

## Upcoming Classes for Fall & Winter 2010

### Winter Salt Management and Summer Lawn Maintenance Training



#### **Winter Maintenance for Parking Lots**

**Thursday, October 28, 2010 - 8:00 am to 1:00 pm**

**Dakota County Extension and Conservation Center - Farmington, MN**

**Cost: \$25**

This workshop will explore topics such as application rates, equipment calibration, material storage, environmental effects, new maintenance methods, de-icing and anti-icing.

---

#### **Winter Maintenance for Roads**

**Wednesday, November 3, 2010 - 7:30 am to 12:30 pm**

**Plymouth Ice Center - Plymouth, MN**

**Cost: \$25**

This workshop will explore topics such as application rates, equipment calibration, material storage, environmental effects, new maintenance methods, de-icing and anti-icing.

---

#### **Turfgrass Maintenance with Reduced Environmental Impacts**

**Tuesday, December 7, 2010 - 8:00 am to 2:30 pm**

**City of Blaine Public Works Facility - Blaine, MN**

**Cost: \$25**

This training offers insight and best practices for managing turfgrass which will help you save money, time, and the environment. Workshop topics include: equipment calibration, selection and application of fertilizers, mowing techniques, pesticide application tips, best practices for turfgrass management, legal issues and additional resources as well as how turfgrass management affects local lakes and rivers.

**See other side for additional classes ---->**

**For more information about these workshops and to register, go to:**

**[www.extension.umn.edu/stormwater](http://www.extension.umn.edu/stormwater)**

**and click on Stormwater U Workshops.**

**Contact Info: Shane Missaghi, (952) 221-1333 - [miss0035@umn.edu](mailto:miss0035@umn.edu)**

## Stormwater BMP Training Upcoming Classes

### **Stormwater Maintenance Strategies**

**November 3, 2010 - 8:00 am to 3:30 pm**

**City of Blaine Public Works Facility - Blaine, MN**

This workshop is intended for stormwater managers, engineers, and staff who need standardized methods to assess and maintain existing and newly constructed stormwater treatment practices. Workshop is offered by the Minnesota Local Technical Assistance Program. Register at:

[www.mnltap.umn.edu/register/stormwatermaintenance](http://www.mnltap.umn.edu/register/stormwatermaintenance), [cceconf2@umn.edu](mailto:cceconf2@umn.edu), or 612-624-3745.

---

### **Water Quality Ponds: Inventory, Inspection, and Maintenance**

**Wednesday, December 8, 2010 - 7:30 am to 3:30 pm**

**City of Hermantown, MN**

This workshop will focus on the important issues that face the Municipal Separate Storm Sewer System (MS4) operators in meeting their permit requirements. Learn first hand about pond and outfall inventory, inspection, and maintenance of stormwater ponds management.

---

### **P8 Modeling for Reviewers and Modelers**

**Wednesday, January 12 & Thursday, January 13, 2011 - 7:30 am to 3:30 pm**

**U of M - Twin Cities Campus**

This workshop is a 2-day course that will introduce you to the fundamentals of water quality modeling with a focus on P8 Urban Catchment Model. P8 is a water quality model for simulating pollutant generation and treatment in urban areas. This course will provide presentations and hands-on exercises that will introduce you to the Windows version of the P8 model. The course will cover model assumptions, limitations, and application. You will learn how to review the results of water quality models such as P8.

---

### **Underground Stormwater Treatment Devices**

**Friday, January 14, 2011 - 7:30 am to 3:00 pm**

**St. Anthony Falls Laboratory - Minneapolis, MN**

This workshop will focus on learning about under ground stormwater treatment devices (hydrodynamic separators/HDS). Discuss case studies and learn about the national issues relating to HDS. Gain practical knowledge on sizing, modeling, construction, installation, and inspection of HDS. Plus vendors' perspectives and examples of practical applications of HDS.

---

### **Redefining Drainage - Retaining the Rain and Meeting Regulations**

**March 2011 - 7:30 am to Noon**

**Rochester, MN**

This workshop will focus on redefining site drainage. Participants will learn how to retain rain to meet local and state requirements and permits. Presentations will cover regulatory overview, assessment of existing conditions (infiltration rates), BMP selection to meet 1" detention and 1/2" retention of a 24 hour storm, construction and post construction inspections, checklists, and enforcement. An in-depth discussion on related policies and processes to standardize requirements will follow.

---

### **Adjusting the Governing Process to Achieve Volume Control Requirements**

**March 2011 - 1:00 to 5:00 pm**

**Rochester, MN**

This workshop will focus on establishing policies and processes to help communities meet the state's detention and retention requirements. Participants will learn how current and expected volume control requirements can affect development and what tools can be used to achieve them. Processes to promote and insure compliance will be also be discussed. A series of case studies will be used to provide real world examples of processes that have proven to be successful throughout Minnesota.

**For more information about these workshops and to register, go to:**

**[www.extension.umn.edu/stormwater](http://www.extension.umn.edu/stormwater)**

**and click on Stormwater U Workshops.**

**Contact Info: Shane Missaghi, (952) 221-1333 - [miss0035@umn.edu](mailto:miss0035@umn.edu)**