

21ST ANNUAL NPS CONFERENCE

NONPOINT SOURCE MANAGEMENT
IN A CHANGING CLIMATE

MAY 17-19, 2010

RADISSON HOTEL
PLYMOUTH, MASSACHUSETTS

WWW.NEIWPCC.ORG/NPSCONFERENCE

Agenda is subject to change.



Monday, May 17 - Day 1

10:00 Registration begins

1:00 - 2:00 Welcome and Opening Remarks
Plymouth Room

Ronald Poltak, Executive Director, NEIWPCC
Laurie Burt, Commissioner, Massachusetts DEP (invited)
H. Curtis Spaulding, Regional Administrator, EPA New England (invited)

2:00 - 2:30 Keynote Address: Planning for Climate Change and Smart Growth in Boston
(tent.)
Plymouth Room

James W. Hunt III, Chief of Environment and Energy Services, City of Boston

2:30 - 2:45 Break

2:45 - 4:30 General Session: Climate Change in New England- Impacts on Water Quality

Technical Challenges and Opportunities in Determining the Potential Effects of Climate Change on Water Quality in New England

Steven Winnett, Environmental Protection Agency Region 1

Climate Change Adaptation: Identifying Risk and Costs for Culvert Infrastructure

Michael Simpson, Antioch University New England

Adaptation Planning for Water Quality Management Under a Changing Climate

Paul Kirshen, Battelle

Moderated Discussion, Question and Answer

4:30 - 5:30 **Welcome to Massachusetts**

The Massachusetts Estuaries Project

Brian Dudley, Massachusetts Department of Environmental Protection

Regional Wastewater Management Planning for TMDL Compliance

Thomas Cambareri, Cape Cod Commission

*The Watch Factory: A Case Study in Low Impact Development and
Community Involvement*

Peter Reed, BSC Group

Kate Bowditch, Charles River Watershed Association

5:30 - 6:30 **Welcome Reception with Sponsors**

Mayflower Room

Tuesday, May 18 - Day 2

7:30 Registration and Continental Breakfast

8:00 - 9:45 Concurrent Session 1.1: Best Management Practices: The Importance of Planning for Restoration of Water Quality
Plymouth Room

Stormwater Management for Clean Water and Livable Communities

Jeffrey Moeller, Water Environment Research Foundation

A Recovery Potential Screening Method for Impaired Waters Priority Setting

Douglas Norton, Environmental Protection Agency Headquarters

The Upper Charles River Pilot: What will it take to meet the TMDL?

Brian Brodeur, Massachusetts Department of Environmental Protection

Concurrent Session 1.2: Social Marketing: From Outreach to Action
Kingston Room

Using Simple Outreach Techniques to Help Prevent Contamination from Dog Waste

Kelley Freda, Massachusetts Department of Conservation and Recreation

AmeriCorps Promotes Stewardship of Local Waterways

Kyra Hoffmann, New Jersey Department of Environmental Protection

Involving the Whole Community in Cleaning Up Stormwater

Nancy Bryant, SuAsCo Watershed Community Council

9:45-10:00 Break

10:00-11:45 Concurrent Session 2.1: Best Management Practices: The Problem of Impervious Cover
Plymouth Room

Responding to the Nation's First Impervious Cover-Based TMDL: Lessons from the Field

Anne Kitchell, Horsley Witten Group

Assessing and Restoring Massachusetts Stormwater Impaired Watersheds: Making Optimal Use of Impervious Cover and Bioassessment Data Sets

Ken Hickey, FB Environmental

Kim Groff, Massachusetts Department of Environmental Protection

The State of the Practice and Common Pitfalls for Porous Asphalt for Stormwater Management and Transportation System in Northern Climates

Robert Roseen, University of New Hampshire Stormwater Center

Concurrent Session 2.2: Volume Based Management and the Importance of Understanding Hydrology
Kingston Room

The Runoff Reduction Method

Joe Battiatà, Center for Watershed Protection, Inc.

Impacts of Nonpoint Source Marsh Loading on a Complex Estuary

John Cook, Advanced Data Mining International, LLC

Volume Based Design and Green Infrastructure

Andrew Reese, AMEC Earth and Environmental, Inc.

- 11:45-12:00 Break - Pick up box lunches
- 12:00-12:30 Field Trip Briefings - Plymouth Room
- 12:30 - 5:00 Field Trips - Buses depart from main entrance of hotel @ 12:30 sharp.

