

2005 Technical Stormwater Training

Hold training opportunities for technical audiences &/or facilitate the attendance of key professionals at regional training opportunities

Activity Title: Low Impact Development Workshop

Activity Description: In November 2005, Miami Conservancy District hosted a two-day workshop titled, Low Impact Development; Protecting Water...Building Community. The event was a capstone of a two-and-a-half year effort to educate decision-makers and citizens on better stormwater management practices. The Ohio Environmental Education Fund of the Ohio Environmental Protection Agency funded the workshop.

Start Date: 11/17/2005 **End Date:** 11/18/2005

Result Statement: The nation's foremost expert on Low Impact Development, Larry Coffman, formerly of Prince George's County, Maryland, facilitated the workshop. Sixty-eight people registered from 47 different organizations.

MIAMI CONSERVANCY DISTRICT
Dan Roush/Water Protection, Planning & Programs

WORKSHOP
Low Impact Development
Protecting Water...Building Community

Thursday and Friday, November 17 and 18, 2005
8:00 A.M. TO 5:00 P.M.

Holiday Inn-Dayton Mall
31 PRESTIGE PLAZA, MIAMISBURG, OHIO

Cost: \$45 for both days, or \$30 for a single day

What is Low Impact Development (LID)?
LID is an innovative approach to stormwater management with a new set of principles, new practices and a new process of site design that addresses both economical and ecological goals of development. LID controls stormwater at the source, maintaining or creating a hydrologically functional landscape that mimics a watershed's natural water balance.

Who Should Attend?
Since this new technology involves multiple disciplines, LID will be of interest to planning and zoning officials and staff, stormwater managers, elected officials, conservation professionals, developers, civil engineers, landscape architects, environmental regulators and interested citizens.

Larry Coffman, Workshop Facilitator/Trainer
Larry Coffman is a leading expert on LID technology for water resource protection and restoration and has 30 years experience in stormwater management. He was the Associate Director of Prince George's County, Maryland, Department of Environmental Resources, and was responsible for the County's NPDES stormwater, flood control, watershed/environmental restoration, stormwater capital improvements, and water and sewer planning programs. He has conducted numerous LID workshops for clients that include the Department of Defense, American Society of Civil Engineers (ASCE), local and state governments, universities and watershed protection groups. He is a scientist with degrees in biology and chemistry; and a member of ASCE, Environmental and Water Resources Institute (EWRI), and Urban Water Resources Research Council. Coffman serves on the Water Environment Research Federation's Stormwater Technical Advisory Committee and is a founding member of the nonprofit Low Impact Development Center, Inc.

Professional Development Units (PDUs) are pending for the Certified Professional in Sediment and Erosion Control.

Funding for this workshop was provided by the Ohio Environmental Education Fund of the Ohio Environmental Protection Agency.

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AGENDA

THURSDAY, NOVEMBER 17

- 8:00 ... Registration and Continental Breakfast
- 8:30 ... Welcome and Introductions
- 8:45 ... A Comprehensive Overview
 - + What is LID?
 - + Limitations of Conventional Approaches
 - + LID Basic Principles and Practices
- 9:45 ... Break
- 10:00 ... Local Project Initiatives
- 10:30 ... LID and Ecological Goals, Principles and Processes
- 11:30 ... Site Planning Techniques and Costs
- 12:30 ... Lunch (provided)
- 1:30 ... Panel Discussion: LID Applications in Southeast Ohio
 - + Eric Sauer, Enviro-Works, Inc. Landscape Architects
 - + Larry Nimmerman, Butler County Planning Commission and Three Valley Conservation Trust
 - + Michael Joseph, Ohio Environmental Protection Agency
 - + David Bohard, Home Builders Association of Dayton and the Miami Valley
- 2:45 ... Break
- 3:00 ... LID Hydrology and Hydraulics
- 3:30 ... Redevelopment and Urban Retrofit
- 4:00 ... Bioretention/Rain Gardens & Other LID Practices
 - + Design, Construction and Maintenance
 - + Applications
 - + Public Acceptance
- 5:00 ... Adjourn

