2019 in Review

Annual Meeting 13 November 2019
Workgroups

- Contaminants of Emerging Concern
- Urban and Industrial Issues
- Agricultural Issues
- Reaching Out
- Water Quality
- Early Warning & Emergency Response
- Utility Committee
- Government Partners Committee
Contaminants of Emerging Concern

Martin Chandler, WSSC
Pat Bowling, PA DEP
Cathy Magliocchetti, EPA
2019 Highlights

• Tracking UCMR4 data from periodic updates released by USEPA from the NCOD database.
• Tracking PFAS legislation and regulation, as well as limited occurrence data (information on potential sources within the basin is being developed in Water Suite).
• Participated with MWCOG on developing talking points for responding to public inquiries.
• Monitoring news and research on microplastics (an intermittent or infrequent activity only).
• Following news and reports of Harmful Algal Blooms, including one in the Potomac River.

2020: Continued focus on UCMR4, PFAS and HABs
Urban and Industrial Issues

Greg Prelewicz, Fairfax Water
2019 Highlights

Support and Coordination with MWCOG Water Sector Program

1. Provided new information/updates into WaterSuite database
   • Maryland Tier 2s
2. Initiated PFAS Source Inventory Project

Deicing/Winter Chemicals

1. Participation in Virginia DEQ Salt Management Strategy Workgroups
2. Research and tracking; regional event (MWCOG April Workshop)

Review NPDES discharge renewals/permit applications/issues

1. Requested and discussed 7 draft permits: Rockwool Insulation Plant, Brook Lane Mental Health, Mt. Storm/Virginia Power, U.S. Silica, Ox Paperboard, Potomac North, Verso Luke
2. Coordination of comments and responses
3. MDE presentation at May meeting to discuss MD CSOs and reporting
2020: Continued work towards short-term goals and objectives laid out in the strategic plan

- Investigate and report on trends of urban and industrial areas in the Potomac River basin.
- Monitor, review and comment on applicable NPDES or equivalent state discharge permit renewals to advise regulators about drinking water source water concerns and impacts.
- Continue to gather and track information about urban and industrial sites in the basin and communicate with Partnership members.
- Prioritize communities or other urban and industrial stakeholders with whom to begin a dialogue on source water protection issues. These should be identified based on proximity, density, potential for protection, potential for contamination, or other parameters.
- Investigate best management practices regarding the use of deicing / winter maintenance chemicals.
- As applicable, track all information related to facilities of significance using the WaterSuite Source Water Protection GIS tool.
Agricultural Issues

2019 Workgroup Objectives

• Understand where we can make a difference.
• Identify and collaborate with other standing groups.
• Leverage activities of other organizations and programs.
• Bring money through funding pathways.
Leverage Opportunities from 2018 Farm Bill

• Develop Relationships. Establish contacts and initiate dialogue with State Conservationists and State Technical Committees.

• Understand the Process. Determine how the states will implement Farm Bill directive to prioritize drinking water sources.

• Initiate Dialogue. Presentations on Source Water Protection to STCs (VA, MD), collaborative development of priorities (MD), and following the discussion (WV, PA).
Excellent Workgroup Collaboration and Participation!

- Over 20 active workgroup members
- Collaboration between federal, state, utility members and guests (3 conference calls + individual follow-up)
- Meetings with State Conservationist and State Ag Dept (2+ calls, 2 meetings)
- Attendance at State Technical Committee Meetings - all 4 states
- Attendance at Local District Meetings – Montgomery County
- Invited presentations at several state meetings
Example Criteria for Prioritizing Surface Water Intakes

Agricultural factors:
- Percent Crop Cover
- Percent Pasture Cover
- Animal Density

Water Quality Parameters
- Sensitivity to Pathogens
- Sensitivity to DBPs
- Sensitivity to Nutrients
Map used in collaborative prioritization effort.
Reaching Out Workgroup - ROW

Lisa Ragain, MWCOG
John Deignan, DC Water
Renee Bourassa, ICPRB
Reaching Out Workgroup Activities

2019
• Identify potential DWSPP members and recruit
• Content for other workgroup focus
  • PFAS
• Virginia Forests & Drinking Water Forum
• Promotional materials

2020
• Annual Report
• Distribute DWSPP invitations
• Promo Bookmark
• Emerging Contaminant FAQs
• Member assistance as needed
Early Warning & Emergency Response

Joel Thompson, Fairfax Water
2019 Highlights

• Collaborated with the Water Quality Workgroup:
  • Completed updates to the Utility Spill Response Plan.
  • Updated the protocols to upload information on the Spills.io website.
  • Organized an online Potomac Spills Groups.io Protocols exercise that was a quasi-spill exercise.
  • Compiled parameters being measured on the Potomac including online instruments

• Collaborated with the Water Security Workgroup (COG) to identify USGS parameters being measured

2020

• Identify the need and timing for another tabletop spill exercise
• Work with GenOn to determine the feasibility to deploy a boom near Whites Ferry and then to attempt another exercise. Identify funding.
• Identify alarm parameters for online instrumentation.
Water Quality

Niffy Saji, Fairfax Water
2019 Highlights

• Updated the DWSPP Utility Spill Response Plan (Plan)
  o The Plan was updated on June 2019 and available on the DWSPP website (https://www.potomacdwspp.org/about-us/water-quality-data-workgroup/#spill)

• Currently updating the spreadsheet containing information on utility specific water quality monitoring
2020:

• Maintain DWSPP Utility Spill Response Plan:
  o Participate and support Spill Exercises
  o Periodically update the Spill Response Plan to reflect the changing needs of the utilities.

• Explore timely water quality issues and develop an understanding of possible sources of contamination.

• Continue to participate in webinars and workshops on water quality issues.

• As appropriate, sponsor an information session on water quality issues.

• Maintain an updated spreadsheet containing information on utility specific water quality monitoring.

• Support DWSPP projects related to water quality issues.

• Update the HAB Monitoring Information
Utility Committee
Priscilla To, WSSC
Joel Caudill, WSSC

Government Committee
Karrie Crumlisch, EPA
Region 3
DWSPP 2020 Priorities

- Develop a relationship with the Natural Resources Conservation District.
- Contact facilities that pose a high source water contamination risk.
- Implement improvements to regional response, including planning spill response exercises throughout the basin.
- Develop a work plan to address issues related to contaminants of emerging concern.
- Hold stakeholder meetings to further develop collaborative source water protection efforts.

Renee Bourassa, ICPRB