

DNREC Sediment & Stormwater Listserve Update: November 2008

This months topics:

1. Revisions to the Delaware Sediment and Stormwater Regulations
2. Next Blue Card Course (Contractor's Certification): December 9, 2008
3. Next CCR Course: March 4, 11, 18, and 25, 2009
4. Stormwater Impacts of Conversion of Grass Athletic Fields to Synthetic Turf Athletic Fields

1. Revisions to the Delaware Sediment and Stormwater Regulations

The Technical Subcommittee of the Regulatory Advisory Committee has a meeting scheduled for Monday, December 1, 2008 from 1pm until 3pm in the Air and Waste Conference Room in the Priscilla Building at 156 South State Street, Dover. The purpose of the meeting is to review technical requirements of the proposed revisions to the Delaware Sediment and Stormwater Regulations. If you wish to be included on the interested parties list to receive regulatory revision updates and notices of public meetings related to the revisions to the regulations, please send an e-mail containing your contact information to Elaine.Webb@state.de.us.

2. Next Blue Card Course (Contractor's Certification): December 9, 2008

The next Blue Card Course (Contractor's Certification) is scheduled for December 9, 2008. 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. 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.

4. Stormwater Impacts of Conversion of Grass Athletic Fields to Synthetic Turf Athletic Fields

Conversion of a grass athletic field to a synthetic turf where the disturbance exceeds 5,000 square feet necessitates the development of a sediment and stormwater management plan. It is obvious that erosion and sediment controls must be designed for implementation during the construction period; however, stormwater impacts from field conversions must be considered as well.

A synthetic turf athletic field has a very elaborate, efficient underdrain system that does not replicate the predevelopment grass field runoff condition. The synthetic turf field is designed to infiltrate all stormwater through the surface membrane to the underdrain system which is designed to collect the runoff and discharge it. This design does not provide for any infiltration of runoff, resulting in volume increases. The time of concentration also increases which will have a direct effect on peak discharge rates.

Sediment and stormwater plans for athletic field conversion should consider the increase in peak discharge and volume being directed to existing on-site stormwater management BMPs or to offsite discharge locations. Existing stormwater management BMPs may require modification to accommodate this change in runoff. Furthermore, stormwater management may be required for offsite discharges to bring the peak discharge back to pre-development rates.

DNREC does not require additional stormwater quality management of runoff from these converted field areas. In theory, through introduction of the synthetic surface, no longer will nutrients be applied to the athletic fields, so the quality of the runoff will be improved through the conversion to synthetic turf.