

# Microbial and Disinfection Byproducts Rule Revisions Working Group

Meeting 10: September 14, 2023, 11:00am-6:00pm ET





# **WELCOME**

**Rob Greenwood, Ross Strategic**

**Elizabeth Corr, DFO, U.S.EPA OGWDW**

**Yu-Ting Guilaran, Deputy Office Director, U.S. EPA OGWDW**



# **OPENING REMARKS**

**Lisa Daniels & Andy Kricun, WG Co-Chairs**

# Segment 1: Agenda Review & Meeting Procedures



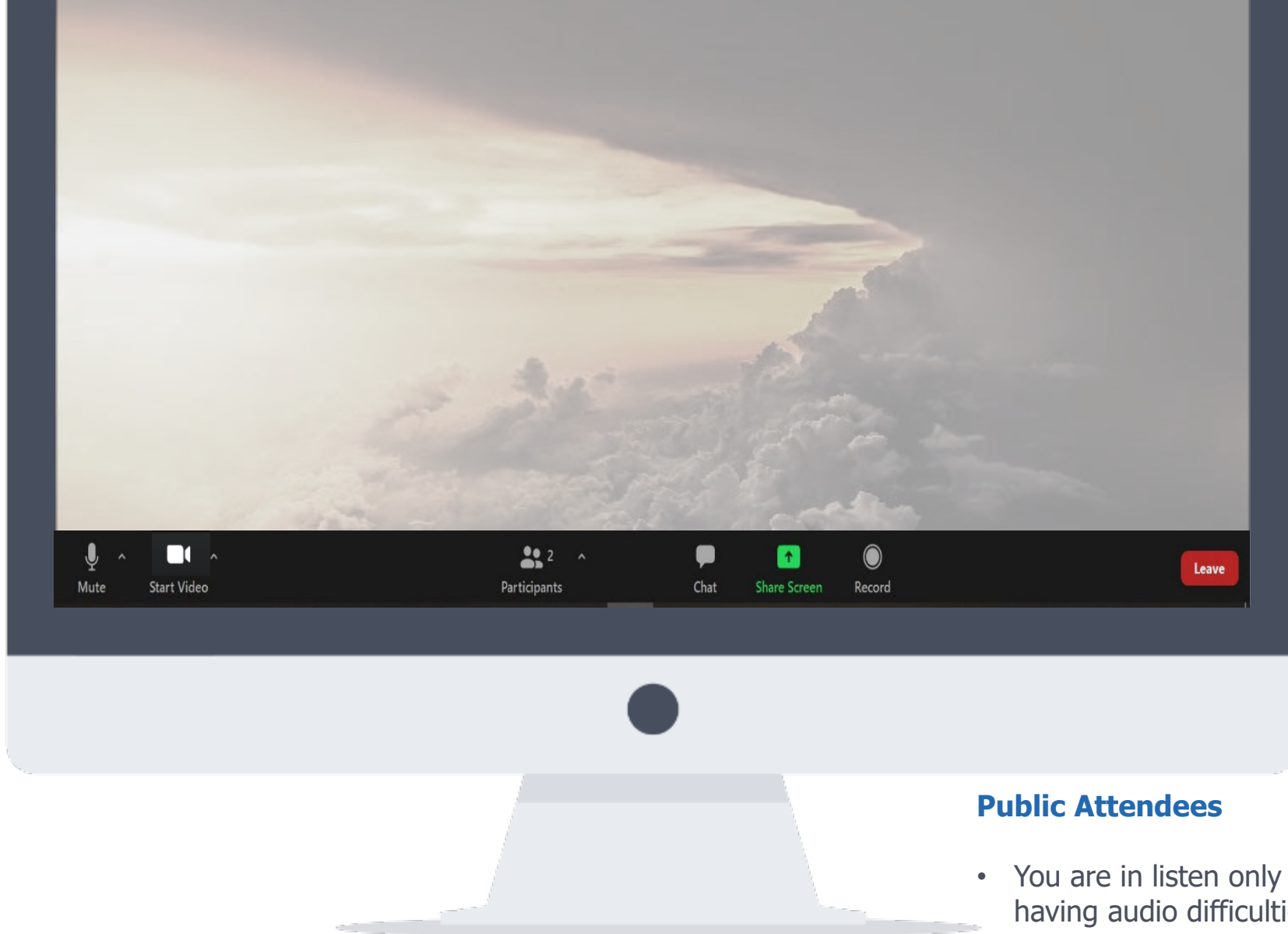
# Today's Virtual Meeting: Zoom Controls

