

Panels

Jeremy Hanson, Panel Coordinator, Virginia Tech
Watershed Technical Workgroup

June 2, 2016

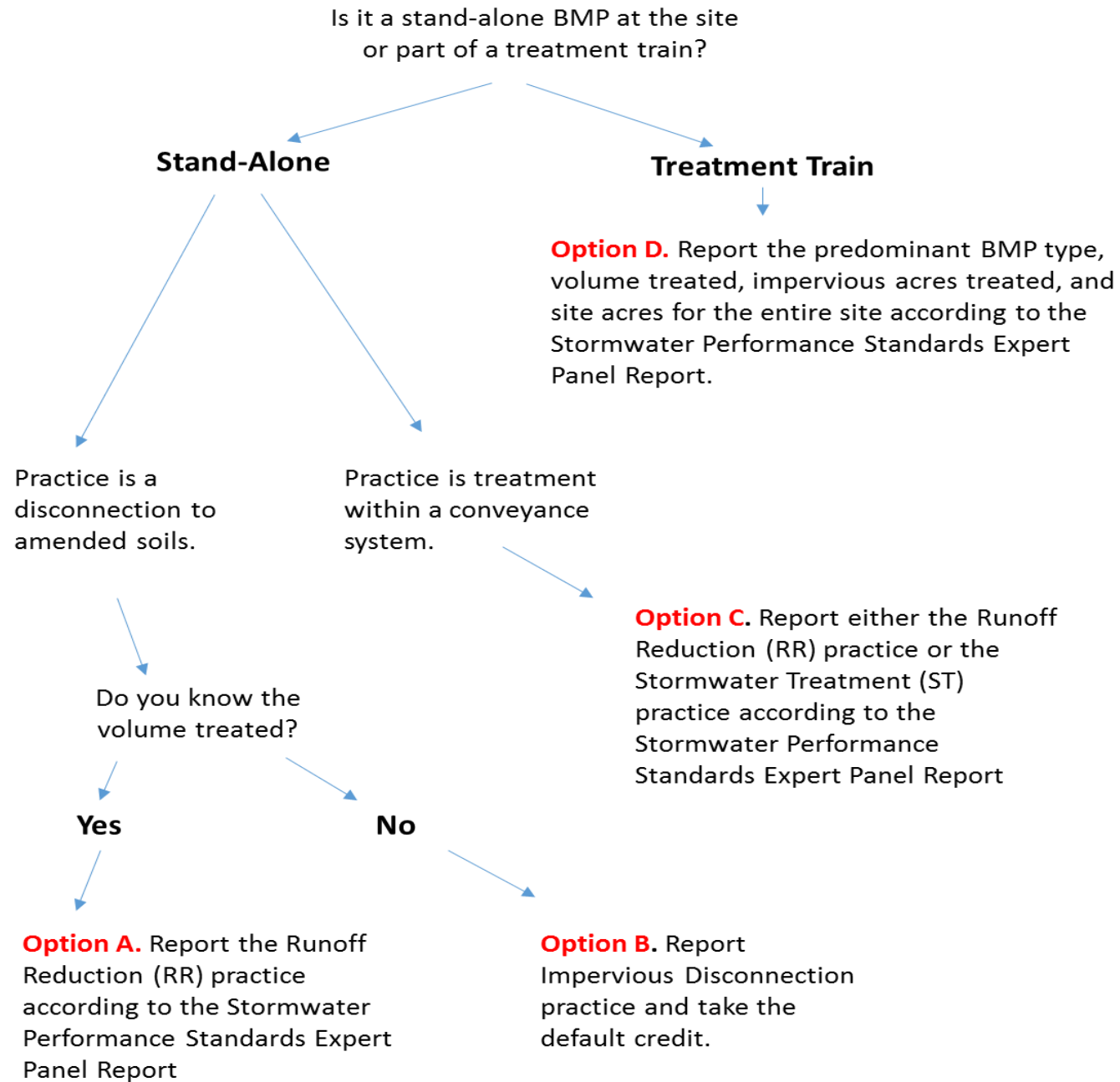
Impervious disconnection

At a glance...

For disconnection of an impervious area to amended soils...

