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OESAC CEU Committee
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Dear members of the CEU Committee:

Please consider this request for your approval of Misc. Water Industry Webcasts Spring 2026 Webcasts for 0.5 CEU's.

DATE	WIW Spring 2026 Webcasts	CEU's: 0.5
4/7/26	Water Research Foundation Webinar: Back to the Future: Adaptive Water Supply Planning	0.1
4/16/26	Water Research Foundation Webinar: Guidance for Orthophosphate-Based Corrosion Inhibitor Treatment	0.1
4/28/26	Water Research Foundation Webinar: Evolution and Characterization of Water Quality in Quarry Lakes	0.1
5/7/26	Water Research Foundation Webinar: Pioneering Practices, Experiences, and Lessons Learned	0.1
6/18/26	Water Research Foundation Webinar: Managing Prestressed Concrete Cylinder Pipe (PCCP) to Extend Asset Life	0.1

Thank you in advance for your consideration.

Respectfully,

Averí Tegethoff
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Enclosures:

1. Letter of request to review
2. PWB Webcast Summaries and Speaker Bios

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Spring 2026 WIW Webinars

Water Research Foundation Webinar: Back to the Future: Adaptive Water Supply Planning

April 7, 2026

Overview:

How can water utilities plan confidently when the future is anything but certain? This webcast will focus on results from The Water Research Foundation's project 5184, Back to the Future: Guidance for Adaptive and Scenario Supply Planning Approaches. The presenters will explore scenarios and adaptive planning approaches that can help water utilities stress-test assumptions, evaluate tradeoffs and make more resilient water supply and infrastructure decisions. Featuring practical insights and real-world case studies from the City of Portland in Oregon and Wellington Water in New Zealand, this session delivers actionable guidance utilities can apply today to prepare for tomorrow.

Learning Objectives:

- How See how peer utilities are applying scenario and adaptive planning to inform long-range water resource planning.
- Gain a practical understanding of how to integrate the framework into existing planning and decision-making processes.
- Learn how to identify and prioritize uncertainties and investment tradeoffs using scenario-informed decision-making.

Panel Biographies:

- Maya Buchanan, PhD, Assistant Vice President, WSP, USA

Maya Buchanan, PhD, is an interdisciplinary climate scientist, climate adaptation expert, and policy advisor specializing in assessing climate risks, building resilience, and integrating climate and equity considerations into decision-making, investments, and public policy.

- Kelsey Harpham, Lead Water Resilience Consultant, WSP, USA

Kelsey Harpham is a Lead Water Resilience Consultant with WSP USA's Pacific Mountain West Water Team, where she supports design, project management, and business development activities focused on integrating water and climate resilience

into infrastructure and community planning LinkedIn. She brings a dual background in water/wastewater engineering and international water policy, with a strong commitment to place-based, collaborative solutions that build ecological, economic, and community resilience.

- Kavita Heyn, Adaptive Planning, Demand Management and Climate Division Manager City of Portland Water Bureau

Kavita Heyn is the Adaptive Planning, Demand Management & Climate Division Manager at the Portland Water Bureau, leading long-range capital investment strategy and executive decision-making under uncertainty for the city's drinking water system.

- Geoff Williams, Principal Advisor Strategy Wellington Water

Geoff Williams is Principal Advisor Strategy at Wellington Water. Geoff has worked for over 25 years in the water sector. Areas of interest include water security, adaptive planning and working across disciplines to advance our strategic planning.

- Jessica Metcalf, ENV SP, Research Manager WRF

At The Water Research Foundation, our team is pioneering research in sustainable water management, leveraging my Master of Engineering in Water Resources and Environmental Engineering from Villanova University. We are dedicated to advancing the industry through innovation, supported by my robust technical project management skills.

Water Research Foundation Webinar: Guidance for Orthophosphate-Based Corrosion Inhibitor Treatment

April 16, 2026

Overview:

The Lead and Copper Rule Improvements, with a compliance date of November 1, 2028, will likely prompt many utilities to revisit corrosion control strategies. For systems implementing orthophosphate-based corrosion inhibitors, optimizing treatment can be challenging due to the variety of product types, differences in pipe materials, and potential downstream impacts.

This webcast showcases WRF Project 5119, Using Phosphate-Based Corrosion Inhibitors and Sequestrants to Meet Multiple Water Treatment Objectives, along with a success story from the Chicago Department of Water Management (DWM). Chicago had used blended

phosphate for corrosion control since 1993, but a 2022 study led DWM to transition to orthophosphate and aluminum control to further reduce lead levels. Following a full-scale test at the Sawyer Water Purification Plant, DWM refined its approach to an optimized orthophosphate dose that cut typical lead concentrations by 25–30% after full implementation in 2025.