FRIDAY, NOVEMBER 18

- 8:00 ... Registration and Continental Breakfast
- 8:30 ... Welcome and Introductions
- 9:00 ... LID Lessons Learned
 - + Institutional and Regulatory Roadblocks
 - + NPDES Regulations
- 9:30 ... Design Charrette
- 12:00 ... Lunch (provided)
- 1:00 ... Work Group Report
- 2:30 ... Case Studies
 - + Developer's Perspective: Cost Benefits
 - + Urban Retrofit and Re-development
 - + CSO Control
 - + Protection of Aquatic Resources
- 3:30 ... Break
- 3:45 ... Discussion
 - + Issues
 - + Next Steps
- 5:00 ... Adjourn

Registration

Please note that registrations will be accepted on a first-come, first-served basis. Space is limited to the first 75 received. We will send you a confirmation letter and map prior to the workshop, if received before November 15.

Questions: Contact Angela Mazurak at 937-223-1278 x-3263 or e-mail her at amazurak@miamiconservancy.org.

Mail-in Registration Form

A check or a copy of your approval purchase order must accompany your registration. Please make checks payable to "The Miami Conservancy District."

Mail to:
 LID Workshop
 The Miami Conservancy District
 38 E. Monument Avenue
 Dayton, OH 45402

Name _____

Name for Name Tag _____

Title _____

Organization _____

Address _____

City _____

State _____ Zip _____

Telephone _____

E-mail _____

Your name, as you want it on your attendance certificate

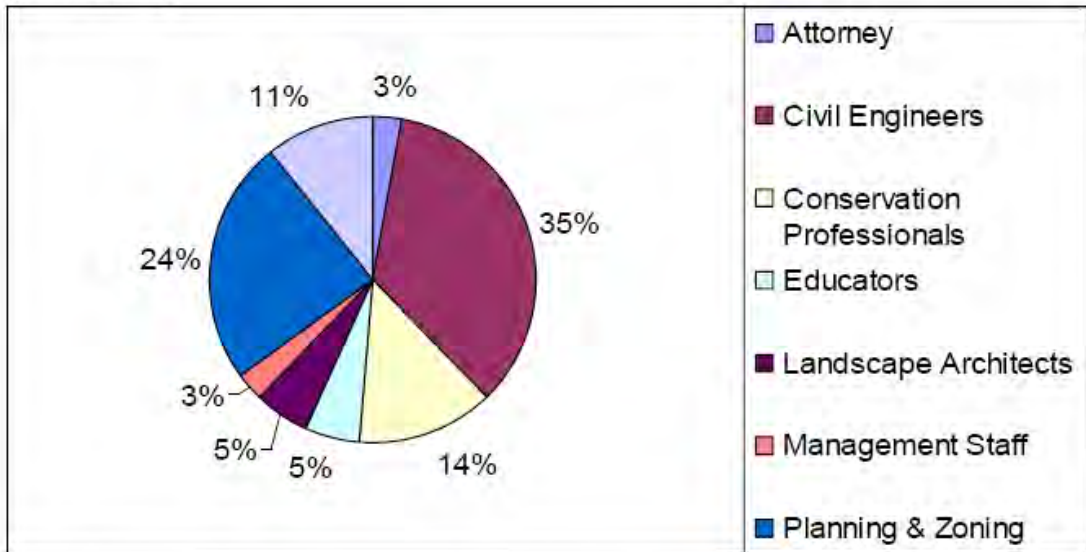
I am registering to attend Thursday, November 17 AND Friday, November 18 (\$45)

I am registering to attend only Thursday, November 17 (\$30)

