



**EBC Dam Management Program
Dam Removal in the Northeast... *Are You Doing It Right?***

Friday, October 18, 2019

Bowditch & Dewey, LLP | Framingham, Massachusetts

Thank you to our Silver Sponsor



AGENDA

- 8:00 a.m. **Welcome and Program Introduction and Overview – What you will Learn**
- Christopher D. Haker, P.E., Chair, EBC Dam Management Committee
Principal Engineer, Tighe & Bond
- 8:15 a.m. **Common Challenges and Missteps in Dam Removal Practice**
- Kris Houle, PE, Senior Ecological Restoration Engineer, Massachusetts Division of Ecological Restoration
 - Nick Wildman, CERP, Ecological Restoration Specialist, Massachusetts Division of Ecological Restoration
- 9:15 a.m. **The Removal Decision: Making it, and Sticking With It**
- Dan Buttrick, PE, Senior Engineer, Tighe & Bond
- 9:45 a.m. **Upper Roberts Meadow Reservoir Dam Breach and Stream Restoration – Sediment Management Approach**
- Matt Taylor, Principal, GZA GeoEnvironmental, Inc.
- 10:15 a.m. **Networking Break**
- 10:45 a.m. **How “Doing It Right” Has Evolved**
- Chad Sumner, Managing Principal, SumCo EcoContracting
- 11:15 a.m. **Moderated Discussion**
- Panel Moderator:** Chris Haker, Tighe & Bond

Panel Members:

- Dan Buttrick, PE, Tighe & Bond
- Kris Houle, Massachusetts Division of Ecological Restoration
- Chad Sumner, SumCo EcoContracting
- Matt Taylor, GZA

12:00 p.m. **Adjourn – Closing Comments – Chris Haker**

PROGRAM CHAIR AND MODERATOR

Chris Haker, Principal

Tighe & Bond

120 Front Street – Suite 7, Worcester, MA 01608

508-471-9645 | CDHaker@tigheBond.com

Christopher D. Haker, P.E. heads the Dam Engineering Group at Tighe & Bond. Chris has 23 years of experience in dam and geotechnical engineering. He holds a BS degree in Civil Engineering from Northeastern University an MS degree in Civil Engineering from the Georgia Institute and Technology. He is a registered professional engineer in Massachusetts, New Hampshire, Rhode Island, and Connecticut. He has been the project manager and lead designer for multiple concrete, stone masonry, and earth embankment dam rehabilitation projects.

SPEAKERS

Dan Buttrick, PE, Senior Engineer

Tighe & Bond

53 Southampton Road, Westfield, MA 01085

413-572-3225 | drbuttrick@tighebond.com

Daniel Buttrick is a civil engineer with a background in dam engineering, water resources engineering and management, and environmental compliance in Massachusetts, Connecticut, and New York. His experience extends to a wide variety of water resources projects, including dam evaluation, repair, and maintenance; environmental impact assessment and documentation; watershed planning; environmental permitting; and industrial, municipal, and utility regulatory compliance and pollution prevention. He is a member of the Easthampton, Massachusetts Conservation Commission and served as a member of the City's ad-hoc stormwater committee. He holds a Master of Science in Environmental Engineering from the University of Massachusetts – Amherst.

Kristopher Houle, PE, Senior Ecological Restoration Engineer

Massachusetts Department of Ecological Restoration

251 Causeway Street, Suite 400, Boston, MA 02114

617-626-1543 | kris.houle@mass.gov

Kristopher Houle is a Project Manager and Senior Ecological Restoration Engineer for the Massachusetts Division of Ecological Restoration (DER). Kris leads DER's Engineering Group, which works to ensure that the Division's river, tidal, and freshwater wetland restoration projects are technically sound and balance ecological objectives with the built environment. Kris is managing numerous technically-challenging dam removal projects across the Commonwealth. He has served on the Board of Directors of the Society for Ecological Restoration (SER) New England Chapter since 2014. Kris is a registered Professional Engineer in Massachusetts and holds M.S. and B.S. degrees in civil/water resources engineering. He has twelve

years of experience managing, designing, and overseeing implementation of restoration efforts throughout Massachusetts and New England.

