



## Urban Stormwater Workgroup Meeting

### Meeting Minutes

Tuesday, September 15, 2020

10:00 AM to 12:00 PM

Meeting Materials: [Link](#)

---

### Summary of Actions and Decisions

**Decision:** USWG approved the May and June Meeting Minutes

**Action:** USWG members are tasked with reviewing the Climate Resiliency of Stormwater Practices memos and providing feedback to David Wood ([Wood.CSN@outlook.com](mailto:Wood.CSN@outlook.com)) and Norm Goulet ([NGoulet@novaregion.org](mailto:NGoulet@novaregion.org)).

**Decision:** USWG approved the Floodplain Restoration Protocol Memo (Group 4). This will be presented to the WTWG and WQGIT at their October meetings.

**Action:** USWG will review the Impervious Cover BMP via email. If there are any final comments, they should be submitted to David Wood ([Wood.CSN@outlook.com](mailto:Wood.CSN@outlook.com)) no later than October 1, 2020.

### Meeting Minutes

**10:00 Welcome and Review of May and June Meeting Minutes.**  
Norm Goulet, Chair. Attach A.

- *David Wood is now the Coordinator for USWG*
- **Decision:** USWG approved the May and June Meeting Minutes

**10:05 Announcements and Updates**

- Ad Hoc Verification Team
  - *2 Year effort; Norm is representing USWG on Team*
- CAST 2021
  - *All suggestions were due on September 9th, will be discussed at next WQGIT meeting on September 28<sup>th</sup>.*

**10:20 Maintaining Climate Resilience of Stormwater Practices Update.** David Wood, CSN (Attach. A, B & C)

David will present the key findings from the next two memos in a four-part series on improving the climate resilience of stormwater management practices. The first will summarize current design standards and ongoing resilience efforts in each state, the second will present findings

from a series of future climate projections across the Chesapeake Bay Watershed. Workgroup members will be asked to review and provide feedback on each memo .

### **Discussion:**

Dave Montali asked when the joint meeting with the Modeling and Climate Resiliency WGs would occur? David Wood wasn't sure of the exact date, but it would most likely be a week or two early than the regularly scheduled USWG meeting. Scott Crafton asked where the memos are located? David Wood said they are located on the [USWG calendar page](#) for today's meeting and, once finalized, will be located on the CSN webpage too.

### ***From the Chat:***

Jessica Rodriguez: Are there recommendations for changes to design criteria as part of memo 3 or is it just a summary information is currently out there?

Julie Reichert- Nguyen: Great progress on evaluating climate impacts to the urban storm water BMPs. I'm tracking the date for the joint Urban, MWG and CRWG meeting for CRWG participation. Looking forward to memo 4. Just let CRWG know if you would like us to review anything.

**Action:** USWG members are tasked with reviewing the Climate Resiliency of Stormwater Practices memos and providing feedback to David Wood ([Wood.CSN@outlook.com](mailto:Wood.CSN@outlook.com)) and Norm Goulet ([NGoulet@novaregion.org](mailto:NGoulet@novaregion.org)).

**10:50 Recommendations for Approving Floodplain Restoration Protocols.** David Wood, CSN (Attach. D & E)

David will review the responses to comments and major changes to the draft memo that was presented to the USWG in May. USWG will be asked to approve the recommendations.

### **Discussion:**

Jamie Eberl asked about Appendix E and if funding was available? David Wood said that at this time there isn't funding available but there are other ways of estimating floodplain flow. In the meantime, there are methods to do the downstream modeling until those tools and funding are developed. Neely Law asked if he could recap the information to support the dimensions to support EHZ construction. David Wood said the basis for EHZ dimensions are the area of the floodplain where the low flow elevation is within 18 inches of the floodplain surface. That value is placed on the importance of carbon source or turnover of floodplain vegetation. There are some cited in the report on root mass that is about 12-18 inches below the floodplain surface. You need consistent contact between the water flow and the root zone. There is that initial check based on floodplain height above the low flow groundwater elevation. We do strongly encourage going back and having validation of the groundwater elevation to ensure it is within the 18 inches. David Wood said that Norm and he met with MDE before the call and they want an appendix added. Christina Lyerly said that the one major issue is the scientific basis, until more research supports the assumption, MD has the authority to take a conservative approach. With the addition of the appendix, MD can agree with reservation with this memo.

