

**Microbial and Disinfection Byproducts (MDBP)
Rule Revisions Working Group**
Meeting 2 Agenda

Agenda

August 17, 2022: 11:00am-6:00pm ET

Purpose:

- Endeavor to create common understanding of the current regulatory framework related to the Surface Water Treatment Rules (SWTRs)
- Provide an inventory of Public Water Systems (PWSs) subject to the SWTRs
- Establish agreement with the proposed scope and content of the overall problem characterization related to the Working Group's mission
- Begin problem characterization discussions on opportunistic pathogens and disinfectant residuals

Advanced Meeting Materials

- Regulatory framework and problem characterization tables
- Two-page documents on opportunistic pathogens and disinfectant residuals
- Other materials (e.g., additional two-pagers, background materials and/or videos definitions sheet)

Day of Materials

- Presentation

11:00 AM Segment 1: Agenda Review & Meeting Procedures

(15 MIN)

- Welcome
- Opening Remarks
- Facilitator Agenda Review

Elizabeth Corr (U.S. EPA, DFO), Eric Burneson (U.S. EPA, OGWDW)

WG Co-Chairs: Lisa Daniels, Andy Kricun

Rob Greenwood (Ross Strategic)

11:15 AM Segment 2: Regulatory Framework Related to Surface Water Treatment Rules

(75 MIN)

Presentation:

- Summarize regulatory framework related to the Surface Water Treatment Rules (SWTR) (Table 1) and WG input
- Provide an inventory of Public Water Systems (PWSs) subject to the SWTR

Richard Weisman (U.S. EPA OGWDW), Rob Greenwood (Ross Strategic)

Discussion:

- Clarifying Questions
- Are there further features or aspects of the rules that you would like to highlight for WG consideration?
- Are there other aspects of the SWTR regulatory framework you'd like to learn more about?

Facilitated discussion with MDBP WG Members

12:30 PM Break (30 Minutes)

1:00 PM Segment 3: Problem Characterization Scope, Content, and Approach

(60 MIN)

Presentation:

- Summarize Problem Characterization (Table 2) and WG input
- Problem exploration approach

Rob Greenwood (Ross Strategic)

Discussion

- Clarifying Questions
- Do you have additional areas to include as part of the problem characterization (Table 2)?
- Which of these problem areas are of most interest to you and why?
- Are there any refinements to the problem exploration approach that will be helpful?

Facilitated discussion with MDBP WG Members

2:00 PM Segment 4: Problem Characterization on Opportunistic Pathogens

(90 MIN)

Presentation: Problem Characterization Specifics on Opportunistic Pathogens

- Residual unaddressed or newly emergent health risks
- Occurrence of opportunistic pathogens in drinking water
- Growth of opportunistic pathogens in drinking water value chain

Ken Rotert (U.S. EPA OGWDW), Jasen Kunz (CDC), Rob Greenwood (Ross Strategic)

Discussion

- Clarifying questions
- What additional information will be helpful to further understand opportunistic pathogen related problems?
- Within the drinking water value chain, what do you believe are the most prominent root causes?
- Given the information in front of you today, how do you perceive the magnitude of the public health concern?
- What degree of certainty do we have regarding root causes and magnitude of the problem?

Facilitated discussion with MDBP WG Members

3:30 PM Break (30 Minutes)

4:00 PM **Segment 5: Problem Characterization on Disinfectant Residuals (DR)**

(75 MIN)

Presentation: Problem Characterization on Disinfection Residuals

- Characterization of what levels of DRs are maintained according to the regulatory compliance data (organized by system size, type, type of disinfectant used, etc.)
- Relationship of DRs to microbial indicators (indicating what levels appear to be ineffective in microbial indicator control)

Richard Weisman (U.S. EPA
OGWDW), Chad Seidel (Corona), Rob
Greenwood (Ross Strategic)

Discussion

- Clarifying Questions
- What additional information will be helpful to further understand disinfection residual related problems?
- How widespread are problems with maintaining disinfectant residual levels that are adequately protective against opportunistic pathogens?
- What is your sense of the importance of problems related to inadequate disinfectant residuals versus other factors that contribute to opportunistic pathogen growth (e.g., accumulation of sediments)?
- Within the drinking water value chain, what do you believe are the most prominent root causes (what challenges exist for PWSs to be able to maintain these levels)?
- How can disinfectant residual data compared to the presence of microbial indicators be used to inform control of opportunistic pathogens while considering other distribution system water quality factors (e.g., differing growth conditions, sediment accumulation, high water age)?

Facilitated discussion with MDBP WG
Members

5:15 PM **Segment 6: Meeting 3 Agenda & Next Steps**

(45 MIN)

Presentation: Proposed Meeting 3 Topics

- Opportunistic Pathogens and Disinfection Residuals (cont.)
- DBPs

Co-Chairs, Ryan Albert (U.S.EPA
OGWDW), Rob Greenwood (Ross
Strategic)

Discussion

- Do you have additions or refinements to the proposed topics?
- What background materials, presentations, or other resources will be helpful to you to prepare for the Meeting 3 discussions?
- Mindful of time and resource limitations prior to the next meetings, what supplemental technical analyses would you like on the topics to help inform discussions?

Facilitated discussion with MDBP WG
Members

- Next Steps Review
- Meeting Closure

Rob Greenwood (Ross Strategic)
Lisa Daniels, Andy Kricun, Elizabeth
Corr (U.S. EPA, DFO)