



# Green Infrastructure Webcast Series:

## Site Planning and Design Considerations & WERF Cost Tool

**Webcast: Tuesday, May 12, 2009**

Two-hour audio Web broadcast

**Eastern: 1:00 pm – 3:00 pm**

**Central: 12:00 pm – 2:00 pm**

**Mountain: 11:00 am – 1:00 pm**

**Pacific: 10:00 am – 12:00 pm**

### Session Description:

This webcast will feature two new topics in the green infrastructure webcast series—site planning and design considerations, and a presentation on the Water Environment Research Federation's (WERF) cost tool. The design and construction presentation, led by Dan Christian from Tetra Tech, Inc., will discuss important considerations for green infrastructure design and construction including engineering to mimic natural functions. The presentation will also discuss design issues such as underdrains, overflows, liners, soils and how these and other standard stormwater engineering approaches are applied differently with green infrastructure approaches.

The WERF cost tool discussion will be led by Lisa Hair, EPA, and Dr. Christine Pomeroy and Dasch Houdeshel, University of Utah. WERF has developed a suite of cost tools to address vegetative roofs, rainwater catchment systems, and bioretention facilities. The speakers will discuss how these tools provide a detailed framework to facilitate cost estimation for capital costs, operation and maintenance costs, and life-cycle net present value. The tools can serve as a format for cost reporting for past, current and future projects, and also provide users with planning-level cost estimates.

**Speakers:** Dan Christian, P.E., D.WRE, Tetra Tech  
Lisa Hair, EPA  
Christine Pomeroy, PhD, University of Utah  
Dasch Houdeshel, University of Utah

### Registration:

You must register in advance to attend this webcast. Visit the NPDES Web site at <http://www.epa.gov/npdes/training> to register. **Note:** Your computer must have the capability of playing sound in order to attend this webcast.

### Upcoming Topics:

- Funding & Incentives and Brownfield Redevelopment, Tuesday, June 23, 2009
- Retrofits & Green Streets and Operation & Maintenance, Tuesday, July 28, 2009

*The materials in this Webcast have been reviewed by EPA staff for technical accuracy. However, the views of the speakers and the speaker's organization are their own and do not necessarily reflect those of the EPA. Mention of any commercial enterprise, product, or publication does not mean that EPA endorses them.*

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