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

Friday, October 18, 2019

Bowditch & Dewey, LLP | Framingham, Massachusetts

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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
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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
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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
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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  
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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  
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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 BSCE 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  
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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.
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