

DNREC Sediment & Stormwater Listserve Update: January 2009

This months topics:

1. Next CCR Course: March 4, 11, 18, and 25, 2009
2. Next Blue Card Course (Contractor's Certification): February 18, 2009
3. 2009 Delegation Review
4. Upcoming Retrofit of Delaware Archives Pond to Bioretention
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1. CCR Course: March 4, 11, 18 and 25, 2009

A Certified Construction Reviewer (CCR) is a private inspector of sediment and stormwater controls who is hired by a developer when required by the review agency. This 3½-day course offers detailed information on sediment control and stormwater management practices, and is provided as training to individuals who wish to qualify as Certified Construction Reviewers as specified in the Delaware Sediment and Stormwater Regulations. In addition, the course will benefit anyone in the government, engineering, consulting, contracting, or land development professions that work in the field of sediment and stormwater management.

The CCR course is currently offered once a year and the Certification is valid for five years. This 3½-day course will be held Wednesdays March 4, 11, 18 (mandatory ½-day field trip) and 25, 2009. The course fee is \$225, which includes continental breakfast and lunch for each day and course materials. Participants must attend all 3½-days in order to obtain certification, in addition to passing a written exam. Please contact Joanne Gedney by e-mail at Joanne.Gedney@state.de.us or by phone at 302-739-9921 for registration information.

2. Next Blue Card Course (Contractor's Certification): February 18, 2009

The next Blue Card Course (Contractor's Certification) is scheduled for February 18, 2009. The Contractor's Training course is a ½-day course that gives an overview of the Sediment and Stormwater Program, its regulations, and required erosion and sediment control measures in the State of Delaware. Please contact Joanne Gedney by e-mail at Joanne.Gedney@state.de.us or by phone at 302-739-9921 for registration

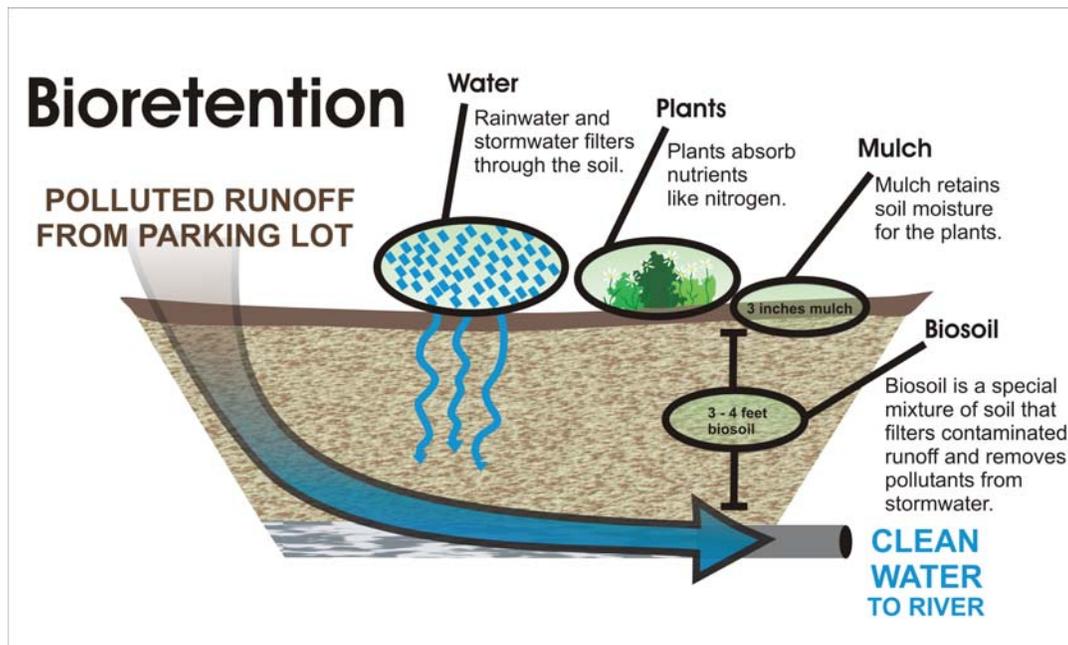
information. The course fee is \$60, which includes continental breakfast and course materials.

