

Urban Stormwater Workgroup  
Meeting Summary  
December 16, 2014  
10am-12pm  
USWG 12-16-14

Announcements:

- Nutrient Discharge from Grey Infrastructure Expert Panel report was approved by WQ GIT in November.
- Peculiarities of Perviousness report will be released by STAC in January.
- The 2015 Best Urban BMP award contest is now open and accepting projects. There is a new category for BMPs found outside of the Bay watershed; however, these must be BMPs that are innovative and could be used in the Bay in the future. The grand prize winner will receive \$5,000. The contest is open until February 15.
- The 2015 webcast schedule is being developed. There will be a webcast on nutrient discharge from grey infrastructure in January.

Updating MS4 Overlays in Phase 6 of the Watershed Model

- USWG was charged by the WQGIT in October with updating the MS4 overlays that are currently in the model.
- The workgroup needs to discuss the following questions:
  - Who is the entity that we need to talk to in each of the states in order to get this done?
  - How will we define the MS4 overlay? (Currently, the MS4 overlay is the census designated urbanized areas.)
    - Due to a lack of adequate representation from all of the states, it was not possible to have a full discussion of how to define the MS4 overlay.
- ACTION: Katherine Antos will provide a written document explaining what the Bay Program will use the boundaries for and how the overlay will be used. Jurisdictions will provide their POC and will respond with how they would like to handle boundary information (i.e., do you want the service area to be designated?).

Land Use Loading Rate Targets for Phase 6

- Olivia Devereux presented on the method and data used to convert the literature review concentrations to loading rates for the Phase 6 calibration targets.
  - On track to get this information to the Modeling WG for their February meeting.

Consistency in Adjustor Curves

- Two curves were developed for the adjustor curves by the stormwater retrofit and new performance standards expert panels, one that uses a polynomial distribution, and one that uses a logarithmic one.
  - Norm Goulet: The polynomial curves are a better fit.
  - Ted Brown: Is it appropriate use a 5<sup>th</sup> order polynomial to WQ data? When you start forcing a function to fit the data, it may not be reflective of the data population.
  - Tom Schueler: The points came from the literature, and everything else came from extrapolation. The 5<sup>th</sup> order polynomial is just a better fit. This is true for all three curves (Phosphorus, Nitrogen, and sediment)

- Sebastian Donner: The polynomial curve looks more appropriate.
- Marty Hurd (DDOE): If the model is using polynomial, then the jurisdictions should be using the same methods. If it is going to be more in line with what CBP is doing, it will be more appropriate to be in step.
- Katherine Antos: Given that the polynomial is a better fit, I support aligning the report and state guidance with the polynomial.
- Ted Brown: I'm suspicious of an R squared of 1.
- Tom Schueler: There are two curves out there, it makes sense to go with one or the other. We're not making a recommendation, but we do feel that consistency is important and want to strive for one curve over the other.
- There were no objections to using the polynomial curve.
- **DECISION:** All panel reports will be updated to include the polynomial curves. This will be sent to the states to update their guidance documents.

#### Threshold Lit Review for Outfall Stabilization and MS4 Stormwater Outreach

- Tom Schueler outlined a proposed scope of a literature review to determine if a panel should be launched.
- **ACTION:** Feedback/comments on this scope can be sent to Tom Schueler by January 5, 2015.

#### Attendance:

Tom Schueler, Chesapeake Stormwater Network  
 Joan Salvati, VA  
 Kelsey Brooke, VA  
 Bill Keeling, VA  
 Bill Stack, CWP  
 Greg Busch, MD  
 Sebastian Donner, WV  
 Karl Berger, Wash COG  
 Jeff Sweeney, EPA  
 Samantha Watterson, CRC  
 Cecilia Lane, Chesapeake Stormwater Network  
 Olivia Devereux, DEC  
 Julie Mawhorter, USFS  
 Ken Murin, PA  
 Jennifer Orr, PA  
 Jill Wickham, PA  
 Norm Goulet, NVRC  
 Marty Hurd, DDOE  
 Ted Brown, Biohabitats