



## **EBC Site Remediation and Redevelopment Program Contaminants of Emerging Concern – Update on PFAS**

Tuesday, April 24, 2018

Foley Hoag, LLP | Boston, MA

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### **AGENDA**

- 8:00 a.m. Welcome: Frank Ricciardi, Chair, EBC PBC & Emerging Contaminants Subcommittee  
Vice President, Weston & Sampson, Inc.**
- Welcome to Foley Hoag**
- Seth Jaffe, Member, EBC Board of Directors  
Partner, Environmental Practice Group, Foley Hoag, LLP
- 8:10 a.m. Program Introduction and Overview**
- Elizabeth Denly, Program Co-Chair and Moderator  
Quality Assurance and Chemistry Systems Manager, TRC
  - Steven LaRosa, Program Co-Chair and Moderator  
Technical Leader, Weston & Sampson
- 8:15 a.m. General Overview of PFAS**
- Elizabeth Denly, Quality Assurance and Chemistry Systems Director, TRC
- 8:45 a.m. Analytical Laboratory Considerations for PFAS**
- Jim Occhialini, Vice President, Alpha Analytical
- 9:15 a.m. PFAS Case Studies (Characterization, Treatment, and Fingerprinting)**
- Steven LaRosa, Technical Leader, Weston & Sampson
- 10:00 a.m. Networking Break**

- 10:30 a.m. MassDEP Regulatory Perspective on PFAS**
- Paul Locke, Assistant Commissioner, Bureau of Waste Site Cleanup  
Massachusetts Department of Environmental Protection
- 11:00 a.m. PFAS: Are They the Next Legal Quagmire?**
- Seth Jaffe, Esq., Partner, Environmental Practice Group, Foley Hoag, LLP
- 11:30 a.m. Panel Discussion**
- Panel Moderator:** Frank Ricciardi, Weston & Sampson, Inc.
- Panel Members:**
- Elizabeth Denly, TRC
  - Seth Jaffe, Foley Hoag, LLP
  - Steven LaRosa, Weston & Sampson, Inc.
  - Paul Locke, MassDEP
  - Jim Occhialini, Alpha Analytical
- 12:00 p.m. Adjourn**

#### **PROGRAM CO-CHAIRS**

**Steven LaRosa**, Technical Leader  
Weston & Sampson  
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Mr. LaRosa is Weston & Sampson's Emerging Contaminant Technical Leader with a current focus on PFAS. Steve has been managing several PFAS investigation and remediation projects in Vermont for the VTDEC. Mr. LaRosa is a geologist with 25 years of experience, including extensive experience in preparing work plans and Quality Assurance Project Plans (QAPPs) using TRIAD investigative techniques, cost estimating, health and safety programs, Corrective Action Feasibility Investigations (CAFIs) and Corrective Action Plans (CAPs). Steve has been involved with all aspects of surface and subsurface investigation with various types of drill and testing equipment and routinely provides legal expert testimony regarding environmental site contamination issues.

**Elizabeth Denly, ASQ CMQ/OE**, Quality Assurance & Chemistry Systems Director  
TRC  
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Elizabeth Denly, ASQ CMQ/OE, has been with TRC since 2000 and is currently the Quality Assurance and Chemistry Systems Director. She is a chemist with 29 years of environmental consulting experience encompassing field and laboratory analyses, QA/QC, field and laboratory audits, consulting for regulatory agencies, and data validation. Ms. Denly is a leader in ITRC's per- and poly-fluorinated alkyl substances (PFAS) and TPH Risk Work Groups and is an active participant in TRC's Center of Research & Expertise (CORE) Emerging Contaminants Work Group. She also recently worked with USEPA Region 2 on a study to compare PCBs in indoor air using passive and active air sampling.

She is currently focusing much of her efforts on PCBs and PFAS, specifically the nomenclature, chemistry, sampling procedures, and laboratory analytical methodologies, and has played a significant role in educating TRC's clients, attorneys, and regulators about PFAS.

As a project QA chemist at TRC, Ms. Denly is responsible for providing QA/QC oversight in support of a variety of environmental investigations including risk-based soil cleanups, remediation programs, delineation, contaminant ambient air monitoring, and human health and ecological risk assessments. In this role, she has been responsible for the preparation of project-specific QAPPs, coordination with the laboratory, selection of the appropriate analytical methodologies to achieve the desired remedial standards, oversight and performance of the data validation process, and determination of the usability of the data in comparison to the overall project objectives.

