



## **EBC Water Resources Webinar Industrial Stormwater Permitting**

*What's happening now and what's on tap for the future?*

Thursday, October 15, 2020

### **AGENDA**

- 2:00 p.m. **Welcome:** Peter Durning, Chair, EBC Water Resources Committee  
Managing Shareholder, Mackie Shea Durning, PC
- Program Introduction – what you will learn:**
- Andrea Braga, P.E., CPESC, Program Co-Chair  
Principal Water Resources Engineer, Jacobs
- 2:20 p.m. **Proposed 2020 MSGP Changes and Summary of Comments Received**
- David Gray, Environmental Engineer  
Stormwater and Construction Permit Section  
U.S. Environmental Protection Agency, Region One
- 2:50 p.m. **MassDEP Strategy for PFAS Monitoring at Industrial Facilities**
- Stephanie Cooper, Deputy Commissioner of Policy and Planning  
Massachusetts Department of Environmental Protection
- 3:20 p.m. **Networking Opportunity**
- 3:35 p.m. **Break**
- 3:45 p.m. **PFAS in Surface Waters: What we know, What we don't know, and Why it matters!**
- Chris McCarthy, Principal Technologist, Jacobs
- 4:15 p.m. **Moderated Discussion with Presenters**
- Moderator:** Caroline Hampton, Program Co-Chair  
Water Resources Department Manager, VHB
- 4:45 p.m. **Adjourn**

## PROGRAM CO-CHAIRS

**Andrea M. Braga**, P.E., CPESC, Principal Water Resources Engineer  
Jacobs  
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Andrea is a Principal water resources engineer with extensive experience leading projects of varying size, type, scope, and complexity. Her technical specialties include stormwater management system design, surface water hydrologic and hydraulic modeling, and National Pollutant Discharge Elimination System (NPDES) compliance. Andrea has considerable experience in low impact development and green stormwater infrastructure planning, design, permitting, construction oversight, monitoring, and maintenance.

Andrea has presented on water resources and stormwater-related topics at over 30 conferences and workshops nationwide, including the NEIWPC Annual NPS Conference, IECA's Environmental Connection Conference, EWRI International Low Impact Development Conference, and NEWEA Annual Conference. She is also a technical peer reviewer for the Journal of Irrigation and Drainage and the Journal of Environmental Engineering.

Andrea is a Registered Professional Engineer in MA, NY, and RI, a Certified Professional in Erosion and Sediment Control and a Certified Municipal Vulnerability Preparedness Provider.

**Caroline Hampton**, Water Resource Department Manager  
VHB  
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Caroline is VHB's Director of Water Resources Department in Watertown and a Registered Professional Engineer and Envision Sustainability Professional with extensive experience in water resource permitting, program development, and engineering. She specializes in Clean Water Act compliance, water quality, hydraulics, and hydrology specialties for state, municipal and private clients. Most recently, she has focused on assisting multiple state transportation and municipal officials in building robust programs that provide compliance with EPA's NPDES Phase II MS4 general permit.

## SPEAKERS

**Stephanie Cooper**, Deputy Commissioner of Policy and Planning  
Massachusetts Department of Environmental Protection  
One Winter Street, 2nd Floor, Boston, MA 02108  
617.292.5536 | stephanie.cooper@state.ma.us

Stephanie Cooper was appointed as Deputy Commissioner for Policy & Planning for the Massachusetts Department of Environmental Protection in December 2017. In this role she leads agency efforts pertaining to regulatory reform and manages priority initiatives related to air, waste, and water. She joined the agency in 2015, serving as Chief of Staff prior to assuming her current role. Previously, as Assistant Secretary at the Massachusetts Executive Office of Energy & Environmental Affairs, she guided the state's forestry policies and robust investment in land protection, focusing on urban parks, habitat reserves, and working landscapes. Prior to that, as Chief of Staff for the Department of Conservation and Recreation, she oversaw DCR's diverse responsibilities across a 450,000-acre forest and parks system. Previously, Stephanie served the City of New York in a variety of roles, including Chief of Staff

for Operations and Director of Management Analysis at the NYC Department of Transportation, and in the Mayor's Office, where she was a liaison to transportation, environmental protection, and capital construction agencies. Her other prior experience includes consulting, community organizing and non-profit work. She holds a BA in political science from Middlebury College and a Master's in public administration from Syracuse University's Maxwell School.