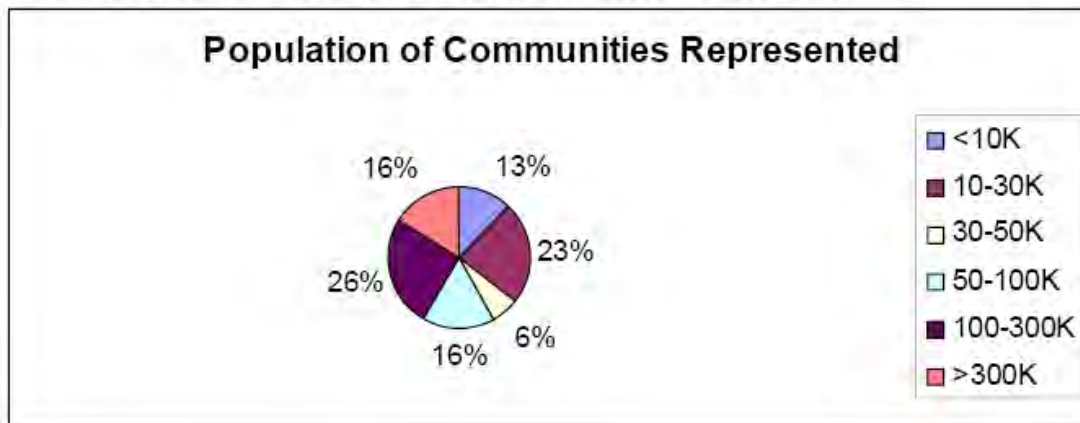
I am registering to attend only Friday, November 18 (\$30)

Miami Conservancy District's Stormwater Activities

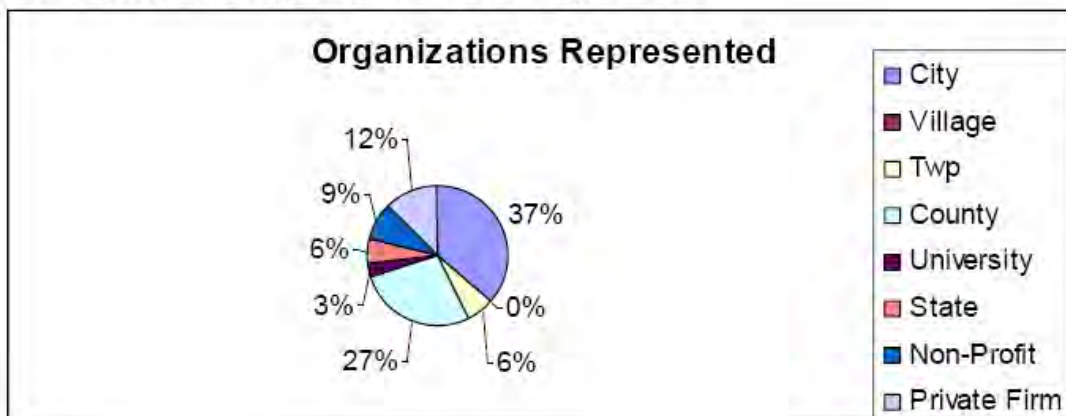
Those who attended the workshop represented a spectrum of community roles targeted by this training.



The individuals who came represented jurisdictions of various sizes.



And various types of organizations were also represented.



Miami Conservancy District's Stormwater Activities

Activity Title: Southwest Ohio Sediment and Erosion Control Field Day

Activity Description: The Southwest Ohio Sediment and Erosion Control Field Day was held on June 7, 2005 at the Warren County Career Center. This event was sponsored by Butler Soil and Water Conservation District, Hamilton Soil and Water Conservation District, Warren Soil and Water Conservation District, Miami Conservancy District and Warren County Career Center.

Start Date: 6/7/2005 **End Date:** 6/7/2005

Result Statement: Nearly 100 contractors and construction site inspectors attended. The format of the day included a plenary session with several guest speakers, concurrent sessions, and live outdoor demonstrations. The speakers were from Ohio EPA, The Natural Resources Conservation Service, US Army Corps of Engineers and Robin Green of Hidden Creek at the Darby.

Vendors/Donors

ADVANCED DRAINAGE SYSTEMS,
INC
EARTHCO, INC.
ENVIROSCAPE ECM, LTD.
J.M.D. COMPANY
FIRELANDS SUPPLY COMPANY
H.C. NUTTING
HENDERSON TURF FARMS, INC.
KELLER FARMS LANDSCAPE AND
NURSERY
LANDCORP
MEREDITH BROTHERS, INC.

