

28TH ANNUAL NONPOINT SOURCE POLLUTION CONFERENCE
APRIL 12 & 13, 2017
HOTEL NORTHAMPTON, MASSACHUSETTS
WWW.NEIWPCC.ORG/NPSCONFERENCE

Lessons Learned: What Worked, What Didn't & Now What?

Agenda

Wednesday, April 12 – Day 1

7:45 **Registration Begins**, *Hotel Lobby*

8:00 **Continental Breakfast**, *Atrium*

9:00-9:45 **Welcome and Opening Remarks**, *Grand Ballroom*
Heather Radcliffe, *Acting Water Resource Protection Division Director, NEIWPCC*
Melville P. Coté Jr., *Surface Water Branch Chief, EPA Region 1*
Martin Suuberg, *Commissioner, Massachusetts DEP*

9:45-10:45 **Keynote Address**, *Grand Ballroom*
Kimberly Noake MacPhee P.G., CFM, *Land Use & Natural Resources Planning Program Manager, Franklin Regional Council of Governments*

Your Best Teacher Is Your Last Mistake (or Success!): Franklin County's Lessons Learned

Healthy watershed or impaired watershed - they both can face the same challenges. The list is long and includes: untreated stormwater runoff, sediment from fluvial erosion, compromised riparian buffers, cows wading in the river and, possibly the biggest challenge of all - will I meet my grant match requirements? So, how can we design, build and fund projects that address these challenges in communities that are struggling to meet their municipal budgets and have a list of other priority projects that demand their attention and limited resources? In Franklin County, we've developed projects that approach these watershed and fiscal problems in new and innovative ways, learning some valuable lessons from our mistakes and successes along the way. The challenge of conceptualizing watershed issues and potential solutions from the perspectives of a variety of different watershed stakeholders helps to ensure long-term success and, hopefully, replication of project results.

10:45-11:15 **Refreshment Break**, *Atrium*

11:15-12:00 **General Session 1 – Making Change Happen: How to Increase Adoption of Stormwater Practices**
Grand Ballroom, Moderator: Malcolm Harper

Community Decisions about Innovations in Non-Point Source Pollution Management
James Houle, University of New Hampshire Stormwater Center

12:00-1:00 **Buffet Lunch**, *Wiggins Tavern*

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1:00-2:45 Concurrent Session 2.1 – Planning, Tracking and Designing – Oh My!

Grand Ballroom, Moderator: Jane Peirce

Massachusetts Watershed Based Plans: A New Web-Based Tool for Statewide Watershed Planning

Bob Hartzel, Geosyntec Consultants, Inc.

Microbial Source Tracking in the Navesink River Watershed in New Jersey: A Rapid, Cost-Effective Method Using Scent-Trained Canines

Swarna Muthukrishnan, PhD, Clean Ocean Action & Zachary Lees, Esq., Clean Ocean Action

Stormwater Retrofitting in Lamoille County, Vermont – Collaboration for Project Planning, Design, and Implementation

Andres Torizzo, Watershed Consulting Associates & Kimberly Jensen, Lamoille County Conservation District

Concurrent Session 2.2 – Getting it All Together: Effective Collaboration

Hampshire Room, Moderator: Trish Garrigan

Community Collaboration on Cost-Effective LID Solutions: Challenges and Opportunities

Stefanie Covino, Mass Audubon

Building Bridges Over Troubled Waters: Tools for Effective Collaboration in a Bi-State Watershed

Kira Jacobs, U.S. EPA Region 1

Implementing Green Infrastructure in Boston's Central Square: A Case Study in Overcoming Challenges and Multi-Agency Coordination

Charlie Jewell, Boston Water and Sewer Commission & Daniel Wible, P.E., CH2M

2:45-3:15 Refreshment Break, Atrium

3:15-5:00 Concurrent Session 3.1 – Implementation: What Are We Learning?

Grand Ballroom, Moderator: Steve Landry

Boston's Green Infrastructure Revolution – I Love that Dirty Watah!

Kate England, Boston Water and Sewer Commission & Richard Claytor, P.E., Horsley Witten Group, Inc.

Roger Williams Park – Episode 2: The Park Awakens

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Brian Kuchar, RLA, P.E., Horsley Witten Group, Inc. & Brian Byrnes, CPSI, Providence
Department of Parks and Recreation

The Long Road to Big Shortcuts in NPS Stormwater Management

James Houle, University of New Hampshire Stormwater Center & Bill Boulanger, Dover,
New Hampshire Public Works and Utilities

Concurrent Session 3.2 – Adapting to Change and Thinking Ahead

Hampshire Room, Moderator: Emily Bird

Tools for Climate Change Adaptation and Flood Risk Management

Andrea Braga, Geosyntec Consultants, Inc.

***Climate Change Impacts on Stormwater Best Management Practices and
Recommended Design Considerations***

Cristina Kennedy, Massachusetts Office of Coastal Zone Management

***Integrating Long Term Operation and Maintenance into Design through
Stakeholder Collaboration***

Daniel Bourdeau, Geosyntec Consultants, Inc.

5:30-7:30 Evening Reception at Fitzwilly's

23 Main Street, Northampton

Thursday, April 13 – Day 2

7:45 Registration Begins & Continental Breakfast, Hotel Lobby & Atrium

8:30-10:00 General Session 4 – Nutrient Reduction and Reuse

Grand Ballroom, Moderator: Steve Winnett

A Regional Collaboration to Maximize Resources and Accelerate the Advance of Non-Proprietary Nitrogen Reducing Wastewater Treatment Technologies

Harold Walker, Stony Brook University & George Heufelder, Massachusetts Alternative
Septic System Test Center

***Managing Phosphorus Loads from Agricultural Cranberry Bogs to Restore White Island
Pond***

Mark Mattson, Massachusetts Department of Environmental Protection

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The Regional Compost Feasibility Study & Pilot Project “Building Unconventional Partnerships through Innovation to Solve Water Quality Issues on the Scituate Reservoir”

Gina DeMarco, Scituate Reservoir Watershed Education Program

10:00-10:30 Refreshment Break, Atrium

10:30-11:45 General Session 5 – Watching the River Flow

Grand Ballroom, Moderator: Jane Peirce

Self-Forming Streams

Daniel Ketzer, P.E., PrincetonHydro

To Restore or Not to Restore, That is the McQuesten!

Michele L. Tremblay, New Hampshire Rivers Council & Stephen Landry, New Hampshire Department of Environmental Services

11:45 Closing Remarks and Announcement of the 29th Annual Nonpoint Source Conference, Grand Ballroom

12:00 Adjourn

12:30 – 5:00 Field Trip: Franklin County LID

The afternoon Field Trip to various Low Impact Development sites in Franklin County will be a guided tour of the following locations, provided by a member of the Franklin Regional Council of Governments:*

- Transit Center Curbless Island, *Greenfield*
- Olive St. Sidewalk Rain Garden, *Greenfield*
- High School Rain Gardens, *Greenfield*
- Deerfield Academy Green Roof, *Deerfield*
- Unity Park Rain Gardens, *Turner Falls*
- Riverfront Park, *Orange*

If you are attending the field trip, please check in at the Registration Desk following the adjourning of the conference, where you will pick up your lunch.