

DNREC Sediment & Stormwater Listserve Update: July 2019

This month's topics:

1. **Remaining Blue Card Course Dates for 2019**
2. **CCR Recertification**
3. **2019 Regulations Highlight – Alternative Runoff Calculations in HydroCAD**
4. **Link Of The Month: Updates to EPA Construction General Permit**

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 remaining Blue Card Course dates for 2019 are **September 5** and **December 12**. September 5 registration is currently available. 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. **2019 Regulations Highlight – Alternative Runoff Calculations in HydroCAD**

It has come to the Sediment & Stormwater Program's attention that, in some cases, the volume of runoff calculated in HydroCAD is not the same as that calculated in DURMM v2.5, even when the Ia/S value has been adjusted to 0.05. The discrepancy appears to be greater if there are extreme values of impervious vs. pervious areas and/or extreme HSG conditions, such as HSG A and HSG D soils. This anomaly has been traced to the method the two models use to calculate runoff. In HydroCAD, the default method is the "Weighted CN" method. In DURMM v2.5, the runoff is calculated separately for the impervious and pervious areas by HSG, and then summed to provide the total runoff. For the conditions cited above, the "Weighted CN" method will usually provide a more conservative (i.e., over managed) solution.

If a user wishes to develop their HydroCAD model to more closely align with DURMM v2.5 runoff values, the “SBUH weighting” method can be selected as an option under the Settings menu and then selecting “Calculation”>”Advanced”. Leave the “Treat Unconnected Impervious as Pervious” box unchecked. Additional information on the runoff calculation methods used in HydroCAD is available at the HydroCAD Support web page:

<https://www.hydrocad.net/curvenumber.htm>

4. Link of the Month: Updates to EPA Construction General Permit

EPA recently finalized and published updates to the 2017 Construction General Permit (CGP) for those construction activities in areas where EPA is the permitting authority. This updated permit took effect on **June 27, 2019**. Updates to the permit included:

- a. Removing the examples of the types of parties that could be considered operators in the definition of operator;
- b. Better aligning three requirements that implement the Construction and Development Effluent Limitations Guidelines (ELG) and New Source Performance Standards (NSPS) with the ELG text; and
- c. Clarifying individual operator responsibilities in multiple operator scenarios. The updated 2017 CGP does not affect the eligible coverage area, the number or type of entities eligible for coverage, or the five-year permit term. The updated 2017 CGP will expire on February 16, 2022.

Since the Delaware CGP is currently undergoing an update as well, EPA’s CGP serves as a guide for the elements that EPA will be expecting to be contained in the update. A Fact Sheet on the changes in the EPA CGP is available at the following link:

https://www.epa.gov/sites/production/files/2019-05/documents/final_2017_cgpfact_sheet.pdf