

**Beyond Pipe and Pond:
A Research Based Approach to Stormwater Treatment System Selection**

Date: 10/26/10

Presenter: University of New Hampshire Stormwater Center

Hosts: Hudson River National Estuarine Research Reserve; Hudson River Estuary Program

Location: Norrie Point Environmental Center - Staatsburg NY 12580 845-889-4745 x 112

Audience: Professional engineers, municipal staff, NYSDEC Stormwater program staff

6 PDHs for Professional Engineers – Must attend full day, \$25 charge

Goal: Learn how to use UNHSC performance and design data as a means to improve your ability to choose the stormwater system or combination of systems that can achieve water quality targets in compliance with current and impending regulations, while effectively matching peak flows and reducing runoff volume.

Agenda

- 8:45-9:00 **Registration**
- 9:00 – 9:40 **Course Overview & Introductions**
Review the agenda for the day and participant introductions.
- 9:40 – 10:00 **University of New Hampshire Stormwater Center (UNHSC)**
Understand why UNHSC was created, how it evaluates stormwater treatment system performance, and how its range of data is relevant to your work.
- 10:00-10:30 **Effectively Targeting Pollutants**
Learn how unit operations and processes (UOPs) work in stormwater treatment systems to target pollutants of concern.
- 10:30-10:40 **Break**
- 10:40-12:45 **Stormwater Treatment System Performance Data**
Learn about UNHSC performance data & how it can be combined with an understanding of UOPs to generate effective stormwater management strategies that can meet stormwater regulatory targets.
- 12:45-1:30 **Lunch**
- 1:30-2:15 **Local Case Study: Effective Stormwater Design at Work in Your Community**
Hear from a local design professional about effective stormwater management designs that have been implemented in New York State. Topics include design, performance, barriers, cost, maintenance, and lessons learned, and an opportunity for Q&A.
- 2:15-4:30 **Stormwater Design Assessment**
(15-minute break included)
Apply data and concepts learned earlier in the day to critique real site designs using references and professional materials. During this interactive session, participants will share findings and discuss the strengths and limitations of such designs in their local context.
- 4:30-4:45 **Review, Wrap-up and Workshop Evaluation**