



13th Annual U.S. EPA Drinking Water Workshop

Small Drinking Water Systems: Challenges and Solutions

August 23-25, 2016 • Hyatt Regency Cincinnati • Cincinnati, OH

Sponsored by the U.S. Environmental Protection Agency (EPA)
in cooperation with the Association of State Drinking Water Administrators (ASDWA)

Final Agenda

(Subject to change)

Tuesday, August 23, 2016		
7:45 am	Registration (Regency Ballroom Foyer – Third Floor)	
8:30 am	Regency ABC Ballroom Welcome and Introduction <i>Cynthia Sonich-Mullin, EPA's Office of Research and Development (EPA-ORD)</i>	
9:00 am – 12:00 pm	Session 1: Opening Session <i>Moderator: Jim Taft, ASDWA</i>	
9:00 am	Keynote Address <i>Thomas Burke, Ph.D. (EPA-ORD)</i>	
9:30 am	Next Steps Being Taken on the Lead and Copper Rule (LCR) and the Future of the National Drinking Water Program <i>Peter Grevatt, Ph.D., EPA's Office of Water (EPA-OW)</i>	
10:00 am	Break	
10:30 am	PFOA/PFOS Health Advisories: Implementation and Messaging <i>Tyson Ingels, Colorado Department of Public Health and Environment</i>	
11:00 am	National Toolkit for <i>Legionella</i> Control in Building Water Systems <i>Chris Edens, Ph.D., Centers for Disease Control and Prevention</i>	
11:30 am	Implementing the Revised Total Coliform Rule (RTCR) – Minnesota's Approach for Noncommunity Systems <i>Chris O'Brien and Paul Felling, Minnesota Department of Health</i>	
12:00 pm	Lunch (on your own)	
1:30 pm – 3:00 pm	Regency A Session 2A – Distribution Systems I: Lead Challenges and Recommendations <i>Moderator: Jeffrey Kempic, EPA-OW</i>	Regency BC Session 2B – Monitoring and Treatment I: Emerging Contaminants <i>Moderator: Greg Carroll, EPA-OW</i>
1:30 pm	EPA's Optimal Corrosion Control Treatment Technical Recommendations Document and Implementation Perspectives <i>Michael Finn, P.E., EPA-OW</i>	Unregulated Contaminant Monitoring Rule (UCMR3) and Lessons Learned <i>Michael Brinkmiller, EPA-OW</i>
2:00 pm	Water Quality Challenges in Flint, Michigan: A Chronology and Contributing Factors <i>Darren Lytle, Ph.D., EPA-ORD</i>	PFOA and PFOS: Treatment and Analytics <i>Thomas Speth, Ph.D., EPA-OW and Jody Shoemaker, Ph.D., EPA-ORD</i>
2:30 pm	Performance and Challenges of Point of Use Devices for Lead Removal <i>Michael Schock, EPA-ORD and Tom Spoden, Water Quality Association</i>	Current EPA Methods for the Analysis of Cyanotoxins in Finished Drinking Water <i>William Adams, Ph.D., EPA-OW</i>

Tuesday, August 23, 2016 (continued)

3:00 pm	Break	
3:30 pm – 5:00 pm	Regency A Session 3A – Distribution Systems II: Lead Service Lines <i>Moderator: Victoria Banks, EPA-OW</i>	Regency BC Session 3B – Monitoring and Treatment II: Harmful Algal Blooms and Cyanotoxins <i>Moderator: Michelle Latham, EPA-ORD</i>
3:30 pm	Enhanced LCR Implementation <i>Brandon Bowman, Oklahoma Department of Environmental Quality</i>	Algal Toxin Removal Capabilities of Common Treatment Processes <i>Nicholas Dugan, EPA-ORD</i>
4:00 pm	Incentivizing and Enhancing Lead Line Replacement <i>Jeff Swertfeger, Greater Cincinnati Water Works</i>	Support Tools to Reduce Cyanotoxin-Related Risks in Drinking Water <i>Ryan Albert, Ph.D., EPA-OW</i>
4:30 pm	Lead Service Line Replacement Program <i>Randall Roost, Lansing Board of Water and Light</i>	Source and Finished Water Monitoring Options and Their Limitations and Benefits <i>Heather Raymond, Ohio EPA</i>
5:00 pm	Adjourn	
7:10 pm	Optional Cincinnati Reds vs. Texas Rangers (Great American Ball Park)	

