



## **EBC New Hampshire Chapter Program Update on Management of PFCs/PFASs**

Friday, November 18, 2016

McLane Middleton  
Manchester, New Hampshire

### **AGENDA**

- 8:00 a.m. Welcome: Robert Hasevlat, EBC NH Chapter Chair**  
Business Development Manager, Normandeau Associates, Inc.
- Introduction: Chip Crocetti, Program Chair and Moderator**  
Senior Vice President, Sanborn, Head & Associates, Inc.
- 8:10 a.m. Background on PFAS Composition, Sources, Transport & Fate, and Toxicity**
- Steve Zemba, Project Director, Sanborn, Head & Associates, Inc.
- 8:30 a.m. Regulation/Perspective at National Level**
- Lynne Jennings, Chief, Massachusetts Superfund Section, U.S. EPA
- 8:55 a.m. Regulation/Perspective in NH, and Discussion of Merrimack and Litchfield, NH/  
Saint Gobain PFOA Site**
- John Regan and Lea Anne Atwell, Hazardous Waste Remediation Bureau  
New Hampshire Department of Environmental Services
- 9:20 a.m. Vermont's Ongoing Response to PFAS Contamination**
- John Schmeltzer, Environmental Analyst  
Vermont Department of Environmental Conservation
- 9:45 a.m. Networking Break**
- 10:15 a.m. New England PFAS Site – Case Study in Innovative Remedial Technology**
- Steve Woodard, President and Chief Technology Officer, ect<sub>2</sub>
- 10:40 a.m. Sampling and Analysis of Environmental Media for PFASs**
- Harrison Roakes, Senior Project Engineer, Sanborn, Head & Associates, Inc.

**11:00 a.m. Panel Discussion**

Panel Moderator: **Chip Crocetti**, Sanborn, Head & Associates, Inc.

Panel Members:

- Lea Anne Atwell, NH DES
- Lynne Jennings, U.S. EPA
- Harrison Roakes, Sanborn, Head & Associates, Inc.
- John Regan, NH DES
- John Schmeltzer, VT DEC
- Steve Woodard, ect<sub>2</sub>
- Steve Zemba, Sanborn, Head & Associates, Inc.

**11:30 a.m. Adjourn**

**PROGRAM CHAIR**

**Charles A. Crocetti, Ph.D., PG**, Senior Vice President

Sanborn, Head & Associates, Inc.

20 Foundry Street, Concord, NH 03301

603.229.1900 | [cacrocetti@sanbornhead.com](mailto:cacrocetti@sanbornhead.com)

Chip Crocetti is a Sr. Vice President and co-founder of Sanborn, Head & Associates, with over 25 years' experience in a broad range of hydrogeologic, environmental, and remedial projects, in over twenty states and internationally, including twelve Superfund sites. Prior to working in the environmental field, he worked in the petroleum and minerals industries. Chip's particular expertise is in the application of geochemistry to hydrogeological and environmental issues. Recent areas of interest include: characterization and management of "urban fill" soils; assessment and control of impacts to groundwater due to blasting; the emerging contaminant 1,4-dioxane; and geologic and geochemical influences on the success of ground source heat pump systems. Chip earned his B.A. from Dartmouth College in Earth Sciences, and his Master's and Doctorate from Harvard University in Geological Sciences.

**SPEAKERS**

**Lea Anne S. Atwell, P.G.**, Project Manager

Hazardous Waste Remediation Bureau, NH Department of Environmental Services

29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

(603) 271-6572 | [LeaAnne.Atwell@des.nh.gov](mailto:LeaAnne.Atwell@des.nh.gov)

Lea Anne S. Atwell is a Project Manager with the NHDES Hazardous Waste Remediation Bureau, working with the State Hazardous Waste Sites section and the Brownfields Program. Prior to joining NHDES in November 2015, she worked for ten years in environmental consulting conducting environmental site assessments and soil, groundwater, and indoor air investigations at sites in New Hampshire, throughout the U.S., and in Europe. She earned a B.A. in Geology and Environmental Science from Wittenberg University in Springfield, Ohio and an M.S. in Earth & Planetary Sciences from the University of New Mexico in Albuquerque, New Mexico and is a licensed Professional Geologist in New Hampshire.

Environmental Business Council of New England, Inc.

375 Harvard Street, Suite 2 | Brookline, MA 02446 | (617) 505-1818 | [ebc@ebcne.org](mailto:ebc@ebcne.org) | [@ebcne](http://@ebcne) | [www.ebcne.org](http://www.ebcne.org)

**Lynne Jennings**, Chief, Massachusetts Superfund Section  
U.S. EPA Region One – New England  
5 Post Office Square, Mail Code: OSRR07-3, Boston, MA 02109-3912  
(617) 918-1210 | Jennings.Lynne@epa.gov

Lynne Jennings is the Section Chief of the Massachusetts Superfund Section located within the Office of Site Remediation and Restoration, EPA Region 1. She has been involved in the management and oversight of superfund cleanups at both federal facility and private sites since 2004. Prior to that, she was the Brownfields Coordinator for Region 1 and a remedial project manager in the Superfund Program. Lynne has a BS in Chemical Engineering from the University of Massachusetts.