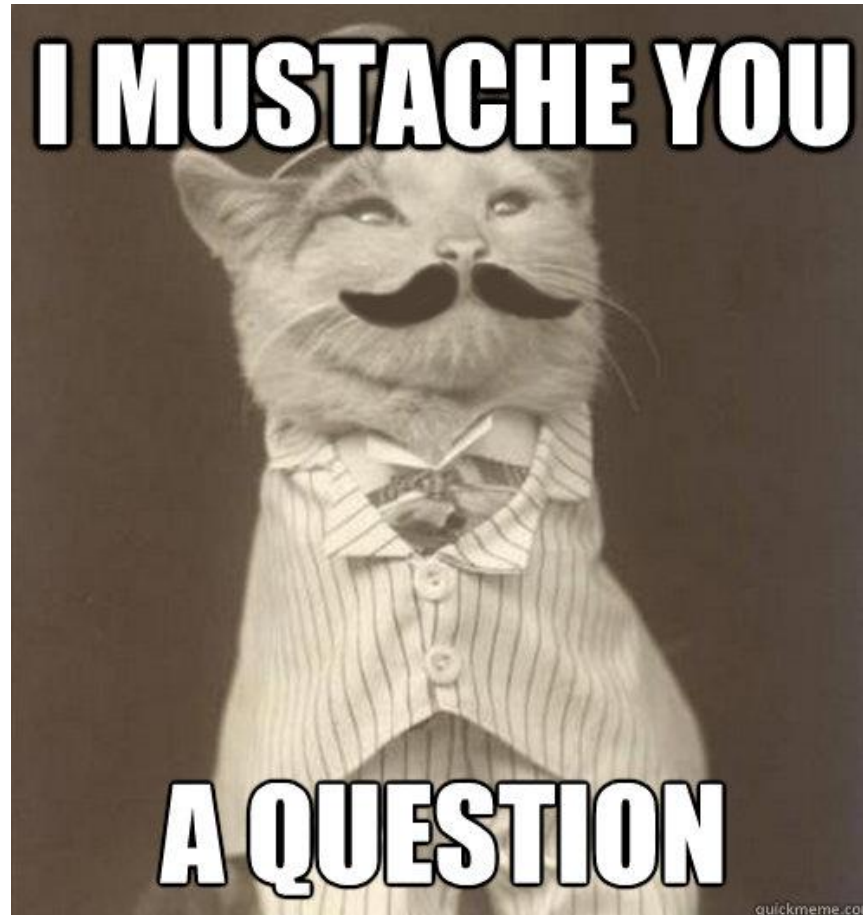
1. Default rate
 2. Simplified method
 3. Computational method
- Methods from panel allow user to plug the impervious disconnection into adjustor curves from Performance Standards Expert Panel (Runoff Reduction)
 - Further information and clarity is provided for treatment in the conveyance system practices, which are reported as either RR or ST practices

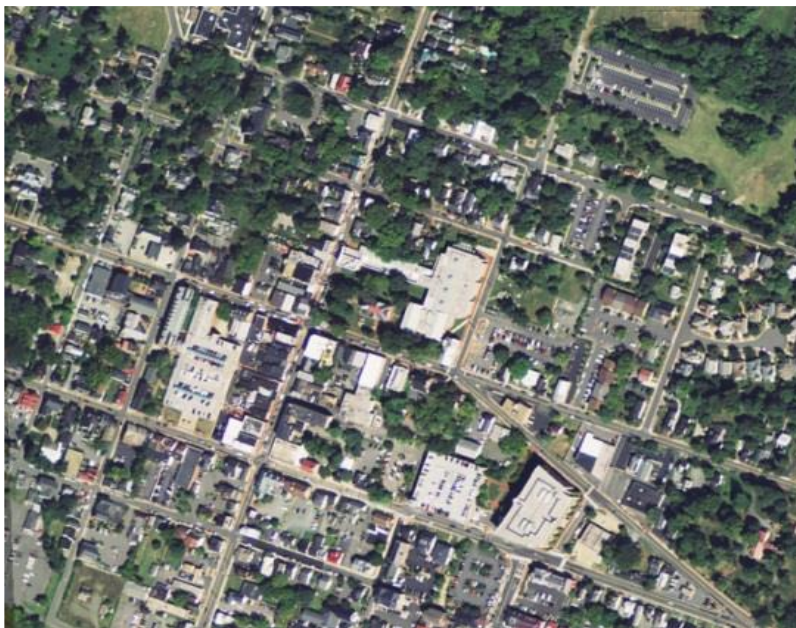
Join us for June 3 webinar for more information



Timeline (tentative)

- **May 16:** Panel's draft report released for CBP review (sent to WQGIT, USWG, WTWG, and advisory committees)
- **June 3:** Webinar
- **June 21:** Initial 30-day review period closes. Comments should be submitted to Jeremy Hanson (jchanson@vt.edu) and Bill Stack (bps@cwv.org) by close of business. Members or interested parties of any workgroup or committee are encouraged to submit their input by this date as it allows the best opportunity to effectively resolve substantive issues in a timely manner.
- **July 7:** WTWG
- **July 19:** Earliest potential date to seek USWG approval
- **August 4:** Earliest potential date to seek WTWG approval
- **August 22:** Earliest potential date to seek WQGIT approval





“Urban Tree Canopy”

Table 8. Tree canopy relative land use loading rates based on the underlying land use land cover (Source: Hynicka and Divers 2016)

Land Use	Total Nitrogen Reduction (%)	Total Phosphorus Reduction (%)	Total Sediment Reduction (%)
Canopy over Turfgrass	23.8	23.8	5.8
Canopy over Impervious	8.5	11.0	7.0

Urban tree planting (Phase 6)

- 300 planted trees converts 1 acre to Tree Canopy
- Accounts for mortality, variable planting conditions in developed areas
- No qualifying conditions.



