

***Per- and Polyfluoroalkyl Substances (PFAS): The Latest Information***

November 8, 2018 from 8:00 AM - 12:00 PM

Sheraton Framingham Hotel, Framingham, MA

Topic	Speaker	Time
PFAS Overview/Introduction	Karen Vetrano	8:00-8:40
Risk Assessment Challenges	Karen Vetrano	8:40-9:10
Laboratory Considerations	Jim Occhialini	9:10-9:40
<b>BREAK</b>		9:40-9:55
Aqueous Film Forming Foam (AFFF)	Steve LaRosa	9:55-10:35
Regulatory Perspective (MassDEP)	Paul Locke	10:35-11:10
Legal Perspective	Kenneth Gray	11:10-11:45
Q&A Panel	All	11:45-12:00

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### **INSTRUCTOR BIOGRAPHIES**

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#### **Kenneth F. Gray**

Mr. Gray joined Pierce Atwood's Environmental Group in 1987 after practicing with the U.S. Environmental Protection Agency's (EPA's) Office of General Counsel in Washington, D.C. Ken has practiced environmental law since his graduation from law school in 1979. Ken concentrates on counseling and enforcement issues related to hazardous substance and hazardous waste management, cleanup, and liability, including toxic tort matters; chemical safety requirements under a variety of laws including the Occupational Safety and Health Act; product regulation including toxic substance manufacturing and processing; emergency planning, response, and community right-to-know requirements; groundwater and drinking water regulation; and transactional matters related to environmental concerns. At the EPA, Ken advised the Agency on matters arising under the Resource Conservation and Recovery Act (the hazardous waste law), Safe Drinking Water Act, Comprehensive Environmental Response Compensation, and Liability Act ("Superfund"), Clean Water Act, and the Toxic Substances Control Act. He received two bronze medals for his work. Ken has advised business and real estate owners and purchasers, commercial enterprises of all types, banks and lenders, and drinking water suppliers. Because the purchase and sale of businesses and property must address the possibility of environmental contamination, Ken has been involved in numerous transactions of virtually all sizes. Ken is a graduate of College of William and Mary and Santa Clara University School of Law.

#### **Steve LaRosa**

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.

#### **Paul Locke**

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. 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 DEP 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 DEP’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.

### **James Occhialini**

Mr. Occhialini is a Vice President with Alpha Analytical and serves as the product line manager for the laboratory’s sediment, tissue and hydrocarbon forensics project applications. He has over 35 years of environmental analytical and consulting experience working on a wide range of projects. Mr. Occhialini is very active with a number of regulatory workgroups, including MassDEP, and industry associations and has provided numerous technical presentations and training programs in the areas of sampling and analytical method selection; data quality and usability; and quality assurance/quality control.

### **Karen Vetrano, Ph.D.**

Dr. Karen Vetrano has over 27 years of experience and manages TRC's Risk Assessment and Toxicology Practice as well as the Odor Evaluation and Control Group. She supervises projects that include human health and ecological risk assessments, toxicological evaluations, exposure assessments, labeling and odor evaluation, indoor air quality, and industrial hygiene program reviews. Dr. Vetrano provides management and technical support for the various components of human exposure and health risk assessments under such programs as Superfund, Resource Conservation and Recovery Act (RCRA), California Proposition 65, the Massachusetts Contingency Plan (MCP) (as well as other individual State programs) and EPA’s Brownfield Program. She also provides technical oversight support to government agencies on site investigation and remediation projects, including participating in scoping for investigations and review of investigation work plans and reports. She recently served as a volunteer coauthor for Section 3: “Human and Ecological Impacts” of the National Ground Water Association’s document, *Groundwater and PFAS: State of Knowledge and Practice*. Specifically, Dr. Vetrano wrote the Human Exposure and Risk Assessment sub-sections. She also provided peer-review for the toxicology subsection provided in Section 3.