

LID Stormwater Educational Workshop

Program made possible with support from the Ohio Environmental Education Fund



Columbus (CEN)

ODOT Central Office Auditorium
1980 W. Broad Street, Columbus,
OH 43223
November 30, 2011

Cleveland (NE)

Cuyahoga Community College – Eastern Campus
Performing Arts Center
4250 Richmond Road, Highland Hills, OH 44122
December 1, 2011



AGENDA

- 7:30 am Registration begins
- 8:15 am Welcome & Introductions
- 8:30 am Bioretention Performance and Recommendations
 - Hydrologic Design & Performance
 - Internal Water Storage Layer
 - Water Quality Design & Performance
 - Sizing Bioretention Practices
 - Construction and Maintenance Issues
- 11:30 am Lunch – on your own – see flyer for details
- 12:30 pm Course Instruction (continued)
 - Performance and Recommendations for Stormwater Wetlands, Pervious Pavement, and Vegetative Filter Strips
 - Managing Thermal Impacts from Stormwater
 - Green Infrastructure and Brownfields (Ohio)
 - BMP Cost Analysis (Ohio)
 - Evolution of North Carolina's Statewide Stormwater Management Program
- 4:00 pm Evaluations and Adjourn

Breaks will be provided as needed. This workshop provides 6.5 contact hours of instruction (with lunch time & breaks subtracted).

Description – Researchers at North Carolina State University design, build and monitor LID practices covering the range of possible applications. Lessons learned from their research have led to better policies and requirements, complete with excellent training and guidance, at the local and state level in North Carolina. MS4 operators in Ohio can use these lessons learned to improve their post-construction programs.

Who Should Attend? – Engineers, landscape architects, MS4 program managers and other stormwater professionals interested in the most up-to-date information on design and performance of low impact development (LID) stormwater practices.

Presenters –

- Dr. Bill Hunt of North Carolina State University, one of the leading stormwater management experts in the U.S., is best known for his work with bioretention practices.
- Brad Wardynski, of the Stormwater Engineering Group at North Carolina State University.
- Nancy Zikmanis, CHMM, Project Coordinator, Ohio EPA – NEDO
- Susan Netzly-Watkins, Voluntary Action Program, Ohio EPA – NEDO
- Amy Brennan, Director, Chagrin River Watershed Partners, Inc.

Registration Information – This course offering through LTAP is intended for local organization employees (county, city, village and township), and other interested stormwater professionals as described above. Registrations are accepted on a first come, first serve basis. This workshop is being offered at **no charge**. Lunch is “on your own” and additional lunch information specific to your training location

CESSWI, CPESC and CPSWQ recognize this training to be worth 6.5 PDUs

Roads Scholar Level 2 Row 8

is enclosed in a separate flyer. Any registrant requiring a reasonable accommodation during training (i.e., mobility or access) should contact Ohio LTAP prior to the course date so the appropriate arrangements can be made.

REGISTRATION FORM (please print or type)

Name _____
 Title _____
 Organization _____
 Address _____
 City _____
 State _____ Zip _____
 County _____
 Township _____
 Phone (____) _____ - _____
 E-mail Address _____

Fee: \$ 0.00 – Free of charge.

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Select Course Date Below (Location Information Sheet with map & directions will be mailed upon receipt of registration.)

- Columbus (CEN) – November 30, 2011
- Cleveland (NE) – December 1, 2011

Please mail or fax your registration to:

The Ohio LTAP Center
1980 W. Broad St.
Columbus, OH 43223

(877) 800-0031 Toll Free
(614) 466-2120 (Fax)

Pending EPA Water/Wastewater credits

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Lunch Options:

COLUMBUS SESSION ON NOVEMBER 30TH, 2011: There is a cafeteria on-site at the Ohio Department of Transportation (ODOT) main office. The cafeteria provides breakfast, lunch and break service. The average amount spent on lunch in the cafeteria is \$5 to \$7.

CLEVELAND SESSION ON DECEMBER 1ST, 2011: There is a cafeteria available, but it is a ½ a block from the training location. Attendees are welcome to bring a lunch or order a lunch through Summit SWCD. There are tables and chairs available just outside of the hall for those bringing a brown bag or ordering a lunch. The order form will be included with your enrollment confirmation letter. Lunches must be ordered by November 17, 2011. Anyone registering after this date will need to bring a lunch or may purchase one from the cafeteria.