



**EBC Site Remediation and Redevelopment Program
In-Situ Remediation - A Retrospective on the State of the Industry**

Friday, May 25, 2018

McLane Middleton | Woburn, MA

AGENDA

- 8:00 a.m. **Welcome, Introduction, and Program Overview**
- Frank Ricciardi, Program Co-Chair & Moderator
Vice President, Weston & Sampson
- Welcome from McLane Middleton**
- Elizabeth Mason, Attorney, McLane Middleton
- 8:30 a.m. **In-Situ Chemical Oxidation – A Case Study**
- Frank Ricciardi, Vice President, Weston & Sampson
- 9:00 a.m. **In-Situ Technologies from the Remediation Contractor’s Perspective**
- Dennis Keane, Vice President of Hydrogeologic Services, XDD, LLC
- 10:00 a.m. **Networking Break**
- 10:30 a.m. **In-Situ Thermal Treatment**
- Overview of In Situ Thermal Remediation Technologies**
- Gorm Heron, Chief Technology Officer, Cascade Thermal
- Case Study – ISTR at the SRSNE Superfund Site**
- Bruce Thompson, Director, *de maximis, inc.*
- 11:15 a.m. **Panel Discussion**
- Moderator: **David Ciccalone**, Roux Associates
- Panelists:
- Gorm Heron, Cascade Thermal
 - Dennis Keane, XDD, LLC
 - Frank Ricciardi, Weston & Sampson
 - Bruce Thompson, *de maximis, inc.*
- 12:00 p.m. **Adjourn – Closing Comments – Frank Ricciardi**

PROGRAM CO-CHAIRS

Frank Ricciardi, P.E., LSP, Vice President
Weston & Sampson
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Mr. Ricciardi is a registered Professional Engineer and Licensed Site Professional with 25 years of experience in project management, environmental engineering, remediation system design, and hazardous waste site assessments. Mr. Ricciardi has extensive experience in the design and implementation of remediation alternatives for many PCB contaminated sites. He has managed the assessment/remediation of U.S. Environmental Protection Agency (EPA) Superfund sites and state hazardous waste sites. He is currently principal in charge of several PFAS projects in Weston & Sampson's Environmental, Geotechnical, and Energy (EG&E) Program. Frank is the chair of the EBC Emerging Contaminants and PCB Subcommittee.

David Ciccalone, Senior Hydrogeologist
Roux Associates
12 Gill Street, Woburn, MA 01801
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David is a Senior Hydrogeologist at Roux Associates Woburn, Massachusetts office with 12 years of experience in the environmental consulting industry. David's primary responsibilities include design and management of investigation and remediation projects across New England and New York. He is highly experienced in the development of three-dimensional site characterization visualizations in support of conceptual site model development or refinement. Additionally, David is well versed in hazardous building materials having managed over one million square feet of survey work in the Boston area over the past three years in support of multiple large-scale demolition and redevelopment projects.

SPEAKERS

Gorm Heron, Chief Technology Officer
Cascade Thermal
151 Suffolk Lane, Gardner, MA 01440
(978) 730-1200 | gheron@cascade-env.com

Dr. Heron is responsible for site evaluation and treatment design. He specializes in a broad range of thermal remediation methods, including Thermal Conduction Heating and Steam Enhanced Extraction. From 1995 to 1998, Dr. Heron conducted research on thermal remediation at the US EPA lab in Ada, Oklahoma, and at the University of California at Berkeley. He was the lead engineer with SteamTech Environmental Services from 1999 to early 2004, where he designed and implemented field-scale steam and electrical heating systems. Dr. Heron has been a key member of Cascade Thermal's team since 2004. He also serves as the Chief Technology Officer for Cascade Technical Services, in charge of complex sites and combined remedies.

Dennis Keane, P.G., Vice President of Hydrogeologic Services
XDD, LLC
22 Marin Way, Stratham, NH 03885
(603) 778-1100 | keane@xdd-llc.com

Dennis is a Geologist at XDD's Stratham, NH office with over 15 years remediation experience. He has an in-depth technical and practical understanding of many in-situ technologies. In addition, Dennis has extensive experience in focused Phase II and pre-design site investigations, including geostatistical

interpretation of available data to yield high quality sampling programs. Mr. Keane's extensive understanding of subsurface mass estimation, hydrogeologic, and fate and transport modeling has enabled timely and cost effective evaluations of remedial options and design configurations for his clients.

Bruce R. Thompson, Director

de maximis, inc.

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Bruce is a member of the Board of Directors of *de maximis, inc.*, with responsibility for the company's New England operations. He has more than twenty-six years of experience managing the technical, administrative, and financial aspects of major site investigation and remediation projects. He currently serves as the PRP Group's "Project Coordinator" for work under Consent Decrees and Administrative Orders at the following Superfund sites: York Oil OU1 and OU2 (Moir, NY), Solvents Recovery Service of New England, Inc. (Southington, CT), Nuclear Metals, Inc. (Concord, MA), and Industri-plex OU2 (Woburn, MA). He is a 1985 graduate of the United States Naval Academy.

UPCOMING EBC PROGRAMS

MAY 2018

May 30 – Connecticut Chapter Summer Gathering – Connecticut Valley Brewing Company

May 31 – RI Workshop: Beer & PCBs – An Introduction to PCB Assessment and Remediation

JUNE 2018

June 1 – Infrastructure Program: Update and Overview of WIFIA Water Infrastructure Loan Program

June 4 – Solid Waste Management Committee Program Planning Luncheon

June 5 – Site Visit: University of New Hampshire Stormwater Center

June 8 – Climate Adaptation Forum: Design World Views on Adaptation and Resiliency

June 11 – Energy Resources Committee Program Planning Meeting

June 12 – Solid Waste Management Program: Organics Processing in New England

June 13 – Dam Management Program: Emergency Action Planning

June 14 – Site Remediation Program: Asbestos Management and Disposal

June 15 – Review of Environmental Programs & Opportunities at the U.S. Department of Defense

June 20 – New Hampshire Program: PCB Intermediate Program

June 21 – Connecticut Program: Contaminants of Emerging Concern – Update on PFAS

June 22 – Climate Program – Protecting Boston: The Boston Harbor Barrier Study

June 27 – 25th Annual EBEE Awards and 28th Annual Meeting

June 29 – Infrastructure Program: ENVISION

JULY 2018

July 11 – Climate Change and Air Committee Program Planning Meeting

July 12 – Site Remediation and Redevelopment Committee Program Planning Meeting

July 12 – NH Update – U.S. EPA Regional Administrator Alex Dunn & NH DES Commissioner Robert Scott

July 13 – Ocean & Coastal Resources Program – 2nd Annual Coastal Construction Case Studies

July 17 – EBC PCB Management Program – Managing PCB Impacted Building Materials

July 18 – Rhode Island Program: Brownfields – Success Stories and Lessons Learned

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