EBC Professional Development Program
Dam Practice for the Ascending Professional – An Advanced Introduction

Thursday, April 18, 2019

Tetra Tech | Marlborough, MA

Thank you to our Collaborating Organization

Thank you to our Silver Sponsors

AGENDA

6:00 p.m. Welcome: Jackson Bailey, Marketing & Program Manager, EBC

Program Introduction and Overview on Dams – Basic Concepts and Terminology
• Juan Pestana, P.E., Program Co-Chair
  Senior Principal and DPAP, Geosyntec Consultants

6:10 p.m. The Role of Dams in Flood Damage Reduction – A Systemic Approach
• Col (ret) Curtis Thalken, Senior Vice President / Chief Operating Officer
  Normandeau Associates, Inc.

6:40 p.m. Why Dam Safety? Current Practice and New Initiatives
• J. Matthew Bellisle, P.E., Senior Vice President, Pare Corporation

7:10 p.m. Dams and Fish Survival – Fisheries Perspective
• Tyler Parent, Program Co-Chair
  Fisheries Scientist, Normandeau Associates, Inc.

7:15 p.m. Panel Discussion

7:30 p.m. Adjourn
**PROGRAM CO-CHAIRS**

**Tyler Parent**, Fisheries Scientist  
Normandeau Associates, Inc.  
30 International Drive, Suite 6, Portsmouth, NH 03801  
(805) 708-6472 | tparent@normandeau.com

Tyler is a Fisheries Scientist working for Normandeau Associates. He works on a wide range of mainly freshwater fisheries projects. He and the rest of the Normandeau team conduct biological surveys for a diverse range of clients in the region and nation-wide. Most of the projects that he is currently involved with are located in the New England area, including work involving several hydroelectric dams. Tyler holds a Bachelor of Science Degree in Wildlife and Fisheries Biology from the University of Vermont.

**Juan M. Pestana**, Senior Principal  
Geosyntec Consultants, Inc.  
289 Great Road, Suite 202, Acton, MA 01720  
(978) 206-5753 | JPestana@Geosyntec.com

Dr. Pestana is a Senior Principal at Geosyntec Consultants, Acton with over 30 years of consulting experience. Dr. Pestana has worked extensively on the numerical analysis of levees and dams, stability and mitigation of settlements and limiting ground deformations in soft ground conditions and liquefaction prone soils. He performed/supervised numerical modeling to estimate ground deformations and stability for sensitive levees in California and he led a large numerical modeling effort of the performance of levees in New Orleans following Hurricane Katrina. Most recently, he worked in the modeling of hydraulic fracturing of an earth dam from grouting injections performed during the remediation and construction of a vertical cut-off system.

**SPEAKERS**

**J. Matthew Bellisle, P.E.,** Senior Vice President  
Pare Corporation  
10 Lincoln Road, Suite 103, Foxboro, MA 02035  
(508) 543-1755 | mbellisle@parecorp.com

Mr. Bellisle is a Senior Vice President with the civil engineering firm Pare Corporation (PARE). In this capacity, Mr. Bellisle leads PARE's Geotechnical Division in the completion of the firm's dam, geotechnical and waterfront engineering projects, which include inspection, instrumentation, evaluation, and design, as well as soils evaluations and foundation designs. Mr. Bellisle's experience spans more than 23 years and includes more than 750 dam inspections and evaluations, the design of 2 new dams, and the repair of more than 75 dams throughout New England. Mr. Bellisle has provided presentations to numerous public agencies and has provided training sessions for other engineering professionals through FEMA, RIEMA, RISPE, NEWWA, MADCR and MADCR DWP.

Mr. Bellisle received a Bachelor of Science in Civil and Environmental Engineering and a Masters of Science in Civil Engineering from the University of Rhode Island and is a registered professional engineer in Massachusetts, Rhode Island, New Hampshire and New York.
Colonel (Retired) Curtis Thalken, P.E., Senior Vice President / Chief Operating Officer
Normandeau Associates, Inc.
25 Nashua Road, Bedford, NH 03102
(603) 472-5191 | cthalken@normandeau.com

Curt Thalken has over 35 years of engineering experience including work in both austere and developed environments. He is currently the Senior Vice President and Chief Operating Officer at Normandeau Associates Inc., one of the nation’s largest science based environmental consulting firms with over 250 employees located in 14 offices in 11 states. Prior to joining Normandeau, COL Thalken served on active duty in the U.S. Army as an engineer officer for over 25 years, including assignments teaching at the United States Military Academy, at West Point NY and commanding an engineer battalion in Afghanistan. His military engineering career culminated as Commander of the New England District of the U.S. Army Corps of Engineers (USACE), from 2005 - 2008. His education includes a BS from the United States Military Academy and MS from Dartmouth College’s Thayer School of Engineering. He is a licensed professional engineer in the states of: CT, NH and FL.

UPCOMING EBC PROGRAMS

APRIL 2019
April 24 – Connecticut Update from the CT DEEP Leadership
April 26 – Climate Change Program: Business and Facility Planning and Preparedness
April 30 – EBC & YPE ISO New England Site Visit & Tour

MAY 2019
May 1 – New Hampshire Ascending Professionals Program Planning Meeting
May 1 – New Hampshire Ascending Professionals Regulatory Meet and Greet
May 2 – Emerging Contaminants Program: PFAS Overview
May 7 – New Hampshire Program: Update on NHDES Wetlands Rulemaking
May 9 – Rhode Island Program: ENVISION Briefing
May 9 – Spotlight on Success: The 2018 Ascending Leaders Award Recipients Panel
May 10 – Emerging Contaminants Program: PCB Air Sampling and Encapsulation
May 13 – New Hampshire Chapter Program Planning Meeting
May 15 – Offshore Wind Program: Workforce Development
May 16 – Connecticut Dam Management Program: Emergency Action Planning
May 16 – Connecticut Chapter Program Planning Luncheon
May 17 – Climate Change Program: Regional Flood Pathways
May 20 – Ocean and Coastal Resources Committee Program Planning Meeting
May 21 – Solid Waste Management Program: Organics in Massachusetts
May 23 – Evening Program: Climate Programs from the City of Boston and the Commonwealth
May 24 – Energy Resources Site Visit: MassCEC Wind Technology Testing Center
May 29 – Site Remediation and Redevelopment Program: Brownfields Tax Credits
May 30 – Coastal Resources Program: Municipal Vulnerability Assessments for Coastal Communities
May 31 – Energy Resources Program: Carbon Capture & Sequestration

JUNE 2019
June 10 – Dam Management Committee Program Planning Luncheon
June 19 – EBC 26th Annual EBEE Awards and 29th Annual Meeting

375 Harvard St, Suite 2  Brookline, MA 02446
617-505-1818 // ebc@ebcne.org // www.ebcne.org // Twitter @ebcne