**Decision:** USWG approved the Floodplain Restoration Protocol Memo (Group 4). This will be presented to the WTWG and WQGIT at their October meetings.

PA: agreement with reservations. For consistency, this protocol is only for urban projects. However, in the absence of other protocols if a project fits the criteria then we feel we should be able to use this to get credit for those projects.

MD: agreement with reservation as long as appendix is added.

DoD: agrees with reservations. We have installations that span across VA, MD, PA and DC. I understand providing jurisdictions with flexibility for implementation of credit for types of projects. We would just be concerned that it would introduce inconsistency in how credit is applied for projects in certain jurisdictions vs others. So, I just wanted to raise that as a concern, but it doesn't impede moving this forward.

**11:30 Impervious Cover Removal BMP.** David Wood, CSN and Norm Goulet, Chair  
(Attach. F & G)

In April, the USWG discussed the need for clarification for how to track and report impervious cover removal. An ad hoc group was convened to assess past efforts to credit the practice and review options for future reporting. The USWG will be asked to approve their recommendations.

**Discussion:**

**Action:** USWG will review the Impervious Cover BMP via email. If there are any final comments, they should be submitted to David Wood ([Wood.CSN@outlook.com](mailto:Wood.CSN@outlook.com)) no later than October 1, 2020.

DOEE approves of the above approach.

KC Filippino wondered if what Dave Montali mentioned will help with TP. Moving forward, figuring out P will be key for this David Wood thought there were 1 or 2 ways to approach this. One of them would be moving that qualifying condition with manure. He will talk to Jess and Olivia next week and ask them about this. Cecelia Lane thought these comments were valuable. She asked if most municipal land can't be fertilized or if it's not being fertilized can we get a higher TP value? Maybe that's where it falls out. Cecilia thought this would be too erroneous and it would make sense just to take out the turf grass. David Wood will follow up with Jess and Olivia and then follow up with folks with options. In the meantime, if USWG members have comments or objections please send them to him. Aiming for October 1<sup>st</sup> as the approval date.

**12:00 Adjourn**

**Call Participants**

Cass Davis, NYSDE  
Christina Lyerly MDE  
Sarah Lane, UMCES

Alana Hartman, WV DEP  
Dave Montali, Tetra Tech, Modeling Co -chair  
Elaine Webb, DNREC  
Randy Greer, Sediment Program  
James Dunbar, DOEE  
Scott Crafton, VDOT  
Heather Ambrose, Fairfax County  
Liz Ottinger, EPA  
Vanessa Van Note, EPA  
Kate Bennett, Montgomery County  
Jill Sunderland, HRPDC  
Marty Hurd, Fairfax County  
Ruth Minich- Hobson, DNREC  
Shannon McKenrick, MDE  
Chris Swanson, VDOT  
Julie Reichert- Nguyen, CRWG NOAA  
Mary Gattis, Bay Journal  
Jeremy Hanson, VT  
Neely Law, SHWG DPWES  
Heather Ambrose, City of Rockville  
Jessica Rodriguez, DoD  
KC Filippino, HRPDC  
Cecilia Lane, DOEE  
Doug Austin, EPA  
Jeff Sweeney, EPA  
Jamie Alberti, Alliance for the Bay  
Jordan Gochenaur, Alliance for the Bay  
Karl Berger, MWCOG  
Ted Brown, Bio Habitats  
Paul Mayer, EPA  
Brenda Morgan, AA County  
Robert Goo, EPA  
Jeff Hartranft, PA DEP  
Ginny Snead, AMT Engineering  
Jeff White, MDE  
Lisa Ochenshirt, AquaLaw  
Sophia Grossweiler, MDE