WRF 5119 offers practical, data-driven guidance to help water systems like Chicago's evaluate corrosion inhibitor options and select treatments tailored to their system's goals, water quality, and infrastructure. The project's Corrosion Inhibitor Evaluation Framework helps utilities make informed, system-specific decisions, minimize unintended consequences, and meet multiple objectives efficiently.

Learning Objectives:

- Why orthophosphate is effective for lead and copper corrosion
- How to select the appropriate corrosion inhibitor type and optimize the dose
- Understanding differences between orthophosphate and polyphosphate
- How to manage and mitigate potential challenges and unintended consequences
- Lessons learned from Chicago's successful transition

Panel Biographies:

- Roger Arnold, PE, Senior Associate, Hazen and Sawyer

Roger Arnold, PE, is a Senior Associate at Hazen and Sawyer, a leading water treatment and infrastructure consulting firm. He specializes in water supply, treatment, and distribution, with a strong focus on corrosion control, premise plumbing issues, and distribution system water quality.

- Baljit Sidhu, Environmental Scientist, Hazen and Sawyer

Baljit K. Sidhu is a Senior Principal Environmental Scientist at Hazen and Sawyer, a leading U.S. water treatment services company headquartered in Akron, Ohio, with offices in Fairfax, Virginia, and New York City. He has over seven years of technical and project management experience providing drinking water treatment solutions to water utilities across the country, ensuring safe, high-quality water supply.

- Rusty Nigro, PE, Senior Principal Engineer, Hazen and Sawyer

Rusty Jordan Carvajal-Nigro, PE, is a Senior Principal Engineer at Hazen and Sawyer, a leading water and wastewater engineering firm. She holds a Professional

Engineering license in Virginia and has been recognized for her contributions to water infrastructure and corrosion control research.

- Becki Rosenfeldt, Associate Vice President, Hazen and Sawyer

Becki Rosenfeldt, PE, is the Associate Vice President at Hazen and Sawyer, a leading water treatment and environmental consulting firm. She has over a decade of experience in the water industry, serving clients nationwide in the development of comprehensive programs to meet U.S. EPA Lead and Copper Rule (LCR) revisions.

- Patrick Schwer, Director of Water Quality Surveillance, Chicago Department of Water Management

Patrick Schwer is the Director of Water Quality Surveillance for the Chicago Department of Water Management (CDWM), a role he has held since August 2012. In this position, he oversees the city's water quality surveillance activities, ensuring compliance with environmental regulations and maintaining the integrity of Chicago's water systems.

- Jian Zhang, PhD, Research Principal, The Water Research Foundation

Dr. Jian Zhang is a research manager with the Water Research Foundation. He has a Ph.D. degree in Environmental Engineering and extensive experience as a civil engineer on construction sites. He has been working with the Foundation for more than 10 years. Most of his projects fall in the field of water distribution systems, ranging from pipe materials, pressure management, to distribution system water quality.

Evolution and Characterization of Water Quality in Quarry Lakes

April 28, 2026

Overview:

Water storage is essential to buffer against changing water demands, extreme weather, and a shifting climate. Quarry and gravel pit lakes—artificial water bodies that are created by mining activities—can serve as raw water storage for potable water systems. However, there is limited knowledge of the water quality evolution and management of these systems, especially in comparison to natural lakes and reservoirs.

This webcast will summarize the findings of The Water Research Foundation (WRF) project

5217, [Evolution and Characterization of Water Quality in Quarry Lakes](#), that aims to fill this knowledge gap through:

- A comprehensive literature review.
- Analyzing publicly available datasets.
- Interviewing utilities with existing or planned quarry lakes.
- Organizing workshops to facilitate knowledge exchange and identify research needs.

The presenters will demonstrate the Quarry Lakes Feasibility Screening Tool (QL-FeaST), a planning-level dashboard developed under WRF project 5217 for evaluation of potential quarry and pit lake source alternatives.

Learning Objectives:

- There are a set of key factors that influence water quality in quarry and gravel pit lakes, which tend to be less ecologically established than natural lakes and impoundments and may be more susceptible to sudden upsets.
- QL-FeaST can be used as a screening tool to help identify local options for potential water storage and explore regional water quality conditions in reference to lakes, reservoirs, and quarry and gravel pit lakes.
- Additional research is needed on the design and operation practices related to mixing, intake, pumping, and treatment requirements for quarry and gravel pits used for water supply.