Wednesday, August 24, 2016

8:00 am	Registration (Regency Ballroom Foyer – Third Floor)	
8:20 am	Regency BC Instructions for Sessions 4 and 5	
8:30 am – 10:00 am	Session 4 – Ask the Experts and Posters	
	Posters (Located in Regency A and Regency BC)	
	Experts 1: RTCR	Experts 4: CCL/UCMR/Health Advisories
	Experts 2: LCR and Corrosion Control	Experts 5: Inorganics
	Experts 3: Pathogens and Biofilm	Experts 6: Disinfection and Disinfection Byproducts
10:00 am – 12:00 pm	Session 5 – Breakout Group Discussions	
	Group 1 – RTCR: How are states and water systems preparing to implement the RTCR?	Group 4 – Algal Toxins: How are states and water systems handling treatment for algal toxins?
	Group 2 – Lead: How are states and water systems dealing with lead contamination and lead service line replacement?	Group 5 – New Technology Approval: What are the barriers to approval of new treatment technologies?
	Group 3 – Health Advisories: How are states and water systems implementing health advisories in the field?	Group 6 – Communication: How can communications between the states and between EPA and the states be improved?
12:00 pm	Lunch (on your own)	

Wednesday, August 24, 2016 (continued)		
1:30 pm – 3:00 pm	Regency A Session 6A – Distribution Systems III: Pathogens and Biofilm <i>Moderator: Darrell Osterhoudt, ASDWA</i>	Regency BC Session 6B – Monitoring and Treatment III: Inorganics <i>Moderator: Darren Lytle, Ph.D., EPA-ORD</i>
1:30 pm	Monochloramine Systems for Large Buildings <i>Colin White, University of Cincinnati (Contractor to EPA-ORD)</i>	Multiple Contaminant Removal by Ion Exchange and Reverse Osmosis <i>Thomas Sorg, EPA-ORD</i>
2:00 pm	Louisiana’s Disinfection Rule – The Current State of Affairs <i>Steven Joubert, Louisiana Department of Health</i>	Fluoride Removal with Activated Alumina <i>Bill Reid, Axens North America</i>
2:30 pm	Ohio’s Approach to Addressing <i>Legionella</i> in Drinking Water <i>Ohio EPA Southwest District Office Representative</i>	Controlling Manganese in Treatment Plants and Distribution Systems <i>Philip Brandhuber, Ph.D., HDR Engineering</i>
3:00 pm	Break	
3:30 pm – 5:00 pm	Regency A Session 7A – Distribution Systems IV: Disinfection and Disinfection Byproducts <i>Moderator: Michael Finn, P.E., EPA-OW</i>	Regency BC Session 7B – Monitoring and Treatment IV: Analytics and Tools <i>Moderator: Thomas Speth, Ph.D., EPA-OW</i>
3:30 pm	Implementation of Stage 2 DBPR Efforts to Reduce DBPs <i>Turner Morrison, North Carolina Department of Environmental Quality</i>	Tools for Small Systems to Evaluate and Select Appropriate Treatment Technologies <i>Bill Hogrewe, Ph.D., Rural Community Assistance Program (RCAP)</i>
4:00 pm	How to Best Manage and Maintain Chlorine Residual <i>Jonathan Pressman, Ph.D., EPA-ORD</i>	UCMR3 Virus Monitoring <i>Sandhya Parshionikar, Ph.D., EPA-ORD</i>
4:30 pm	Effects of Raising Minimum Chlorine Residuals on DBPs <i>Damon Roth, Environmental Engineering & Technology, Inc.</i>	Hydraulic Modeling, SCADA Data, and Analytics to Enhance Distribution System Operations <i>Regan Murray, Ph.D. and Robert Janke, EPA-ORD</i>
5:00 pm	Adjourn	

Thursday, August 25, 2016

8:00 am	Registration (Regency Ballroom Foyer – Third Floor)
8:30 am – 10:00 am	Regency ABC Ballroom Session 8 – Crosscutting Issues of Concern <i>Moderator: Jim Taft, ASDWA</i>
8:30 am	National Centers for Innovation in Small Drinking Water Systems: WINSSS Status Report <i>Bruce Dvorak, Ph.D., University of Nebraska</i>
9:00 am	National Centers for Innovation in Small Drinking Water Systems: DeRisk Center Status Report <i>Chad Seidel, Ph.D., University of Colorado Boulder</i>
9:30 am	Overview of Current Actions <i>Scott Randall, NSF International</i>
10:00 am	Break
10:15 am – 11:30 am	Session 9 – Workshop Wrap-up <i>Moderator: Thomas Sorg, EPA-ORD</i>
10:15 am	Reports of Breakout Groups (10 minutes discussion on each topic)
11:15 am	Closing
11:30 am	Adjourn
1:00 pm – 2:30 pm	Optional Tour of EPA’s Andrew W. Breidenbach Environmental Research Center (Meet at 11:30 am in Regency BC for instructions)