

Registration

Storm Water Workshop
Wednesday, April 10, 2013

Name _____

Title _____

Company/Agency _____

Address _____

Phone _____

Email _____

Fee: \$75.00...includes refreshments, lunch & binder. Add \$10.00 late fee after April 3

NO PURCHASE ORDERS!

PDH Certificate requested (see inside)

Check enclosed payable to: "Waukesha County"

Charge to the following account:

Visa Mastercard

Expiration Date _____

Credit Card # _____

Name on Card _____

Signature _____

Fax to: 262-896-8298 or

**Mail to: Waukesha County Land Resources Division
515 W. Moreland Blvd., Rm # AC260
Waukesha WI 53188**

Any questions call Marcia Bufton, Waukesha County Parks & Land Use, @262-896-8302. Please advise if you need special accommodations. One week cancellation policy (\$10 admin. fee).

**Seating is limited.
Register Early!**

Waukesha County Dept of Parks & Land Use
Land Resources Division
515 W. Moreland Blvd - Rm 260
Waukesha WI 53188

2013 Waukesha County Workshop

Lessons Learned in 20 Years of Erosion Control & Storm Water Management Programs



- ◆ *Looking back & looking ahead*
- ◆ *The evolution of storm water technology, standards & programs*
- ◆ *What has and has not worked*

**Wednesday, April 10
7:30 am - 4:00 pm**

**Location: Ruekert & Mielke Bldg.
W233N2080 Ridgeview Pkwy
(Hwy F just north of I-94), Pewaukee**

Workshop Description

Construction site erosion control and storm water management programs have evolved a great deal since the early 1990's. Many lessons were learned along the way which led to the BMP technical standards, planning procedures and regulations of today. Clean water laws have led to widespread ordinances for new development as well as BMP retrofits and new attention to BMP effectiveness and maintenance issues.

This 12th annual Waukesha County storm water workshop focuses on lessons learned in the 20-year evolution of storm water programs. We will review where we are today, how we got here, and what's on the horizon for construction site erosion control, water quality planning, storm water volume control, basement flooding, plan development and implementation, permit enforcement and BMP maintenance. All the major steps in the storm water permitting process will be covered, from soil investigations to BMP design to construction verification. State and local experts in both the public and private sectors will share their experiences.

The great facility at Ruckert & Mielke allows for good audience interaction and plenty of time is reserved to answer audience questions in each session.

Who Should Attend?

Community planners, engineers, administrators, public works staff, policy makers, consultants and contractors who work with storm water and erosion control issues.

PDH Certificates

Waukesha County will issue a certificate for eight (8) Professional Development Hours (PDH) for anyone who requests it on their registration and completes the full workshop. But you must stay for the full workshop.

Presenters

The presenter list is under development. As more information is available, it will be posted as an updated version of this flyer on the county web site at: www.waukeshacounty.gov/stormwater

Preliminary Agenda

7:30 Registration & Refreshments

8:00 Lessons Learned in Construction Site Erosion & Sediment Control

- Evolution of erosion/sediment control plans
- Contractor's role in the planning process
- Advances in erosion control products
- Development of BMP technical standards
- How to avoid enforcement action

9:00 The Evolution of Storm Water Mgt.

- From peak flow control, to water quality to runoff volume to low impact development
- Designing for downstream water resources and the pollutant/issue of concern
- Impacts of TMDL plans on future efforts

10:00 Break & Refreshments

10:15 Evolution of Storm Water BMP Design

- BMPs that improve water quality - what does the data show?
- Infiltration BMPs vs. liners & drain tile
- Importance of soils & engineered media
- Challenges of establishing native plants
- Regional vs. widely distributed BMPs

11:00 Lessons Learned in Basement Flooding

- Groundwater vs. surface water flooding
- How to predict both types of flood risks and avoid it
- Case studies: flood remediation projects in Waukesha County - what did we learn?

12:00 Lunch (in house)

12:45 Lessons Learned in Plan Development and Implementation

- Meeting early to set plan goals & timelines
- Using checklists, guidance docs. & policies
- Collecting soils data early & using it to plan
- Land divisions vs. plan approvals vs. permits
- Verifying roles & responsibilities
- Coordinating regulatory reviews

2:00 Break & Refreshments

2:15 Lessons Learned in Permit Enforcement

- Stepped enforcement - how it works
- Case studies - what went right & wrong
- Who is the responsible party?
- Foreclosure & the financial assurance process

3:15 Lessons Learned in BMP Maintenance

- Case study: Madison BMP mainten. program
- BMP maintenance agreements- how to make them useful and enforceable
- What about old BMPs? (BMP Ordinance)

4:00 Adjourn

Workshop Co-sponsors:

- Waukesha County Dept. of Parks & Land Use - Land Resources Division
- Wisconsin Dept. of Natural Resources
- MS4 Community partners in Waukesha County