Outside BMP Tour

Tour will include:

- Sediment Controls: modified sediment basin with riser pipe, sediment traps, silt fence vs. ecoberm vs. mulchberms, Phase II approved inlet devices, dandy bags, construction entrance
- Erosion Controls: hydroseeding, types of seeds and straw mulch, mulch crimping, turf reinforcement matting
- Runoff Controls: ditch checks, dewatering devices

Warren Soil and Water Conservation District
777 Columbus Ave., Suite 7
Lebanon, Ohio 45008
Phone: 513-659-1801



Tuesday, June 7, 2005

7:30 a.m. to 1:30 p.m.

Warren County Career Center
3525 N. St. Rt. 48, Lebanon, Ohio
See www.wccareercenter.com for map

CPESC APPROVED!!

Who's invited?

*Landscapers, Contractors,
Excavators, Bidders, Job Foreman,
Home Builders, Inspectors, Public
Officials, Interested Individuals!*

What to Expect?

- Permits vs. streams, 404 and 401
- Conservation developments and how they are cost effective
- In field demonstrations
- Alternatives to silt fencing
- Individual lot erosion control
- HB 411: Tougher Enforcement
- Phase II BMPs
- Hands on demonstrations
- New and innovative erosion and sediment control products
- Free lunch
- Free t-shirts
- Excellent door prizes
- 4 PDUs for CPESC

Miami Conservancy District's Stormwater Activities

Event Sponsored by:

Soil & Water Conservation Districts
in Southwest Ohio
Warren County Career Center
Water Management Assoc. of Ohio
Miami Conservancy District

Speakers

George Cummings,

Natural Resource Conservation Service,
District Conservationist, Clermont County

Robin Green,

Conservation Developer, Hidden Creek
At The Darby, National Award Winner

Keith MaHaffey,

General Superintendent, Classic
Properties

Denise Marmer,

Biologist, US Army Corps of Engineers,
Ohio Field Office

Dick Reese,

Heavy Equipment Technology
Coordinator, Warren County Career
Center

Honorable William Seitz,

Ohio House of Representatives

Michael W. Smith,

Water Quality Coordinator, Ohio
Environmental Protection Agency

Holly Utrata-Halcomb,

District Administrator, Hamilton County
Soil and Water Conservation District

Agenda

7:30 am - 8:30 am:

Registration Vendor Exhibits

8:30 am - 8:50 am:

Welcome **Dick Reese**
"House Bill 411, New Construction
Enforcement"

Holly Utrata-Halcomb

Invited speaker,

Representative William Seitz,
Sponsor of House Bill 411

9:00 am - 12:20 pm:

(Rotating Sessions)

Session 1:

"What's Wrong With This Picture?"

George Cummings

"Encouraging Builder Participation In
Erosion Control"

Keith MaHaffey

Session 2:

"404 Is With The Corps, 401 Is Not
Much Fun"

Denise Marmer

Michael Smith

Session 3:

Outdoor Demonstrations

12:20 pm:

Lunch is served! Vendor Exhibits

12:45 pm:

"How A Conservation Development
Can Be Profitable"

Robin Green

Registration

(copy this sheet or cut) and mail to:

Attn: **SEC Field Day**

Warren Soil and Water Conservation District
777 Columbus Ave., Suite 7
Lebanon, Ohio 45036
513-695-1861

Name: _____

Co. Name or Title: _____

Address: _____

Phone Number: () _____

Fax Number: () _____

E-mail: _____

**Cost is \$30.00, includes
Lunch, T-shirt, and Door
Prizes**

**Attach check and make payable to:
Warren County Career Center,
Adult Education**

Registration Deadline: May 27, 2005

Space is limited. Reservations will be held on a first received basis. If you have any questions, please call Marsha Rolph at 513-695-1861 or email at mrolph2000@yahoo.com