxane and perfluorinated compounds (PFCs); evaluating and managing risk, risk communication, and site discovery activities for vapor intrusion issues involving sensitive receptors; evaluating current and past uses of a heavily commercialized section of Cape Cod to evaluate sources of PFCs and 1,4-dioxane detected during EPA's UCMR3 sampling program; and providing compliance assistance to various redevelopment projects throughout SERO. Ms. Gallagher is a member of the MassDEP Greener Cleanups workgroup and the MassDEP Emerging Contaminants workgroup. Ms. Gallagher also serves as the MassDEP Assistant Brownfields Coordinator, working directly with the Brownfields Coordinator in MassDEP's Boston office.

Ms. Gallagher holds a Bachelor of Science degree in Environmental Science from Allegheny College.

Blake Martin, Senior Associate

Weston & Sampson

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Mr. Martin is currently a Vice President with Weston and Sampson, specializing in water resource studies. His background as a hydrogeologist includes contaminant transport studies, ground water supply development and remediation investigations for organic contaminants. He currently chairs the EBC Water Resources committee and the New England Water Works Sustainability committee focusing on municipal infrastructure and source protection issues.

Gerard Martin, Deputy Regional Director

Bureau of Waste Site Cleanup

Massachusetts Department of Environmental Protection

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Gerard Martin is the Deputy Regional Director for the Bureau of Waste Site Cleanup in the Southeast Regional Office at the Massachusetts Department of Environmental Protection. In this role Mr. Martin manages the Emergency Response, State & Federal Site Management, Brownfields/Compliance & Enforcement and Audits Sections. Prior to his appointment, he was been the Chief of the Brownfields, C&E and Risk Reduction Section in the Southeast Regional Office since April 1995. In this capacity Mr. Martin provided supervision of the complex sites; oversaw the Compliance and Enforcements efforts in the Region; served as the Regional Technical Brownfields Coordinator; and managed and directed the work associated implementing risk reduction measures and other selected response actions at the more complex sites (primarily sites where the releases have impacted indoor air and releases that have resulted in Dense Non-Aqueous Phase Liquid in bedrock aquifers).

More recently, Mr. Martin has been overseeing the workgroup to develop new Vapor Intrusion Guidance and regulations for MassDEP. In support of this effort, Mr. Martin has delivered training modules and presentations at numerous forums including Massachusetts Licensed Site Professionals Association, Environmental Business Council of New England, New England Waste Management Officials Association, and the Boston Bar Association, among others. Prior to working at the DEP, Mr. Martin was a Senior Hydrogeologist at SAIC Engineering, Middleboro, MA and Hydrogeologist at GHR Engineering in Lakeville, MA. Gerard has over thirty-one years combined consulting and regulatory experience. Mr. Martin has taught Physical Geology, Environmental Geology, Hydrogeology and Contaminant Hydrogeology at Bridgewater State University.