



Urban Stormwater Workgroup Meeting

Meeting Minutes

Tuesday, September 20, 2022

11:00 AM to 12:00 PM

Summary of Actions and Decisions

Action: David Wood will confirm membership for the USWG's small group via email. This smaller group's membership will have representation from each jurisdiction (approximately 10-12 members) and will focus on the turfgrass fertilizer application method for CAST-21.

Action: David Wood will send out a poll to schedule a meeting for the first week of October to begin discussing the turfgrass fertilizer application method for CAST-21.

Meeting Minutes

11:00 Welcome and Review of July Meeting Minutes.

Norm Goulet, Chair. Attach A.

11:05 Announcements and Updates

- Stream Health WG GIT Funding Proposal
 - *USWG did not put forth a proposal but will support the Stream Health WGs GIT Funding proposal for this cycle.*
- Maintaining Forest Buffers in Stream Corridors Best Practices Guide Due Soon
 - *We will let the USWG know once the best practices guide is available.*
- BMP Expert Panel Protocols Update
 - *Still ongoing; the most recent version is available on the September WQGIT meeting page.*
- Others

11:15 Turfgrass Fertilizer Application Method for CAST-21. Jeff Sweeney, EPA, and David Wood, CSN

In January and March, the USWG reviewed [two methods](#) for revising how turf grass nutrients are applied in CAST to address concerns raised by West Virginia about the impact of outliers in the AAPFCO data on loading rates. The workgroup could not reach consensus on a new method, and thus the existing method remained in use. However, at their August 29th meeting, the Bay Program's Principals Staff Committee tasked the Bay Program with convening an appropriate committee to develop interim solutions for short-term data fixes so we can move CAST-21 forward now (with the understanding there is an effort underway to develop long-term fix for Phase 7).

With this agenda item, we will revisit the main proposal from March and the concerns raised at the time that presented consensus. We will then discuss a proposed ad-hoc committee to revisit the issue and come to a solution that will provide a short-term fix for CAST until better urban fertilizer data sources and methods can be acquired and adopted.

Discussion

Norm Goulet would like to have phase 1 addressed between November and December. David Wood's timeline ends in April 2023, but it would be great to have this completed before then. Phase 2 would start in the summer of 2023 and would likely be a 6- 10-month effort. Membership would be 10 -12 members, with support staff. State/ jurisdictional membership will be determined offline (likely similar to the current representatives, unless stated otherwise).

Dave Montali confirmed that Jeff is only presenting one method even though there were other methods presented. Today's method is method 2 from previous presentations. It might help to generalize the two methods when this presentation is done. Jeff Sweeney said that method 1 is a linear regression. Method 2 looks at a percent change over the linear regression instead of lbs. of nutrients. You see more smoothing in method 2 than you do in method 1. Norm Goulet asked if anyone has looked back at the WVs database and seen if any numbers were transposed incorrectly. Dave Montali did do this and said it was possible. The folks that did that don't care about the county.

Norm Goulet asked for the state-wide fertilizer numbers: if we eliminated the counties outside the watershed, could we use that number? Jeff Sweeney said that they only use counties with a portion in the watershed. Marty Hurd asked what the relative contribution of turf grass fertilization is to nutrient loadings for the jurisdictions (compared to other sources). Olivia Devereux provided this link: <https://cast.chesapeakebay.net/TrendsOverTime/NutrientsApplied> (use Nutrients by Source, 2nd tab). Jeff added that it's not just excluding the data, so the question becomes- how do you decide what an outlier is? They follow the same protocol that the AgWG uses. The data manipulation used on the Ag side applied to the Urban side would be helpful. Dave Montali asked if we are going to use another year of AAFPCO data for CAST23. Jeff Sweeney confirmed this was the case. For the first meeting, we will need a spreadsheet of all the data.

The first meeting has not been scheduled yet. A doodle poll will be sent out soon to schedule a meeting for early October. The Modeling WG has a 2-day meeting on Tuesday and Wednesday of the first week of October (take this into consideration for meeting planning). We will need cooperation from every state to move this forward.

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Action: David Wood will send out a poll to schedule a meeting for the first week of October to begin discussing the turfgrass fertilizer application method for CAST-21.

12:00 Adjourn.

Call Participants

Hilary Swartwood, CRC
David Wood, CSN
Norm Goulet, NRVA
Tom Butler, EPA
Christine Lyerly, MDE
Sam Canfield, WV DEP
Elaine Webb, DNREC
Jessica Rodriguez, DoD

Cassandra Davis, NYSDEC
Dave Montali, Tetra Tech (WV)
Monique Dykman, Londonderry (PA)
Ho-Ching Fong, MCDEP
Karl Berger, MWCOG
Alana Hartman, WV DEP
Ted Brown, Biohabitats
Alison Santoro, MDNR
Carol Wong, CBP
Jeff Sweeney, EPA
KC Filippino, HRPDC
Cecilia Lane, DOEE
Allie Wagner, NRVA
Olivia Devereux, Devereux Consulting
Mark Hoffman, CBC
Clare Sevcik, DNREC
Heather Gewandter, Devereux Consulting
Jen Walls, DNREC
Jeff Selengut, VA DEQ
Shannon McKenrick, MDE
Brendan Diener, DNREC
Mark Symborski, Montgomery County
Aileen Craig, TNC
Jamie Eberl, PA DE
Jeff Colella, WVSA
Marty Hurd, Fairfax County
Ginny Snead, AMT
Eugenia Hart, Tetra Tech (DE)
Ginger Ellis, Ann Arundel County
Camille Liebnitzky, City of Alexandria
Brenda Morgan, Ann Arundel County

Affiliation?

Liz Feinberg,