Field Trip Option 1 - Cranberry Bog Management

Leader: Jeff LaFleur, Cape Cod Cranberry Growers Association

Cranberry cultivation has played an important socio-economic role in Massachusetts for hundreds of years. Today, cranberries are the state's second most important agricultural commodity. However, nutrients used to fertilize cranberry crops often run off into waterbodies, resulting in problems including eutrophication and harmful algal blooms. This field trip will tour cranberry farms near Plymouth and will endeavor to explore the science behind cranberry growing, the efforts of commercial cranberry growers to reduce water pollution, and the fate of a cranberry bog once taken out of production.

Field Trip Option 2 - Coastal Nutrient Management

Leader: Brian Dudley, Massachusetts DEP, Southeast Regional Office

Coastal areas often suffer from nitrate contaminated groundwater and eutrophic bays and estuaries due in part to their sandy soils and high water tables, and in part to anthropogenic nitrogen inputs. This trip will visit the Massachusetts Alternative Septic System Test Center (MASSTC) on Cape Cod to learn about current research into on-site nutrient treatment mechanisms that minimize nitrogen pollution. Participants will also hear the local perspective on nutrient management and see some of the measures implemented to protect the Cape's streams and bays.

Field Trip Option 3 - Stormwater Themed Tour of Plymouth

Leader: Pamela Truesdale, Massachusetts DEP, Southeast Regional Office

Back by popular demand- take a combination walking/driving tour of our host town of Plymouth, Massachusetts. Participants will meet members of the community engaged in water quality improvement efforts and tour the various projects designed to reduce the impact of stormwater on Plymouth Harbor. There will be perfect opportunities to take photos of the Mayflower and Plymouth Rock as we walk along the waterfront. After touring best management practices (BMPs) installed in the downtown area, we will hop on the bus and visit one of the premier low impact development (LID) housing communities in New England.

6:00 Optional Tuesday Evening Activity - Plimoth Plantation***

Sit back and relax as we transport you to a delicious and historically themed dining experience. The Plimoth Plantation, arguably the most prominent tourist attraction in Plymouth, is a not-for-profit museum that focuses on the native Wampanoag People and the Colonial English who settled in Plymouth during the 1600's. Join us for dinner similar to what these Native Americans and Colonists may have eaten, complete with historically themed entertainment. (Cash bar and vegetarian options available)

***Please note that our special event is scheduled outside of the Plimoth Plantation's normal hours of operation. Therefore, our group will **not** be able to tour the grounds as part of this event.

- The Plimoth Plantation is open for tours 9:30AM - 5:00PM seven days a week.
- See <http://www.plimoth.org/> to plan a visit.

9:00 End of Day 2

Wednesday, May 19 - Day 3

7:30 Registration and Continental Breakfast

8:00 -9:45 Concurrent Session 3.1: Emerging Issues: PPCPs, PAHs, and HABs- A Toxic Alphabet Soup
Plymouth Room

Poly-aromatic Hydrocarbons and Sealcoat; Are Parking Lots Releasing PAHs to the Environment?

Alison Watts, University of New Hampshire Stormwater Center

Pharmaceuticals and Personal Care Products in the Aquatic Environment (tent).

Nick Anastas, Poseidon's Trident, LLC

Cyanobacteria and Nutrients in Northeastern Lakes (tent.)

James Haney, University of New Hampshire

Concurrent Session 3.2: Low Impact Development- The Importance of Information in Building Better Ordinances
Kingston Room

LID Regulations: Moving Beyond Encouragement

Michelle West, Horsley Witten Group

Seattle Public Utilities LID Maintenance Package and Associated Costs

Drena Donofrio, Seattle Public Utilities

Coastal Plain Stormwater Solutions

Sadie Drescher, Center for Watershed Protection, Inc.

9:45-10:00 Break

10:00-11:30 General Session: Cooperative and Interstate Watershed Initiatives
Plymouth Room

The Tristate Targeted Watershed Initiative on the Connecticut River

Christopher Curtis, Pioneer Valley Planning Commission

Anne Capra, Pioneer Valley Planning Commission

The Lake Champlain Basin Program

Bill Howland, NEIWPC

Cooperative Efforts to Protect the Merrimack River

Tracie Sales, Merrimack River Watershed Council

11:30-12:00 Closing Session: TBD
Plymouth Room

12:00-12:15 Next Year's Conference Information and Farewell: Raffle Prize Winner
Receives a Free Registration to Next Year's Conference! (Must be present to
win)
Plymouth Room