



Meeting Minutes
Wastewater Treatment Workgroup (WWTWG) Teleconference
Tuesday, May 7, 2018, 10:00 AM – 12:00 PM

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Summary of Actions and Decisions:

Decision: The March meeting minutes were approved.

Action: Isabella Bertani and Gary Shenk will make the data used in the CSO and climate change analysis available to the WWTWG.

Action: Michelle will reach out to WQGIT members to discuss WQGIT governance procedures as a model for WWTWG governance at an upcoming WWTWG call.

10:00 AM **Welcome, Introductions, and Announcements** — Ed Dunne (Chair)

Decision: The March meeting minutes were approved.

10:10 AM **Discussion of CSO Projections under Climate Change** – Isabella Bertani, UMCES, and Gary Shenk, USGS

Isabella and Gary discussed recent Modeling Team findings regarding changes to projected future CSO events due to climate change. There is a CSO model that is responsive to climate inputs. However, general WWTP effects from climate change will not be assessed.

Discussion:

- Matt Richardson: The CSO layer on the Phase 6 land use model viewer is no longer available. Will that layer be back up soon? This is for CSOs in MD regulated areas.
 - Isabella Bertani: MD provided some updated data, so that may be updated soon but we will check.
- Ed Dunne: There is a 2% increase in CSO volume per year. Where does that increase come from? Is that from precipitation?
 - Bertani: The precipitation is aggregated per month, so the increases are per month. I don't know whether the increases in precipitation are seasonal, like for spring rains, but we can look into that.
- Robin Pellicano: MDE is interested in the actual data that was used to create this presentation. Can we access that raw data for these facilities?

- Bertani: Certainly, we can provide you that raw data. That would also be good for us to do a check on the data. Gary can connect us to get you that data.
- Dunne: Would other jurisdictions be interested in seeing the data? Is there a way to distribute this to the whole workgroup for those interested in seeing the raw data?
- Bertani: Absolutely.

Action: Isabella Bertani and Gary Shenk will make the data used in the CSO and climate change analysis available to the WWTWG.

10:50 AM **Wastewater Treatment Aspects of the Draft Phase III WIPs** – Ed Dunne, DOEE

Ed facilitated a round-robin for jurisdiction leads to discuss wastewater aspects of their jurisdictions' draft Phase III WIPs, submitted April 19.

Discussion:

- Ed Dunne: Most wastewater information for DC is in the third chapter of the draft WIP. Over 80% of the N load is associated with wastewater, and over 50% of the P loads are from wastewater—wastewater is a significant aspect of the DC WIP. DC has one significant facility, DC Water, and we have about 10 non-significant facilities that are regulated under NPDES permits.
- Dave Montali: I am volunteering for Megan Browning for WV. All WV's significant facilities have installed all necessary technology to meet their WLA under the TMDL. For non-significant facilities, we updated our data inventories of nonsignificant facilities and present loads. Between 2018 and 2025, we will maintain compliance with significant facilities, and plan for growth beyond the design flow.
- Dunne: Has the workgroup discussed planning for growth out to 2025, and would that discussion be of use to the group?
 - Montali: For WV, when WWTPs reach 90% of design flow, they are required to submit reports and implement solutions to accommodate design flow increases. For the TMDL, we will have to focus on technology to reduce concentration to offset increased flows.
 - Matt Richardson: We are coordinating a wastewater infrastructure initiative with VA DEQ. We are also proposing a technology-based regulation for municipal WWTPs to meet far-reduced concentrations of N and P, and that is going through an extensive stakeholder review process.
- Ray Tighe: There was a septic pump-out program, and a tax exemption for large onsite systems that use N-reduction technology.
- Montali: For the VA reps on technology-based regulations, that will apply to significant facilities—what is the definition of significant facilities?
 - Richardson: That depends on tidal vs nontidal, but we do have definitions.
 - Montali: what funding will be available for these upgrades?
 - Richardson: It's fluid right now, but there might also be opportunities to finance this through the trading program in VA. Regulations are either exempt or nonexempt. It will probably be a couple years before this regulation goes into effect. We have not even

issued a notice of intent for regulatory action yet. This was proposed in the WIP but getting there will be a long journey.

- Robin Pellicano: MD's draft WIP is separated into the main body and many appendices. Appendix B contains strategies by sector. There are 11 wastewater strategies. Enhanced nutrient removal (ENR) upgrades will continue for significant facilities through 2022. Upgrading several nonsignificant facilities, to have 11 done by 2025. We incentivize performance through grants to facilities that discharge at concentrations below permit requirements. We have strategies for non-significant and industrial facilities to reduce loads to targets. We are working with facilities that are interested in generating nutrient credits to encourage nutrient trading in MD.
- Cassandra Davis: NY cleaned up the input deck for non-significant facilities. We updated permit limits for our significant facilities. For smaller facilities, we have funding and maintenance assistance for technology-based upgrades.
- Wade Cope: I haven't been involved in PA's wastewater aspects of the WIP, but I can connect you to people who do if you have questions.
- Dunne: Would the workgroup like to see further discussion on aspects of the WIPs going forward? Such as planning for growth, financing, etc?
 - Dunne: for planning for growth, Michelle and I might discuss briefing topics and discussion items to bring to the WWTWG.

11:20 AM **Review and Update of WWTWG Membership List** – Ed Dunne, DOEE

The workgroup reviewed the current membership list and consider any needed updates or changes to the membership.

- John Rebar is the primary member for DE. The DE alternate is Ping Wang. Jack Hayes is retiring from DNREC.
- Cassandra Davis will be the alternate for NY.
- Wade Cope is primary member for PA. Pat Walsh is the PA alternate (EDIT—Maria Schumack will be the alternate for PA).
- Allan Brockenbrough asked to have an agenda item on governance—an orientation for the workgroup, with all the workgroup turnover.
 - Michelle Williams suggested reaching out to WQGIT leads to discuss WQGIT membership and governance procedures as a model for the WWTWG to consider.

Action: Michelle will reach out to WQGIT members to discuss WQGIT governance procedures as a model for WWTWG governance at an upcoming WWTWG call.

11:45 AM **Adjourned**

Call Participants:

Ed Dunne, DC DOEE

Michelle Williams, CRC

Rashid Ahmed, NYS DEC
Cassandra Davis, NYS DEC
Wade Cope, PA DEP
Robin Pellicano, MDE
Jack Hayes, DNREC
Matt Richardson, VA DEQ
Ray Tighe, VDH
Dana Hales, Region III
Gary Shenk, USGS
Bryan Ashby, DNREC
Doug Austin, EPA CBPO
Isabella Bertani, UMCES
Vic D'Amato, TetraTech
Dave Montali, TetraTech
Jeff Sweeney, EPA CBPO
Megan Thyng, EPA CBPO