Ms. Denly holds a Bachelor's degree in Chemistry from the University of New Hampshire.

## **SPEAKERS**

**Paul Locke**, Assistant Commissioner, Bureau of Waste Site Cleanup  
MassDEP Bureau of Waste Site Cleanup  
One Winter Street, Boston, MA 02108  
(617) 556-1160 | Paul.Locke@state.ma.us

Mr. Locke has been with the MA Department of Environmental Protection (MassDEP) 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 (MOSPR), and the Natural Resource Damage (NRD) Program. Previously as Division Director for Response & Remediation, Mr. Locke oversaw operational aspects of the state cleanup program (including audits, compliance & enforcement and data management systems), the Federal Sites section, and also coordinated with other MassDEP programs. Mr. Locke has also served as Director of Policy and Program Development. Before joining Waste Site Cleanup in 2002, Mr. Locke was head of the Risk Analysis Group within the MassDEP Office of Research and Standards, where he participated in environmental policy development, review of site-specific reports, and provided technical assistance to MassDEP staff and the regulated community. He has participated in numerous revisions to the site cleanup regulations, including the changes that resulted in a semi-privatized cleanup program in 1993. Mr. Locke was the primary author of the rules that determine "how clean is clean enough?" – the regulations on human and environmental risk characterization. Current projects include the development of a comprehensive soil management strategy and the implementation of MassDEP's vapor intrusion initiatives. 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.

**Jim Occhialini**, Vice President  
Alpha Analytical  
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Mr. Occhialini (B.S. UMASS, Amherst) is a vice president with Alpha Analytical and he serves as the product line manager for the laboratory's ecological risk assessment, emerging contaminants and hydrocarbon forensics project applications. Jim has over 35 years of environmental analytical and consulting experience working on a wide range of projects. Jim is very active with a number of

regulatory workgroups and industry associations and has provided numerous technical presentations and training programs.

**Seth D. Jaffe, Esq.**, Partner, Environmental Practice Group  
Foley Hoag, LLP  
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Seth Jaffe is Partner and Coordinator of the Environmental Practice Group at Foley Hoag LLP in Boston, Massachusetts.

Seth is recognized by Chambers USA, The Best Lawyers in America and Massachusetts Super Lawyers as a leading practitioner in environmental compliance and related litigation. He recently completed his term as the President of the American College of Environmental Lawyers. As an author of Foley Hoag's Law and the Environment blog, [www.lawandenvironment.com](http://www.lawandenvironment.com), Seth provides real-world perspectives on current developments in environmental law and regulation.

Seth works on a wide range of environmental law issues, representing clients in the permitting/licensing of new facilities and offering ongoing guidance on permitting and enforcement related matters under federal and state Clean Air Acts, Clean Water Acts, RCRA, and TSCA. He also advises on wetlands and waterways regulation. His clients include electric utilities, companies in the printing and chemical industries, and education and health care institutions.

With extensive experience in hazardous waste matters under federal and state Superfund laws, Seth has defended multiple clients in administrative or litigation proceedings brought by the government and/or private parties. He has also counseled plaintiffs seeking recovery from private parties of response costs incurred at Superfund sites.

#### UPCOMING EBC PROGRAMS

##### APRIL 2018

April 25 – Rhode Island Program: Updates from Rhode Island DEM and OER  
April 26 – Evening Workshop: Clear as MUD! A RCRA Overview & Trivia Night  
April 27 – Ocean and Coastal Resources Program: 2<sup>nd</sup> Annual Coastal Construction Case Studies

##### MAY 2018

May 2 – Rhode Island Program: The State of Stormwater in Rhode Island – Water Quality & Sea Level Rise  
May 3 – New England Regional Conference of State Solid Waste Directors  
May 8 – Energy Resources Program: Electric Vehicles: Charging Forward and Gaining Speed  
May 10 – Dam Management Program: Emergency Action Planning  
May 10 – Ascending Professionals: Communicating with Municipal Boards – An Advanced Introduction  
May 15 – Leadership of U.S. Army Corps of Engineers – New England District  
May 16 – Evening Program with Newly Appointed U.S. EPA Regional Administrator Alexandra Dunn  
May 18 – Briefing from the Massachusetts Clean Energy Center Leadership  
May 24 – Ocean and Coastal Resources Program: Briefing from State and Federal Agencies

##### JULY 2018

July 12 – Site Remediation and Redevelopment Committee Program Planning Meeting

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