Chad Sumner, Managing Principal
SumCo EcoContracting
2 Centennial Drive – Suite 4D, Peabody, MA 01960
978-744-1515 | csumner@sumcoeco.com

Chad Sumner is a Co-founder and Principal of SumCo Eco-Contracting, a company devoted to the specialized field of ecological construction. SumCo has completed over 40 dam removal projects. Chad is a scientist by education and training, having received his Master's degree in Conservation Biology and dual Bachelor's degrees magna cum laude in Geology and Biology from the University of Pennsylvania. He has worked "in the field" at project sites for nearly 20 years; has been active in many of the company's dam removal and river restoration projects, and oversaw the development and installation of the firm's ecological construction and revegetation projects for over 10 years. Chad is an active member of and frequent presenter at the Society of Wetland Scientists, the Association of Massachusetts Wetland Scientists, and the Environmental Business Council of New England, for which he also serves as co-Chair of the Dams Committee and member of the Board of Directors.

Matthew Taylor, Principal
GZA GeoEnvironmental, Inc.
249 Vanderbilt Avenue, Norwood, MA 02062
781-278-5803 | matthew.taylor@gza.com

Matthew Taylor is GZA's Metro Boston Dam and Levee Safety Group Leader. He holds a BS in Civil Engineering degree from the University of Rhode Island and an MS in Civil Engineering (Geotechnical) from Northeastern University. He is a registered professional engineer in CT, MA, ME, RI, NJ and NY and is a FERC-approved Independent Consultant. His current duties include dam and levee safety inspections, seepage and stability analyses, subsurface explorations and instrumentation, preparation of EAPs, hydropower feasibility studies and relicensing assignments; and management of the dam rehabilitation and dam removal projects from inspection through construction administration. He is a past chair of the BSCES Geo-Institute, past chair of the EBC NE Dam Management Committee and is a member ASDSO, USSD and NHA.

Nick Wildman, CERP, Ecological Restoration Specialist
Massachusetts Department of Ecological Restoration
251 Causeway Street, Suite 400, Boston, MA 02114
617-626-1527 | nick.wildman@mass.gov

Nick Wildman is a Certified Ecological Restoration Practitioner and the Dam Removal Practice Lead for the Massachusetts Division of Ecological Restoration. As part of this work, Nick is the Division's lead on several high-profile dam removal projects and directs the Division's overall efforts to increase the frequency and benefits of dam removal in the state. He is also the Vice Chair of the Narragansett Bay Estuary Program's Steering Committee. Since 2010, he has co-led the Division's work examining the economic effects of restoration. Nick has over 13 years of private and public sector experience directing river and wetland projects in the northeast. He holds a Master of Environmental Management degree from Duke University.

Environmental Business Council of New England, Inc.
375 Harvard St, Suite 2 Brookline, MA 02446
617-505-1818 // ebc@ebcne.org // www.ebcne.org // Twitter @ebcne

UPCOMING EBC PROGRAMS

OCTOBER 2019

- October 22 – Rhode Island Emerging Contaminants Program: PFAS Overview
- October 22 – EBC & WilmerHale Present: An Evening with Offshore Wind Industry Leaders
- October 23 – Leadership Series with MassDEP Regional Teams: Northeast
- October 24 – New Hampshire Offshore Wind Update
- October 29 – Ocean & Coastal Resources Program: MVP Implementation
- October 30 – Update from the Connecticut DEEP Environmental Quality Leadership Team

NOVEMBER 2019

- November 1 – Rhode Island Solid Waste Update
- November 4 – Solid Waste Management Committee Program Planning Meeting
- November 5 – Water Resources Program: PFAS in Water
- November 6 – Leadership Series with MassDEP Regional Teams: Western
- November 7 – Connecticut Emerging Contaminants Program: PCB Wastes
- November 7 – Connecticut Chapter Program Planning Meeting
- November 8 – Annual Ocean and Coastal Resources Dredging Conference
- November 12 – Solid Waste Management Program: Impact of PFAS on Solid Waste Operations
- November 13 – Evening Program: Update from MWRA Executive Director Fred Laskey

DECEMBER 2019

- December 5 – Annual Winter Garden Party
- Dec 9 – Dam Management Committee Program Planning Meeting**