**John M. Regan, P.G.**, Administrator  
Hazardous Waste Remediation Bureau, NH Department of Environmental Services  
29 Hazen Drive, PO Box 95, Concord, NH 03302-0095  
(603) 271-3744 | john.regan@des.nh.gov

John M. Regan is the Administrator of the Hazardous Waste Remediation Bureau in the Waste Management Division of the New Hampshire Department of Environmental Services. He has 40 years of experience including 35 years working for NHDES. In his time at NHDES he has worked on a variety of contaminated sites including State Hazardous Waste, Superfund, Brownfield, Department of Defense, Landfill, and RCRA Corrective Action sites, and has dealt with wide range of contaminants including several emerging contaminants. He received a Bachelor of Science in Hydrology from the University of New Hampshire and is a licensed Professional Geologist in New Hampshire.

**Harrison Roakes**, Senior Project Engineer  
Sanborn, Head & Associates, Inc.  
20 Foundry Street, Concord, NH 03301  
(603) 415-6156 | hroakes@sanbornhead.com

Harrison Roakes is an environmental engineer at Sanborn, Head & Associates. As part of the consulting team at Sanborn Head, he works with clients and partners on a variety of projects that include environmental and hydrogeologic investigations, development projects, and environmental consulting. Harrison also volunteers on non-profit international development teams on projects that involve water resources and water treatment. He graduated from the University of New Hampshire in 2014 with a B.S. and M.S. in Environmental Engineering.

**John Schmeltzer**, Environmental Analyst  
Vermont Department of Environmental Conservation  
Waste Management and Prevention Division  
1 National Life Drive, Davis 1, Montpelier, VT 05620-3704  
(802) 249-5620 | john.schmeltzer@vermont.gov

John Schmeltzer is an Environmental Analyst for the Vermont Department of Environmental Conservation. He has worked at the Department for 20 years, overseeing investigations and cleanups at contaminated waste sites. He is currently co-managing the State's response to PFOA contamination in North Bennington and Bennington. Prior to working for the state, John worked for a government contractor at the Nevada Test Site, performing site characterization at two low-level radioactive waste facilities. He has a Bachelor of Science Degree in Watershed Hydrology from the University of Arizona and a Master of Science Degree in Water Resource Management from the University of Nevada, Las Vegas.

**Steven Woodard**, President and Chief Technology Officer

ect<sub>2</sub>

75 Washington Avenue, Suite 203, Portland, ME 04101-2617

(207) 482-4601 | SWoodard@ect2.com

Steve is the President and co-founder of ect<sub>2</sub> (Emerging Compounds Treatment Technologies). ect<sub>2</sub>, a subsidiary of Haley & Aldrich, is an equipment company focused on developing, and bringing to market, treatment technologies for emerging, difficult-to-treat compounds. Steve is also the inventor of BioMag, a biological treatment process that was recently purchased by Siemens Water Technologies. Steve's focus is currently on bringing Synthetic Media technology to the marketplace for the treatment of 1,4-dioxane, perfluorinated compounds, and other emerging compounds. He received his Ph.D. in Environmental Engineering from Purdue University in 1992.

**Stephen G. Zemba**, Project Director

Sanborn, Head & Associates, Inc.

2 South Main Street, Suite 2, Randolph, VT 05060

(802) 431-0539 | szemba@sanbornhead.com

Steve has consulted in the field of health risk assessment for 27 years after receiving his doctorate from M.I.T. in 1989. He joined Sanborn Head a year ago, and he also to teach courses on air quality at Tufts and U-Mass Lowell.

### Upcoming EBC Programs

- November 22: Climate Change Program – Financing Resilience – The Big Question
- November 29: Energy Resources Program – Energy Storage Comes to Massachusetts
- November 30: Connecticut Program – What's in Your Groundwater?
- **December 1: EBC 18<sup>th</sup> Annual Winter Garden Party**
- December 2: Water Resources Committee – Program Planning Meeting
- December 6: Energy Resources Program – Update from DOER Division Directors
- December 6: Annual Rhode Island Holiday Party
- **December 8: Annual New Hampshire Holiday Party**
- December 9: Solid Waste Management Committee – Program Planning Meeting
- December 13: Energy Resources Committee – Program Planning Meeting
- December 13: Young Environmental Professionals Committee – Program Planning Meeting
- **December 15: Site Remediation and Redevelopment Committee – Program Planning Meeting**

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