



## WATER RESOURCES TECHNICAL COMMITTEE (WRTC)

March 1, 2024  
10:00 A.M. - 12:00 P.M.  
Webinar only via MS Teams

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### AGENDA

10:00 A.M. 1. **WELCOME, INTRODUCTIONS AND ANNOUNCEMENTS (MM #1)**  
*Jason Papacosma, WRTC Chair, Arlington County*

10:05 A.M. 2. **EFFECTIVENESS OF THE UNIFIED STORMWATER SIZING CRITERIA (USC) IN PROTECTING CHANNEL STABILITY (MM#2)**  
*Tess Thompson, Virginia Tech*

Dr. Thompson will discuss research currently being conducted on the effectiveness of the unified stormwater sizing criteria (USC) in protecting channel stability (the channel protection volume). As part of the research, Virginia Tech, University of Maryland and Baltimore County (UMBC), developed a detailed SWMM model of a small, monitored watershed near Clarksburg, Maryland. This watershed was developed using then-applicable Maryland USC requirements, as outlined in Chapter 2 of the Maryland stormwater manual.

Action: Receive briefing

10:35 A.M. 3. **DISTRICT OF COLUMBIA'S MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) UPDATE (MM#3)**  
*Matt Gallagher, District of Columbia*

Mr. Gallagher will provide an overview of the recently approved MS4 permit, with a focus on changes and updates from the previous permit.

Action: Receive briefing

11:00 A.M. 3. **FAIRFAX COUNTY MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) UPDATE (MM#4)**  
*Marty Hurd, Fairfax County*

Fairfax County's MS4 permit requires the county to reduce and manage the discharge of pollutants from the stormwater management system into waterways. Mr. Hurd will discuss Fairfax County's recently approved permit and highlight key differences from the previous permit.

**11:25 A.M. 4. MANAGED AQUIFER RECHARGE PROGRAM (MM#5)**

*Christopher Murphy, Anne Arundel County*

Mr. Murphy will provide an overview of Anne Arundel County's Managed Aquifer Recharge Project. The project includes assessing the feasibility of using a carbon-based treatment system, an advanced water treatment pilot at the Patuxent Water Reclamation Facility. Mr. Murphy will provide an overview of the project, progress the county has made and legislation being developed that would expand technologies and approaches local governments could utilize to increase water supply resiliency.

Action: Receive briefing

**11:45 A.M. 5. MEMBER UPDATES (MM#6)**

Members will be asked to share any relevant program updates or upcoming meetings of interest to the WRTC members.

**11:50 A.M. 5. COG STAFF UPDATES (MM#7)**

*COG Staff*

*FY 2025 proposed Regional Water Resources Work Program and Budget, Steve Bieber*

**12:00 P.M. 6. ADJOURN**

Meeting Materials

MM#1 – WRTC Agenda March 1, 2024

MM#2 – Effectiveness of the Unified Stormwater Sizing Criteria (USC) in Protecting Channel Stability PPT – Tess Thompson, Virginia Tech

MM#3 – District of Columbia MS4 Update PPT – Matt Gallagher, D.C.

MM#4 – Fairfax County MS4 Update PPT – Marty Hurd, Fairfax County

MM#5 – Managed Aquifer Recharge Program – Christopher Murphy, Anne Arundel County

MM#6 – Member Updates

MM#7 – COG Staff Updates