3. 2009 Delegation Review

As part of the Delaware Sediment and Stormwater Regulations, Delegated Agencies are required to undergo a delegation review by the Delaware Department of Natural Resources and Environmental Control (DNREC) every three years. Delegated Agencies are agencies within Delaware that perform sediment and stormwater plan review and inspection, and implement the Delaware Sediment and Stormwater Regulations at the local level. The eight Delegated Agencies include DelDOT, Sussex Conservation District, Kent Conservation District, New Castle Conservation District, New Castle County, City of Newark, City of Wilmington, and Middletown. The last delegation review was performed in 2006. This year's delegation review will be covering five major components including administrative aspects of their programs, plan review, construction review, maintenance inspections, and training.

4. Upcoming Retrofit of Delaware Archives Pond to Bioretention

The Delaware Sediment and Stormwater Program is working in cooperation with Office of Management and Budget Facilities Management and the Kent Conservation District to convert a poorly functioning wet pond located at the Delaware Archives building to a bioretention facility. Bioretention facilities improve water quality by filtering stormwater through a porous soil mixture made of concrete sand, sphagnum peat moss, and triple-shredded hardwood mulch. The following graphic summarizes the function of a bioretention facility:



Bioretention is known for having high removals of nitrogen, phosphorus, and Total Suspended Solids (TSS). For this project, the following removal rates are expected:

Nitrogen removal: NH₃ = 87%, NO₃ = 83%, Organic N = 88% → 2ft of soil

Phosphorus removal: Particulate P = 97%, Soluble P = 73% → 2ft of soil

TSS removal: 99% → 2ft of soil

The site is located adjacent to the Saint Jones River in Dover, so the positive impacts to water quality should be dramatic. The facility is anticipated to be constructed in late January/early February (weather pending). This project is funded through the DNREC Nonpoint Source Section by the Environmental Protection Agency (319 Clean Water Act grant).

5. Storm Drain Stenciling in the Chesapeake

The DNREC Sediment and Stormwater Program and Watershed Assessment Section will be working with several towns within the Chesapeake Bay Watershed to adhere markers to the storm drains within town limits of Laurel, Greenwood, Seaford, and Bridgeville. DNREC will be working with these towns to establish a group of volunteers who will be marking the drains. To learn more about this program and to see what other communities have participated in the Delaware Storm Drain Marking Program, please go to:

<http://www.swc.dnrec.delaware.gov/Drainage/Pages/StormDrainMarking.aspx>

6. Link of the month: New Requirements for Projects Within Inland Bays Watershed

The Pollution Control Strategy (PCS) for the Inland Bays watershed was officially promulgated on November 11, 2008. Effective that date, all newly submitted land development projects within the Inland Bays watershed that require an approved Sediment & Stormwater Plan will have additional requirements to meet Total Maximum Daily Load (TMDL) goals. Compliance with these requirements can be met through several options, as outlined in the PCS document. DNREC's Watershed Assessment Branch has put together a one-page fact sheet on the Inland Bays PCS which can be accessed from the following link:

http://www.dnrec.state.de.us/water2000/Sections/Watershed/ws/FactSheet_IBPCS_101408.pdf

The Department is planning a half-day workshop for consultants who prepare Sediment & Stormwater Plans for projects in the Inland Bays watershed. This workshop will provide an overview of the TMDL process, the requirements under the PCS and procedures for compliance under the Delaware Sediment & Stormwater Regulations. The workshop is tentatively scheduled for sometime in April 2009.

Additional information will be provided in future editions of this listserve. In the meantime, DNREC has created a Web site devoted to the Inland Bays TMDL process with supporting documents which can be accessed from the following link:

http://www.dnrec.state.de.us/water2000/Sections/Watershed/ws/ib_pcs.htm