



April 16, 2021

In an effort to keep the regulated community informed, we contacted our engineer email distribution list to request questions that you all have for us to answer and post online for your information. Below are the questions we received and our responses. We hope you find these helpful. Thank you!

1. For the PCSM Spreadsheet, how can we account for drainage area that is directed to a different Study Point in the Post-Development than it is in the Pre-Development? Currently yields an error.

The sum of all the disturbed area between POI's must be the same pre to post. Individual drainage areas can change. We could not replicate error, please provide an example.

2. For vegetated roof systems, each manufacturer has a different cf/sf storage volume based on their configuration and components. Knowing the actual storage of the system from the manufacturer, how should the DEP excel worksheets be filled out?
 - a. Utilize the soil storage depth and the adjust a "storage" to equal the actual storage vs computed, or
 - b. Assume no soil storage and use all the volume in the "storage" cell?

Our recommendation to fill out the spreadsheet is: Media depth is actual, actual storage volume from manufacturer specs, select vegetated.

3. For underground MRC facilities that are pipe storage without infiltration, which BMP type should be selected? We have been given technical deficiencies for selecting "sub-surface infiltration bed," but it seems the most logical choice.

Since a MRC design has a permanent pool/IWS (Internal water storage), we recommend choosing wet pond/retention basin as the bmp in the drop down, and check yes in the MRC column. This BMP would most closely mimic the operation of a MRC facility.

4. In the current NOI form for General NPDES permits, Eligibility Information section, item 4 asks for verification that soils in the area of disturbance are not contaminated. What level of investigation is acceptable in order to verify that contamination is not present? Is a review of historical aerial photographs sufficient or is soil testing required? Is there another option somewhere in between these two? If testing is required, are guidelines available on the number or distribution of samples?



We recommend performing environmental due diligence through a Phase 1 environmental study. That study may then require further investigation of soil testing through a Phase 2 environmental study. If you have further questions, please contact DEP.

5. On the Volume Management of the DEP PCSM Spreadsheet: How do you fill out the spreadsheet when checking the exempt box eliminates all pervious cover calculations when a portion of your site within the drainage area is exempt from meadow in good condition and the remaining portion is not exempt?

We feel this has been addressed in version 1.8 of the spreadsheet. See page 6 & 7 of the instructions.

6. On the Managed Release Concept Design Summary Form: Should the total 2-yr/24-hour runoff volume managed by BMP match the disturbed volume draining to the BMP from the DEP PCSM Spreadsheet or should it be the actual volume draining to the BMP?

Disturbed area volume draining to the bmp.

7. Which PFBC trout list should be utilized to determine if your project is tributary to a wild trout stream: Keystone Select Stocked Trout Streams, Special Regulation Trout Streams, Class A Trout Streams, Stocked Trout Streams, Wilderness Trout Streams and Natural Reproduction Trout Streams?

Wilderness Trout Streams and Natural Reproduction Trout Streams.

8. In light of the recent revisions made to the NPDES Checklist and the information already required within the NOI and the new PCSM Spreadsheet, what specifically would the Conservation District/DEP like to see in the PCSM Narrative? (It would be great if we, as designers, didn't have to provide the same information in multiple places, which should help to reduce errors, confusion, and review time)

We recommend providing any supporting calculations or information that substantiates the information summarized in the NOI, modules and PCSM spreadsheet. The NOI, modules and spreadsheet are designed to be a summary of the information collected and calculated for your project site analysis, to help expedite reviews. For example, we want to see the infiltration study performed for the site, to ensure the proper methodology and techniques were used for evaluating the suitability of the soils for intended function of the proposed bmp.