**David Gray**, Environmental Engineer, Stormwater and Construction Permit Section  
US EPA Region 1  
5 Post Office Square, Ste. 100 (OEP06-1) Boston, MA 02109-3912  
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Dave serves as an Environmental Engineer in the Stormwater and Construction Permit Section for EPA - New England. His responsibilities include individual and general NPDES Permitting for municipal, industrial, and construction discharges, with an emphasis on stormwater and wet weather management. He has managed pollution control projects ranging from social marketing education campaigns, to shellfish bed restoration, to DNA fingerprinting of illicit pollution sources. He currently serves on EPA's national workgroup that is reissuing the 2020 Multi-Sector General Permit. Prior to joining EPA, he worked for MassDEP managing water and wastewater infrastructure projects under the State Revolving Loan Fund Program and implementing MassDEP's Stormwater Policy. Dave also worked for many years as a consultant specializing in water resources engineering with Camp Dresser & McKee and his own firm, Gray Environmental. He has served as resident engineer, inspector, and site contractor on a variety of private and public works projects. He has served in the Massachusetts Army National Guard, holds a B.S. in Civil Engineering from UMASS/Amherst, and is a Registered Professional Engineer.

**Chris McCarthy**, Principal Technologist  
Jacobs  
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Chris McCarthy is a nationally recognized ecological risk assessment expert that has led Jacobs eco risk practice since 2011. Chris directs teams in evaluating the likelihood and magnitude of adverse effects to biota exposed to contaminants at hazardous waste sites and working with engineers on risk management strategies. He brings experience working on large scale projects such as the Hanford Nuclear Facility and Kelly AFB as well as smaller scale sites. Chris has evaluated upland and aquatic habitats at a variety of active and closed DoD installations, petroleum refineries, chemical plants, and manufacturing and production facilities. He brings experience evaluating ecological risk for a wide variety of contaminants including heavy metals like mercury and chromium, PCBs and dioxins, radionuclides and PAHs. As a PFAS expert, Chris has presented on the ecological risk assessment of PFAS to a wide variety of audiences including the US and Australia's Departments of Defense, the Sediment Management Work Group, California Association of Sanitation Agencies, and various clients and professional organizations in the US, Canada, Italy, Australia, and New Zealand. Chris is also an active member of the Interstate Technology & Regulatory Council (IRTC) PFAS team and currently sits on their PFAS surface water workgroup which is actively working on producing a technical guidance document to help regulators and other stakeholders improve their understanding of the current science regarding PFAS and water quality criteria development.

## UPCOMING EBC PROGRAMS

### OCTOBER 2020

October 16: New Hampshire Webinar – Advancing Sustainability and a Clean Energy Future

October 20: Climate Change Webinar – FEMA's BRIC Program

October 21: Solid Waste Webinar – MassDEP Regional Solid Waste Section Chiefs

October 27: A Panel Discussion with the 2020 EBC Ascending Leader Award Recipients

October 28: New Hampshire Offshore Wind Webinar – Gulf of Maine Collaboration

October 29: Rhode Island TSCA Webinar – PCB Clean-up in the Northeast

### NOVEMBER 2020

November 2: Solid Waste Management Committee Virtual Program Planning Meeting

**November 3: Water Resources Webinar – The Clean Water Act at (Almost) 50**

November 4: New Hampshire Webinar – General Permit Coverage for Industrial Stormwater

November 5: Rhode Island Emerging Contaminants Webinar – PFAS Update

November 6: Connecticut TSCA Webinar – PCB Clean-up in the Northeast

November 6: Connecticut Chapter Virtual Program Planning Meeting

November 9: TSCA and Emerging Contaminants Virtual Program Planning Meetings

November 12: Ascending Professionals Webinar – Managing Risk – Environmental Insurance 101

November 13: 14<sup>th</sup> Annual Dredging Conference – Cleaning Up Past Contamination

**November 16: Water Resources Committee Virtual Program Planning Meeting**

November 17: Infrastructure Webinar – Boston Infrastructure Projects

November 20: Climate Adaptation Forum: Resilience and Equity in Transportation

### DECEMBER 2020

December 1: EBC Spotlight on Outstanding Collaboration – The Art of Working Together

December 2: 8<sup>th</sup> Annual New England Offshore Wind Conference: 2020 Decisions

December 3: Climate Adaptation Forum Networking Event – Climate Cocktails

December 7: Energy Resources Committee Virtual Program Planning Meeting

December 7: Dam Management Committee Virtual Program Planning Meeting

December 8: New Hampshire Chapter Virtual Program Planning Meeting

December 9: Rhode Island Chapter Virtual Program Planning Meeting

### JANUARY 2020

January 11: Infrastructure Committee Virtual Program Planning Meeting

January 11: Ocean and Coastal Resources Virtual Program Planning Meeting

January 25: Climate Change and Air Committee Virtual Program Planning Meeting

January 25: Site Remediation and Redevelopment Committee Virtual Program Planning Meeting