

DNREC Sediment & Stormwater Listserve Update: May 2019

This month's topics:

1. **Remaining Blue Card Course Dates for 2019**
2. **CCR Recertification**
3. **eNOI System - Two Important Steps**
4. **2019 Regulations Highlight – Soil Investigation Procedures**
5. **Stormwater Assessment Study (SAS) GIS App: UPDATE**
6. **Link Of The Month: Water Quality Degradation from “Blue Sky” Flooding**

1. **Blue Card Course Dates for 2019**

The Contractor's Certification Course, also known as the “Blue Card 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. Under the Delaware Sediment & Stormwater Regulations, at least one person in responsible charge of a construction site must have successfully completed the Contractor's Certification Course. **The Blue Card Course scheduled for May 23 is now full.** The remaining Blue Card Course dates for 2019 are **September 5** and **December 12**. Registration forms will be made available as course dates approach. Additional information can be found on the Sediment & Stormwater Program website at the following link:

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

2. **CCR Recertification**

CCR Recertification is for those CCRs whose certification has expired or will expire in the current year and would like to continue their certification. This one-day course highlights any changes in the Sediment and Stormwater Program and Regulations, along with newer approaches to stormwater management. The CCR Recertification course is a one-day class held in the fall of the year. The 2019 CCR Recertification course will be held on **Thursday, October 17, 2019**. Eligible individuals will be notified by DNREC's Division of Watershed Stewardship with a registration packet in the late summer. Eligible individuals must register for the course. CCR certification for individuals whose certification expires in early 2019 will be extended until the date of the recertification course offering.

If your address has changed please email joanne.gedney@delaware.gov so information can be updated.

3. **eNOI System - NOIs/NOTs - Two Important Steps**

- Once an Owner creates an account the original wet signature of the “electronic signature agreement” needs to be submitted either through the mail or dropped off. No fax or scanned copies will be accepted. Once approved the owner going forward will be able to complete electronic signatures.
- Once an NOI or NOT is created by the Data Entry person the Owner needs to electronically approve the NOI or NOT. The system currently has many NOIs/NOTs

filed however, the Owner has not electronically approved them. Therefore, they have not been processed.

4. 2019 Regulations Highlight – Soil Investigation Procedures

The 2019 Regulations include in subsection 12.1 the requirements for soil investigation procedures for stormwater BMPs. The regulation includes requirements for general soil investigations, infiltration testing procedures, and soil investigations for embankments. In addition, subsection 12.1.5 includes the minimum submittal requirements for soil investigation reports. All soil investigation reports must be sealed and dated by a professional engineer or professional geologist experienced in soils and licensed in the State of Delaware. Specific reporting criteria for boring logs is included in the regulations as well as the reporting requirements for infiltration test logs.

A soil investigation is required of all BMPs that propose to use infiltration or natural recharge to characterize the soil profile, determine depth to seasonal high water table, to measure the field infiltration rate, and to provide a recommended design infiltration rate. The number of borings and infiltration tests required is determined by the proposed facilities' dimensions. The individual conducting the soil investigation and preparing the report is responsible for providing the design infiltration rate considering measured rates, safety factors, and their observations of the soil. The maximum design infiltration rate may not exceed 15 inches per hour.

Further guidance is provided in Appendix A-1 – Soil Investigation Procedures in the [Delaware Post Construction Stormwater BMP Standards and Specifications](#), dated February 2019.

5. Stormwater Assessment Study (SAS) GIS App: UPDATE

The Stormwater Assessment Study (SAS) GIS App has received two updates. First, the 2-foot contours layer has been replaced with a new 1-foot contours layer based on the 2014 LiDAR data. This will provide better topographic information for the SAS submission, particularly for projects located in the Coastal Plain region. The second update is the removal of the 2012 Land Use/Land Cover layer. This layer had been referenced in earlier versions of the DSSR as a source of information for determining existing forested areas. The 2019 DSSR now rely on aerial imagery and other sources to make this determination, so the LULC layer is no longer needed. The SAS GIS App is available at the following link:

<https://firstmap.delaware.gov/sasgis>

(NOTE: If these changes are not visible when opening the app, it may be necessary to clear your browser's cache.)

6. Link of the Month: Water Quality Degradation from “Blue Sky” Flooding

As sea levels rise, high-tide flooding is becoming a growing problem in many parts of the globe, including cities on the U.S. East Coast. Now, new research shows that as these waters recede, they carry toxic pollutants and excess nutrients into rivers, bays, and oceans. A recent article published by the Yale School of Forestry and Environmental Studies highlights research being done in several East Coast tidal regions, including Delaware Bay and the impact on communities such as the City of Lewes. Until recently, this so-called “sunny day” or “blue sky” flooding had

not been considered as a potential source of pollutants in our coastal communities. The article can be accessed at the following link:

<https://e360.yale.edu/features/as-high-tide-flooding-worsens-more-pollution-is-washing-to-the-sea>