

Managing Wet Weather with Green Infrastructure

A Workshop for Technical, Regulatory, Planning and Design Professionals

July 8th and 9th 2009

Legislative Office Building – Hearing Room 2C

300 Capitol Avenue, Hartford, CT

<http://www.cga.ct.gov/capitol tours/directions.htm>

ONLINE REGISTRATION THROUGH JULY 8TH

http://cfpub.epa.gov/npdes/courseinfo.cfm?program_id=298&outreach_id=410&schedule_id=1060

Day 1

Wednesday, July 8th

- 7:30 – 8:00 am** **Registration Sign-in** Legislative Office Building – Hearing Room 2C
300 Capitol Avenue, Hartford, CT
- 8:00 – 8:30 am** **Welcome and Introductions:**
City of Hartford – *Mayor Perez (invited)*
Metro Hartford Alliance – *Oz Griebel*
CT DEP – *Betsy Wingfield, Bureau Chief: Bureau of Water Protection and Land Reuse*
Workshop Objectives: *Bob Moore, MDC Chief Administrative Officer*
- 8:30 – 9:30 am** **Managing Wet Weather with Green Infrastructure** – *Jenny Molloy, US EPA*
Introduction to green infrastructure; description of EPA's program and support for green infrastructure, use of green infrastructure in wet weather management, benefits, federal regulatory frameworks, performance standards.
- 9:30 – 10:15 am** **Green Infrastructure in New England**
Johanna Hunter, EPA New England
Juli Beth Hinds, AICP, Senior Project Manager – Planning, VHB Vermont
A brief description of EPA New England's approach to green followed by a presentation of case study data on cold weather on low impact development projects and the water quality and economic benefits of installing green infrastructure.
- 10:15 – 10:30 am** **Break**
- 10:30 – 11:15 am** **Design Considerations** – *Dan Christian, P.E., D.WRE, Tetra Tech*
Important considerations for green infrastructure design and construction. Some perspective on underdrains, overflows, liners, soils – and how these and other standard stormwater engineering approaches are applied differently with green infrastructure approaches.
- 11:15 - 12:00 noon** **Retrofit Designs** – *Kevin Perry, ASLA, Nevne Ngan Associates*
- 12:00 – 1:15 pm** **Lunch** – *a list of local restaurants will be available at registration*
- 1:15 – 2:00 pm** **Analysis and Modeling** – *Dan Christian, P.E., D.WRE, Tetra Tech*
Analysis, modeling, and other approaches to estimating where, how, and how much green infrastructure approaches can contribute to wet weather programs.
- 2:00 – 2:45 pm** **Operation & Maintenance** – *Dan Christian, P.E., D.WRE, Tetra Tech*
Important elements of green O&M; approaches taken by communities developing green infrastructure controls, including policies, and guides.

Wednesday afternoon *Managing Wet Weather with Green Infrastructure*' program – continued

2:45 – 3:00 pm **Break**

3:00 – 3:30 pm **Municipal Programs, Local Incentives, and Funding Options**
Paul Stacey, Planning and Standards Division Director, Bureau of Water Protection and Land Reuse, CT Dept of Environmental Protection

3:30 – 4:15 pm **Using Green Infrastructure Controls: Putting it all together**
A moderated, interactive session to discuss the purpose of pilots, necessary components for the regulatory context, and to evaluate and identify other information needs so that you can do this in your community.
Audience Q&A w/ speakers featured in presentations: Moderator Curt Johnson CFE

4:15 – 4:30 pm Day 1 closing remarks – *MaryAnn Nusom Haverstock, CT DEP*

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**Day 2**                      **Thursday, July 9<sup>th</sup> AGENDA:**

7:30 – 8:00 am      **Breakfast Reception** Legislative Office Building – Hearing Room 2C  
300 Capitol Avenue, Hartford, CT

8:00 – 8:15 am      **Welcome** – CRCOG - *Lyle Wray, Exec. Director*  
Park River Watershed Revitalization Initiative - *Mary Rickel Pelletier*

8:15 – 9:00 am      **Local Codes & Ordinances** – *Jenny Molloy, US EPA*  
Evaluating codes & ordinances, and eliminating local policies that pose barriers to 'green' and facilitating 'green' in codes & ordinances. This session includes a demonstration of how to use the Water Quality Scorecard.  
*Municipal perspective on the Water Quality Scorecard + Q & A.*

9:00 – 9:30 am      **North Branch Park River Watershed Management Plan**  
– *Erik Mas, P.E. Fuss & O'Neill, Inc.*

9:30 – 10:00 am      **iQuilt** – *Doug Suisman, Suisman Urban Design*

10:00 – 10:15 am      **Break**

10:15 – 11:00 am      **Green Streets** – *Kevin Perry, ASLA, Nevue Ngan Associates*  
Case studies of green infrastructure features in transportation rights-of-ways.

11:00 – 11:45 am      **More on Green** – *Jamie Houle, Univ. New Hampshire Stormwater Center*  
Learn about the ways that you can achieve both water quality improvements and low impact solutions based on UNH's work and experience.

11:45 am - noon      Conference conclusion – *Carl Bard, The Metropolitan District (MDC)*

**Thursday afternoon separate pre-registration required via: [maryvrp@parkriver.org](mailto:maryvrp@parkriver.org)**

12:30 – 3:00 pm      **Field Walk: Identifying Green Infrastructure Opportunities in Hartford**  
– *Kevin Perry, ASLA, Nevue Ngan Associates*  
Reconvene for a site walk and review for green infrastructure opportunities. Review of Green Capitols, as well as opportunities for local green streets, etc.