

DNREC Sediment & Stormwater Listserve Update: June 2020

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1. **DNREC Sediment and Stormwater Program Contact Information**

DNREC Sediment and Stormwater Program Staff continue to work remotely due to COVID-19. The best method of contacting staff members is through email. If you do not know who to contact directly, please send an email to DNREC.Stormwater@delaware.gov and your concern will be forwarded to the most appropriate staff person for follow-up.

2. **DNREC Construction Review Contact Information**

As of June 1, Construction Reviewer Nate Zimmerman has moved from his position at DNREC to a similar position at DelDOT. Because he is moving to another State agency, Nate's email address will not change; however, he will no longer be the DNREC point of contact for construction review for State and Federal sites. The DNREC construction review point of contact after June 1 is Nic Quay. Nic can be contacted by email at Nickolas.Quay@delaware.gov or by phone at (302) 612-5418.

3. **Submittal Procedures During the COVID-19 Emergency**

In an effort to limit the number of individuals entering DNREC Division of Watershed Stewardship offices, until further notice it is requested that Sediment and Stormwater submittals be made through USPS or delivery service such as UPS or FedEx. Please do not hand-deliver submittals to the office.

The DNREC Sediment and Stormwater Program office location changed in December 2019. Due to most staff working remotely at this time, submittals to the previous address may be delayed in the time in which they are received by our current office location. Please update your mailing address for the DNREC Sediment and Stormwater Program to the following:

Division of Watershed Stewardship
Sediment and Stormwater Program
285 Beiser Boulevard, Suite 102
Dover, DE 19904

When possible, the best way to submit is to submit electronically through email. If you do not know the staff member that should receive the submittal, please submit to DNREC.Stormwater@delaware.gov and the submittal will be forwarded to the appropriate staff member.

4. Blue Card Course Dates for 2020

The Contractor Training Program, 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 Training Program. The remaining Blue Card Course dates set for 2020 are **September 10** and **December 3**.

The May 21, 2020 Contractor Training used the Cisco Webex platform to deliver the training using an online platform and was successful. Until social distancing measures allow for face-to-face group training to occur once again, the Sediment and Stormwater Program is able to provide this training using the online platform. Registration for the September 10, 2020 class is currently open. Additional information and the registration form can be found on the Sediment & Stormwater Program website at the following link:

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

5. 2019 Regulations Highlight: Computational Method of Compliance for Filter Strips

The February 2019 Post Construction Stormwater BMP Standards & Specifications include an option for determining partial or extra runoff reduction credit for vegetated filter strips using a computation method in place of the standard credit allowed using the Delaware Urban Runoff Management Model (DURMM). The methodology is discussed in BMP Standard & Specification 9, *Sheet Flow to Vegetated Filter Strip or Vegetated Open Space*. Unlike most of other credits given for surface recharge practices, this method is based on the velocity for 1” of runoff rather than an annual runoff reduction. The credit is therefore strictly limited to the reduction of 1” of runoff and is not to be applied to the total runoff for the RPv event.

Designers using the Computational Method of Compliance have been required to compute the volume managed manually based on the reduction credit calculated, since DURMM does not include this method. This has led to some confusion as to what volume to use when applying the credit. In order to address this, The Sediment & Stormwater Program has updated a BMP Design Worksheet that was distributed to participants in the Department’s earlier Designer Training series to include a calculation of the volume reduction in cubic feet. The updated BMP Design Worksheet is described in more detail below as the Link of the Month.

6. Link of the Month: BMP Design Worksheet

As mentioned in this month’s Regulation Highlight, the Sediment & Stormwater Program developed a BMP Design Worksheet that was previously distributed to participants in Designer Training. This Microsoft Excel-based workbook included individual worksheets that facilitated the calculations needed to design the following SWM BMPs:

- Vegetated Filter Strips using the Computational Method of Compliance
- Traditional Constructed Wetlands
- Afforestation

The original workbook has been updated to include a calculation of the volume reduction in cubic feet when using the Computational Method of Compliance for vegetated filter strips. The

computed runoff reduction volume can then be entered directly in the R_{Pv} Compliance Summary Table for the appropriate drainage area.

The worksheet for Traditional Constructed Wetlands facilitates the calculations to determine the volumes needed to meet the requirements for the various zones and minimum depth of the deep pool.

Although Afforestation has now been added to the latest version of DURMM, this worksheet is still useful for a quick estimate of the runoff reduction credits possible using Afforestation or Tree Planting without going through a full DURMM analysis.

Since there are no current plans to schedule Designer Training in the foreseeable future, the Sediment & Stormwater Program is making the BMP Design Worksheet available for download under the *Engineering Resources* header on the Sediment & Stormwater Program website:

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