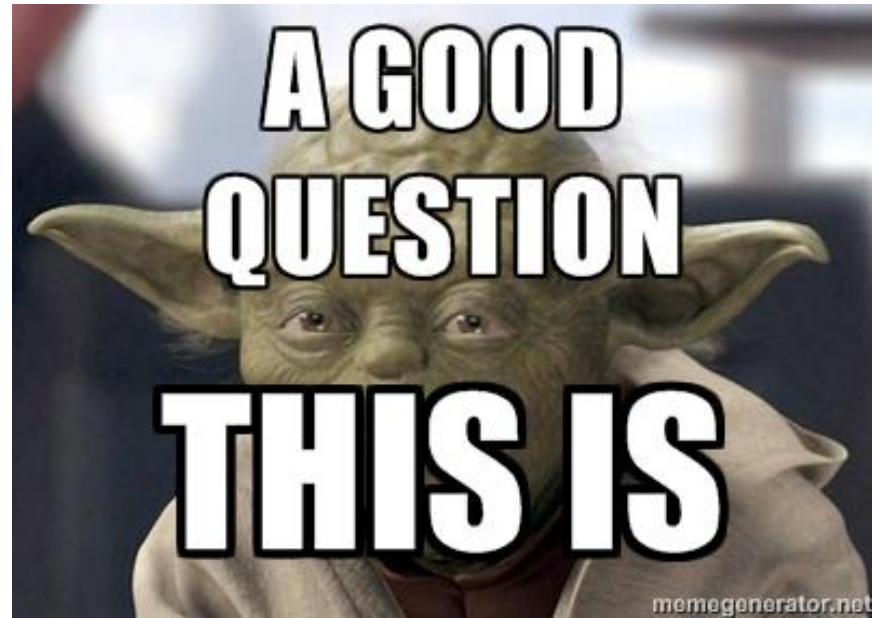
Urban forest planting

- Proposed by FWG as add-on to UTC panel's report. Proposal will be updated next week based on their input.
- Reported as acres, conversion to Forest instead of Tree Canopy
- Larger scale planting projects with intention of creating forest-like conditions. Management of understory is consistent with that goal.
- Will have qualifying conditions (TBD)



Timeline

- **Thu. June 9:** Initial 30-day comment period closes. Comments on the report should be submitted to Jeremy Hanson (jchanson@vt.edu) by close of business.
- **Tues. June 21:** USWG
- **Thurs. June 23:** (Rescheduled) FWG. Seek FWG approval.
- **Thurs. July 7:** WTWG conference call. Earliest potential date to seek WTWG approval, depending on status and timing of FWG approval.
- **Tues. July 19:** USWG
- **Thurs. August 4:** Seek WTWG approval if earlier approval is not possible given the schedules of the workgroups.
- **Mon. August 8 or Mon. August 22:** Potential dates for seeking WQGIT approval, depending on FWG and WTWG approval status and schedule.



Manure treatment technologies

Recap

- March 31: MTT panel report distributed
- April 14: Webinar presenting panel's recommendations
- April 21: Agriculture Workgroup
- May 3: Initial 30-day comment period ended (COB)
- May 19: Agriculture Workgroup
- June 2: WTWG

Panel report materials are available online (April 14 webinar page):

<http://www.chesapeakebay.net/calendar/event/23875/>

Overview

- Comments received from over a dozen partners or interested parties
 - Three state partners (VA DEQ, VA DCR, PA DEP, MDE, MDA, MD DNR) plus the Chesapeake Bay Commission
 - Non-profit and for-profit organizations, including:
 - Chesapeake Bay Foundation
 - Sustainable Chesapeake
 - Aqua Terra
 - EnviroKure
 - Coaltec
 - CleanBay
- Comments ranged from a few short sentences to multiple pages.

Recurring themes and issues raised

- The majority of comments covered general or specific aspects of the following non-mutually-exclusive topics:
 - Air emissions and air deposition (NO_x and Ammonia)
 - Non-treatment fate of nutrients (storage/handling, field application, etc.)
 - Tracking and Reporting
 - Modeling
 - Trading
- Comments were also provided on other miscellaneous topics
 - Edits to text/graphics
 - Questions about NVE, NSE, PSE calculations

Next steps

- Will soon provide full responses and summary memo for AgWG (by end of this week, June 3)
- Seek AgWG approval on June 16
- Seek WTWG approval in early July
- Seek WQGIT approval in late July or in August
- Outcomes from Modeling Workgroup or policy group not expected to affect panel's technical recommendations for treatment
- Modeling Team and Modeling Workgroup continue to work on possible methods or adjustments in modeling tools for air emissions/deposition. August 9-10 Quarterly.
- Requesting a “policy group” to consider other issues related to trading (replacement nutrients, etc.). Timeline TBD.

-Question-



More information available on webinar pages

- Webinar recordings, panel reports and other documents (comments/responses, etc.) will be uploaded as they become available
- MTT Panel, April 14 webinar page:
<http://www.chesapeakebay.net/calendar/event/23875/>
- UTC Panel, May 20 webinar page:
<http://www.chesapeakebay.net/calendar/event/23958/>
- IC Disconnection, June 3 webinar page:
<http://www.chesapeakebay.net/calendar/event/23993/>

Thank you!

Contact Jeremy with any questions or comments

jchanson@vt.edu

410-267-5753