



EBC Site Remediation and Redevelopment Webinar Beneficial Use Determinations – An Effective (but underutilized?) Tool

Tuesday, July 20, 2021

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Program Co-Chairs

Jessica Englehart, PE, Project Manager, GEI Consultants
Frank Ricciardi, PE, LSP, Vice President, Weston & Sampson

AGENDA

- 9:00 a.m. **Welcome**
- David Foss, Chair, EBC Site Remediation and Redevelopment Committee
Senior Vice President – Principal Hydrogeologist, Wilcox & Barton, Inc.
- Program Introduction – What You Will Learn**
- Jessica Englehart, PE, Program Co-Chair and Moderator
Project Manager, GEI Consultants
- 9:15 a.m. **This BUDs for You! Safe, Sustainable Reuse Options for Construction Materials and Environmental Media**
- Frank Ricciardi, PE, LSP, Vice President, Weston & Sampson
- 9:30 a.m. **The BUD Risk Assessment Process – Considerations for Application**
- Marie Rudiman, Senior Risk Assessor/Toxicologist
Weston & Sampson Engineers, Inc
- 9:50 a.m. **Networking Opportunity**
- 10:10 a.m. **Break**

- 10:20 a.m. **BUD Case Studies – Implementing Sustainable Solutions**
- Todd Bridgeo, PE, LSP, Senior Project Manager, Weston & Sampson
- 10:40 a.m. **A Status Update on BUDs from MassDEP**
- Tom Adamczyk, Environmental Analyst, Bureau of Air & Waste
Massachusetts Department of Environmental Protection
- 11:00 a.m. **Moderated Discussion**
- Panel Moderator:** Frank Ricciardi, Program Co-Chair
PE, LSP, Vice President, Weston & Sampson
- Panel Members:**
- Tom Adamczyk, MassDEP
 - Todd Bridgeo, Weston & Sampson
 - Marie Rudiman, Weston & Sampson
- 11:30 a.m. **Adjourn**

PROGRAM CO-CHAIRS

Jessica Englehart, PE, Project Manager
GEI Consultants
400 Unicorn Park Drive, 3rd Floor, Woburn, MA 01801
781-721-4104 | jenglehart@geiconsultants.com

Ms. Englehart is an environmental engineer with 10 years of experience performing and managing assessment, construction, and remediation projects to support regulatory compliance for public and private clients. Projects have included former manufactured gas plants and sites with chlorinated solvent, petroleum, and polychlorinated biphenyl contamination. Jessica has designed and implemented remedies including vapor mitigation systems, in-situ soil and groundwater treatment, excavation, and dredging.

Frank Ricciardi, PE, LSP, Vice President
Weston & Sampson
55 Walkers Brook Drive, Suite 100, Reading, MA 01867
978-573-4040 | M 617-548-8137 | ricciarf@wseinc.com

Mr. Ricciardi is a registered Professional Engineer and Licensed Site Professional with 28 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 contaminated sites across the United States and Internationally. He has managed the assessment/remediation of U.S. Environmental Protection Agency (EPA) Superfund sites and state hazardous waste sites including the U.S. Army's Soldier Systems Center in Natick, Massachusetts; the abandoned Elizabeth Mine Superfund Site in central Vermont; and several Massachusetts Bay Transportation Authority (MBTA) heavy maintenance facilities in Massachusetts. He also serves on Weston & Sampson's corporate sustainability team which is responsible for the company's continued efforts toward reducing greenhouse gas emissions and energy consumption.

SPEAKERS

Thomas Adamczyk, Environmental Analyst
Bureau of Air & Waste
Massachusetts Department of Environmental Protection
1 Winter Street, Boston, MA 02108
617-292-5500 | thomas.adamczyk@mass.gov

Mr. Adamczyk is an environmental professional with 27 years of experience. He has been at the Massachusetts Department of Environmental Protection for the past 23 years. His work includes research on biodegradable polymers in varying environmental conditions, using composting systems for waste reduction, permitting both hazardous waste transporters and facilities, and is an expert in the solid waste program including beneficial use determination, recycling facility, compost facility, conversion facility and solid waste facility permitting and inspection, and solid waste policy and regulation development.

Todd Bridgeo, Senior Project Manager
Weston & Sampson
100 International Drive, Suite 152, Portsmouth, NH 03801
603-431-3937 | bridgeot@wseinc.com

Mr. Todd Bridgeo, PE, LSP has over 15 years of experience overseeing and managing projects involving site assessment, environmental remediation, and hazardous waste management. A Registered Professional, Todd has extensive experience implementing site assessment and remediation using innovative and high-resolution site characterization technologies. He is an expert in assessing and remediating non-aqueous phase liquids and evaluating and mitigating vapor intrusion from chlorinated solvents and petroleum releases. Todd's experience also includes managing all aspects of handling contaminated soil and groundwater during several large infrastructure and redevelopment improvement projects, having provided these services to the City of Chelsea and other public/private clients for sites throughout New England.

Marie Rudiman, Senior Risk Assessor / Toxicologist
Weston & Sampson
55 Walkers Brook Drive, Suite 100, Reading, MA 01867
978-793-2798 | rudimanm@wseinc.com

Ms. Rudiman is a risk assessor and toxicologist with 27 years of experience in the environmental field. Marie manages and prepares all components of complex, multi-pathway, quantitative human health and environmental risk characterizations using US EPA Superfund/TSCA, Massachusetts MCP, and/or state-based regulations. She is a technical advisor and reviewer for complex environmental reports and serves as technical expert on USEPA Risk Assessment Guidance for Superfund (RAGS), Massachusetts Contingency Plan (MCP) regulations, human health and environmental risk characterizations, and toxicology. She develops risk-based cleanup goals for various site media and action levels for fugitive dust exposures to support facility closures and remediation of hazardous waste sites. She also serves on Weston & Sampson's emerging contaminants team which is responsible for the company's continued efforts in understanding issues about emerging contaminants (such as PFAS, TCE, dioxins...), and sharing information and opportunities in emerging fields.

A few of the more complex risk assessments Marie has managed include the Charlestown Navy Yard redevelopment in Charlestown, MA where PCBs, metals, and petroleum hydrocarbons were evaluated for redevelopment of the Site as a high-rise hotel and museum, Conway Park in Somerville, MA which included evaluation of potential Imminent Hazards and human and environmental health risks posed by PCBs and lead detected in soil, and Taconic in Petersburg, NY which is a multi-pathway Human Health and Environmental PFAS evaluation.