

# Managing Wet Weather with Green Infrastructure

*A Workshop for Technical, Regulatory, Planning and Design Professionals*

**July 8<sup>th</sup> and 9<sup>th</sup> 2009**

**Legislative Office Building – Hearing Room 2C**

**300 Capitol Avenue, Hartford, CT**

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

## **PRE-REGISTER ONLINE :**

[http://cfpub.epa.gov/npdes/courseinfo.cfm?program\\_id=298&outreach\\_id=410&schedule\\_id=1060](http://cfpub.epa.gov/npdes/courseinfo.cfm?program_id=298&outreach_id=410&schedule_id=1060)

### **Day 1**

**Wednesday, July 8<sup>th</sup>**

**7:30 – 8:00 am**

**Registration** 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*

*Rob Roseen / Director, UNH Stormwater Center*

A brief description of EPA New England's approach to green followed by a presentation on the types of low impact development projects that fare best in cold climates and the benefits including the economics of installing "green".

**10:15 – 10:30 am**

**Break**

**10:15 – 11:15 am**

**Design Considerations** - *Dan Christian, 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, Nevue Ngan*

**12:00 – 1:15 pm**

**Lunch**

*a list of local restaurants will be available at registration*

*Wednesday afternoon program –*

- 1:15 – 2:15 pm**      **Analysis and Modeling – US EPA Technical Advisor**  
Analysis, modeling and other approaches to estimating where, how and how much green infrastructure approaches can contribute to wet weather programs.
- 2:15 – 3:00 pm**      **Operation & Maintenance - Dan Christian, Tetra Tech**  
Important elements of green O&M; approaches taken by communities developing green infrastructure controls, including policies, guides.
- 3:00 – 3:30 pm**      **Municipal Programs, Local Incentives, and Funding Options**  
*Paul Stacey, Division Director, CT Department of Environmental Protection*
- 3:30 – 4:30 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*

~~~~~

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

- 7:30 – 8:00 am**      **Registration** Legislative Office Building – Hearing Room 2C  
300 Capitol Avenue, Hartford, CT
- 8:00 – 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, + Q & A.
- 9:00 – 10:30 am**      **Green Infrastructure ahead for Local Municipal Planning – tbd**  
**North Branch Watershed Management Plan – Erik Mas, Fuss & O’Neill**  
**iQuilt Greenway – Doug Suisman, Suisman Urban Design**
- 10:30 – 10:45 am**      **Break**
- 10:45 – 11:30**      **Green Streets - Kevin Perry, Nevue Ngan**  
Considerations specifically for green infrastructure elements in transportation rights-of-ways.
- 11:30 am**      Break for Lunch –

**Thursday afternoon**  
**separate pre-registration required via: [maryvrp@parkriver.org](mailto:maryvrp@parkriver.org)**  
***engineering and design professionals field walk design study***

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