This meeting is **not** being recorded



The Zoom menu bar appears at the bottom of the Zoom window once the meeting begins.

*If you don't see the menu bar, move your mouse slightly and the bar will appear.*



## Public Attendees

- You are in listen only mode and will not be able to unmute. If you are having audio difficulties send an email to [taner.durusu@cadmusgroup.com](mailto:taner.durusu@cadmusgroup.com)
- Any comments you may have can be sent to [MDBPRevisions@epa.gov](mailto:MDBPRevisions@epa.gov) or to Public Docket: [www.regulations.gov](http://www.regulations.gov) / Docket ID Number: EPA-HQ-OW-2020-0486

# EPA AND FACILITATION TEAM



**Eric Burneson**  
EPA OGWDW, Standards  
and Risk Management  
Division Director



**Crystal Rodgers-  
Jenkins**  
EPA OGWDW,  
Associate Director,  
Standards and Risk  
Management Division



**Ryan Albert**  
EPA OGWDW, Chief  
Standards and Risk  
Management Division



**Ken Rotert**  
EPA OGWDW



**Rich Weisman**  
EPA OGWDW



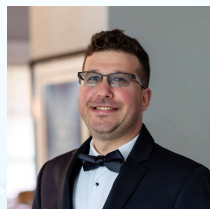
**Rob Greenwood**  
Ross Strategic



**Sarah Faust**  
Ross Strategic



**Dana Stefan**  
Ross Strategic



**Leeland Gotlieb**  
Cadmus



**Erin Mateo**  
Cadmus



**Taner Durusu**  
Cadmus



**Christine DeRieux**  
Cadmus

# Today's Agenda

**11:00-12:30**

- Segment 1: Agenda Review and Meeting Procedures
- Segment 2: Review Draft Recommendations
- Segment 3: DBP Centric Recommendations

15 Minute Break (12:30-12:45 pm ET)

**12:45-1:45**

- Segment 3: DBP Centric Recommendations, Cont.

60 Minute Lunch Break (1:45-2:45 pm ET)

**2:45-4:30**

- Segment 3: DBP Centric Recommendations, Cont.

15 Minute Break (4:30-4:45 pm ET)

**4:30-6:00**

- Segment 4: Environmental Justice
- Segment 5: Consecutive Systems and Unaddressed Areas
- Segment 6: Next Steps



# Segment 2: Review Draft Recommendations

Facilitated Discussion



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AND DRINKING WATER

# Our Schedule

- M10 – September 14 – Emergent WG Recommendations
- M11 – October 5 – WG Draft Report
- NDWAC Briefing – October 11 – PPT presentation and discussion
- M12 – October 31 – WG Final Draft Report
- WG Final Report – mid November (possible contingency meeting)
- NDWAC Meeting – November 28, 29, 30 – review and prepare NDWAC recommendations to EPA
- NDWAC Report to EPA – December 15

## September 14 to October 5 Process

- Assemble first draft of WG report – Target to Group: September 25 – 28
- Sourcing work will continue
- Check ins on recommendation status
- R12 feedback

# WG Recommendations and NDWAC Charge Areas

## WG Emergent Recommendations

- R1: Disinfectant Residual
- R2: Premise Plumbing
- **R3: DBP Data and Analysis Gaps – MCLs**
- **R4: Source Water Evaluation and Precursor Control**
- R5: Storage Tanks
- **R6: Chloramination**
- **R7: Consecutive Systems**
- R8: Source Control
- **R9: Environmental Justice**
- R10: PWS TMF Capacity
- R11: Primacy Agency Capacity
- R12: Overall MDBP Data and Analysis Gaps

