

Storm Water  
MS4 Permit Workshop  
Wednesday, March 14, 2012

Name \_\_\_\_\_

Title \_\_\_\_\_

Company/Agency \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

**Fee: \$75.00...includes refreshments, lunch & workshop binder**

Add \$10.00 late fee after March 8

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 Dept of Parks & Land Use

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

*Waukesha County - 2012*

**Storm Water  
MS4 Permit Workshop**



*Program updates, TMDL plans,  
BMPs for roads & parking lots,  
salt impacts & mgt., pollution  
prevention planning & more*

**Wednesday, March 14  
7:30 am - 4:00 pm**

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

## Workshop Description

The majority of communities in Waukesha County and SE Wisconsin have been issued a Municipal Separate Storm Sewer System (MS4) pollutant discharge elimination system permit by the DNR. MS4 permits may impact several municipal departments and carry significant compliance costs.

This is the 11th annual workshop sponsored by Waukesha County and is the second in a series on local implementation of MS4 permits. This year's focus is on road runoff. State and federal regulators will provide an overview of the MS4 permit program, TMDL planning and what lies ahead in compliance requirements. DNR and UW researchers will review their findings regarding the impacts of road salts on the environment and storm water best management practices (BMPs). Local community experts will present examples of their efforts in pollution prevention and BMPs to treat road runoff. An expert in asphalt paving will review how pervious asphalt can be used to reduce runoff from parking lots. At the end of the workshop, a panel discussion will occur about the biggest challenges to control and treat road runoff. All speakers will discuss mistakes made and lessons learned in the process. Great facility 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, board members, public works staff and consultants that work on roads or oversee MS4 permit compliance work.

## Presenters (in agenda order)

- Bryan Hartsook, DNR Storm Water Engineer
- Bob Newport, EPA Region 5 Water Division
- Kevin Kirsch, PE, DNR Storm Water Engineer
- Roger Bannerman, DNR Researcher
- Phillip Barak, PhD, PSS, UW-Soils Professor
- Pete Chladil, Waukesha Co. Public Works
- Len Roecker, PE, RLS, RA Smith/Greendale
- Greg Fries, PE, City of Madison
- Scot Schwandt, PE, WI Asphalt Pavement Assoc.
- Pete Wood, PE, DNR Storm Water Engineer

# AGENDA

### 7:30 Registration & Refreshments

#### 8:00 MS4 Permit Updates - DNR & EPA

- History of regulations/rule updates
- What lies ahead in regulations and how will it affect local communities
- Challenges and opportunities

#### 9:00 TMDL Plans - DNR

- Overview of TMDL planning process
- Status of plans for WI watersheds
- Plan implementation & how it may impact local storm water programs
- What lies ahead

### 10:00 Break & Refreshments

#### 10:15 Salt Use on Roads & Parking Lots

- Environmental impacts of chlorides (DNR)
- Impacts on storm water BMPs (UW)
- How to plan & design BMPs for it

#### 11:15 Salt Use reduction - Waukesha Co.

- Salt brine for road ice control - how to do it, pros/cons, costs and lessons learned
- Other alternatives for salt

### 11:45 Lunch

#### 12:30 Road Bioswale Project - Greendale

- Example of a local application
- Planning, design & construction
- Lessons learned

#### 1:15 Terrace Rain Garden Program - Madison

- Program rules & participation
- Planning, design & construction process
- Maintenance plans & lessons learned

### 2:00 Break

#### 2:15 Pervious Asphalt as a BMP

- Industry leader explains the planning, design and installation process
- Maintenance issues
- Lessons learned

#### 3:00 Pollution Prevention Plans

- Overview of the PP planning process
- Local examples of plan development and implementation

#### 3:40 Panel Q & A - Road Runoff Challenges

- Previous speakers on road runoff issues will be asked to identify the biggest challenges to control & treat road runoff and answer audience questions.

### 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