

## DNREC Sediment & Stormwater Listserve Update: November 2019

### This month's topics:

1. **Remaining Contractor's Certification Course Date for 2019**
2. **Deadline for Pre-2014 Approved Plans**
3. **2019 Regulations Highlight: 48-hour Extended Detention Computational Method**
4. **WE'RE MOVING!**
5. **Link Of The Month: Not Your Father's 100-Year Storms**

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#### 1. **Remaining Contractor Certification Course Date 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 date for 2019 is **December 12**. Registration is currently open with seats 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. **Deadline for Pre-2014 Approved Plans**

Subsection 1.3.2.1 of the Delaware Sediment and Stormwater Regulations requires that any plan approved to comply with Sediment and Stormwater Regulations in effect prior to the 2014 regulations must commence construction no later than December 31, 2019. Where construction has not commenced by December 31, 2019, the plan will expire as of that date. Commencement of construction means that the construction of the approved Plan is visible with the construction of a structure or infrastructure, including but not limited to roads, water and sewer lines, and stormwater management systems. General earth moving is not considered commencement of construction.

Questions regarding the validity of a plan approved in accordance with regulations in effect prior to 2014 should be directed to the approval agency.

#### 3. **2019 Regulations Highlight: 48-hour Extended Detention Computational Method**

Post construction stormwater management BMPs that utilize extended detention (ED) for achieving 100% R<sub>Pv</sub> runoff reduction performance credit, including Dry Extended Detention (ED) Basin, Underground Detention Facilities, and Wet Extended Detention (ED) Pond must demonstrate compliance with the extended detention criteria in subsection 11 of the regulations. The regulations state that detention shall be based on the time of initial inflow to time of final outflow from the facility. It will be necessary to submit in the stormwater report numerical inflow and outflow hydrographs from the hydrologic routing program to demonstrate that 48 hours of extended detention have been achieved.

Furthermore, the regulations say that the peak discharge for the R<sub>Pv</sub> outflow hydrograph shall not exceed five times the average discharge rate. The average and peak discharge rate for the ED

practice may be computed using DURMM v2.51. On the DURMM RPv sheet, if an ED practice is selected for the drainage area, line 4.8 “RPv Compliance Met Through Runoff Reduction?” will always result in “NO”; however, lines 5.3, 5.4 and 5.5 will provide the volume to be managed as well as the RPv average and maximum discharge rates that must be met when the ED practice is routed in the hydrologic routing program.

#### **4. WE'RE MOVING!**

The Sediment & Stormwater Program, along with our brothers and sisters from the various Dover offices of the DNREC Division of Watershed Stewardship will be consolidating in new office space at Enterprise Business Park, located on Hazletville Road in Dover. The new facility will have state-of-the art meeting and conference facilities available for conducting Project Application Meetings and other functions related to our Program. The target date for the Sediment & Stormwater Program to relocate is tentatively December 16<sup>th</sup>, though this is subject to change. We hope to make the transition as smooth as possible, but please understand there may be some disruption to services during the actual move. More information will be provided in the December Listserve as details become available.

#### **5. Link of the Month: Not Your Father's 100-Year Storms**

A recent article in the Water Environment Federation's (WEF) *Stormwater Report* highlighted the results of a new study from University of Wisconsin-Madison and Carnegie Mellon University that looked at problems associated with using historic precipitation data that may not reflect current conditions. Quoting Daniel Wright, a UWM hydrologist and lead author of the study:

“The take-home message is that infrastructure in most parts of the country is no longer performing at the level that it's supposed to, because of the big changes that we've seen in extreme rainfall.”

The WEF *Stormwater Report* article is available at the following link:

<https://stormwater.wef.org/2019/08/not-your-fathers-100-year-storms/>