## NDWAC Charge Areas

- Advancing public health protection while balancing the risks of microbial control with managing disinfection byproduct formation.
- Addressing public health concerns caused by opportunistic pathogens (e.g., Legionella), disinfection byproducts (e.g., unregulated haloacetic acids), and possibly other emerging contaminants.
- Addressing implementation challenges to reduce the burden of existing MDBP regulations while maintaining or enhancing public health protection.
- Ensuring efficient simultaneous compliance with other drinking water regulations when implementing any proposed revisions to the MDBP rules.
- Additional potential non-regulatory approaches that may improve public health protection from the contaminants under consideration.
- Opportunities to advance environmental justice in regulatory revisions to equitably protect consumers' health, particularly disadvantaged and historically underserved consumers.

# WG Recommendations and NDWAC Charge Topics

## WG Emergent Recommendations

- R1: Disinfectant Residual
- R2: Premise Plumbing
- **R3: DBP Data and Analysis Gaps – MCLs**
- **R4: Source Water Evaluation and Precursor Control**
- R5: Storage Tanks
- **R6: Chloramination**
- **R7: Consecutive Systems**
- R8: Source Control
- **R9: Environmental Justice**
- R10: PWS TMF Capacity
- R11: Primacy Agency Capacity
- R12: Overall MDBP Data and Analysis Gaps

## NDWAC Consensus Recommendation Topics

- Disinfectant residuals and opportunistic pathogens
- Regulated and unregulated DBPs
- Finished water storage facilities
- Distribution system water quality management
- Source water approach, including DBP precursor removal
- **Mischaracterized ground water under the direct influence of surface water (GWUDI) systems**
- Sanitary Surveys
- Water Safety Plans
- Consecutive and small systems

# For Today

1. Please problem solve – if you can't support, propose an alternative – and be specific
2. Consensus – reach to the experience, needs, and interests of other WG members
3. Alternative perspectives – will bring focus, consistent with WG procedures, to documenting for inclusion in the final report at and after October 5<sup>th</sup> meeting
4. Straw Polling: The levels of support are: Full, Substantial, Strong, Limited, and Little to None. Full indicates all members in favor, Substantial = all but one to three members in favor, Strong = a majority of members in favor, Limited = less than a majority in favor, Little or None = three or fewer members in favor
5. Technical Analysts – with us today as a resource – encouraged to join the discussion
6. Two sets of comments received from WG members – those comments incorporated into draft material we will review today
7. Please be succinct - today, and from here forward, we will have substantial time pressure
8. Reminder that each WG member invited to submit up to three pages of attributed comments for inclusion in the WG final report – due no later than November 6<sup>th</sup>.

# Segment 3: DBP Centric Recommendations

Facilitated Discussion



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# 15 Minute Break

12:30-12:45 pm ET

# Segment 3: DBP Centric Recommendations, cont.

Facilitated Discussion



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# 60 Minute Lunch Break

1:45-2:45 pm ET

# Segment 3: DBP Centric Recommendations, cont.

Facilitated Discussion



# Segment 4: Environmental Justice

Facilitated Discussion



# 15 Minute Break

4:15-4:30 pm ET

# Segment 5: Consecutive Systems and Unaddressed Areas

Facilitated Discussion



# Segment 6: Next Steps

Rob Greenwood, Ross Strategic



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# Next Steps

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The background of the slide is a high-quality photograph of water. The top portion shows a wavy surface with several large, clear bubbles. Below the surface, the water is a deep blue color, and numerous smaller bubbles are scattered throughout, some appearing to rise or fall. The lighting is bright, creating highlights on the water's surface and within the bubbles.

# **CLOSING REMARKS**

**Working Group Co-Chairs Andy Kricun and Lisa Daniels**



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# **MEETING CLOSURE**

**ELIZABETH CORR, U.S.EPA, DFO**