Panel Biographies:

- W. Josh Weiss, PHD, PE, BC.WRE, Director of Water Resources Innovations
Hazen and Sawyer
Josh is a water resources engineer with more than 20 years of experience in water resources planning; system and water quality modeling; watershed and source water evaluation; reservoir system operations; data analytics; and decision support systems. As the firm's Director of Water Resources Innovations, he leads applied research projects that integrate new data sets and analytical tools to enhance utility decision-making.
- Benjamin Crary, Associate, Hazen and Sawyer
Benjamin Crary is an Associate and Midwest Sustainability Group Lead at Hazen and Sawyer, a national environmental consulting firm focused on water resources, treatment, and sustainability. Based in St. Paul, Minnesota, he is part of the

company's Water Resources Group and the Source Water Protection Subject Matter Expert Group.

- Susheera Pochiraju, PhD, PE, Senior Principal Engineer, Hazen and Sawyer
Susheera works primarily on drinking water and reuse initiatives at Hazen and serves as the Intermountain Reuse Practice Lead. Her experience includes working on direct potable reuse rulemaking with state regulators in Colorado and Arizona as well as with the Water Reuse Association. Her expertise also ranges from advancing applied research for emerging technologies to exploring innovative design and optimization methods for advanced treatment systems. Susheera specializes in bench-scale studies, advanced treatment pilots, and full-scale design of ozone, UV, and advanced oxidation systems. She is a licensed professional engineer in the state of Colorado and serves on the Journal Advisory Board for Journal AWWA.
- Sydney Samples, Research Principal, The Water Research Foundation
Sydney Samples is a Research Principal at The Water Research Foundation (WRF), based in Alexandria, Virginia. She is passionate about ensuring all communities have access to safe drinking water without compromising local ecosystems, with a focus on holistic watershed management in the context of climate change.

Microplastics Sampling: Pioneering Practices, Experiences, and Lessons Learned

May 7, 2026

Overview:

With both the states of California and New Jersey initiating action to monitor for microplastics in drinking water, nearly 15% of the United States now resides in a jurisdiction with some degree of explicit regulatory oversight of this increasingly important emerging contaminant. Moreover, with the U.S. Environmental Protection Agency (EPA) prominently announcing the inclusion of microplastics on the Sixth Contaminant Candidate List (CCL 6) on April 2, 2026, significant federal resources are now dedicated to evaluating the potential for future nationwide monitoring (e.g., under the Unregulated Contaminant Monitoring Rule [UCMR]). However, current best practices for microplastics sampling are more cumbersome than for any other drinking water contaminant, and utility experience is virtually non-existent.

The research team implementing The Water Research Foundation project 5185, Fate of Microplastics in Drinking Water Treatment Plants, developed customized programs and practices for 16 participating utilities to conduct a first-of-its kind in-house sampling

program (i.e., not conducted by trained technicians or subject matter experts), subsequently capturing insights, suggested improvements, and lessons learned.

The purpose of this webcast is to disseminate these findings widely, thereby building imminently necessary institutional knowledge and advancing the discourse about evolving microplastics sampling practices.

Learning Objectives:

- Microplastics sampling has challenges that are unprecedented among drinking water contaminants.
- Best practices for microplastics sampling in drinking water include the use of a close-system, in-line field filtration apparatus.
- More utility experience and institutional knowledge about microplastics sampling is needed.

Panel Biographies:

- Brent Alspach, Director of Applied Research, Arcadis
Brent Alspach is a Vice President and Director of Applied Research at Arcadis, based in Murrieta, California, with over 28 years of experience in water research and engineering. He joined Arcadis in 1997 and has since led a program conducting approximately \$30 million in drinking water, potable reuse, wastewater, and stormwater research.
- Nicole Fahrenfeld, PhD, Professor, Civil & Environmental Engineering, Rutgers University
Applied environmental microbial biology and organic chemistry to promote water quality and public health in natural, urban, agricultural, and engineered systems. Recent projects include environmental antibiotic resistance, opportunistic pathogens in drinking water, microplastic pollution, wastewater-based epidemiology, and more.

Managing Prestressed Concrete Cylinder Pipe (PCCP) to Extend Asset Life

June 18, 2026

Overview:

Prestressed concrete cylinder pipe (PCCP) has been the focus of research and programmatic studies in the water utility industry since the 1970's. Previous studies have focused on causation of premature failures, condition assessment and monitoring technologies, renewal methods, and to a lesser extent the wide range of utility pipeline management approaches.

This webcast will summarize the findings of The Water Research Foundation (WRF) project 5069, [Managing.Prestressed.Concrete.Cylinder.Pipe.\(PCCP\).to.Extend.Asset.Life](#), which had four primary objectives:

- Update the performance history of PCCP based on reported failures through 2022 to compare and contrast with data previously collected and reported in WRF project 4034, [Failure.of.Prestressed.Concrete.Cylinder.Pipe](#).
- Identify emerging and evolving PCCP assessment and monitoring technologies.
- Investigate emerging repair and renewal technologies for large diameter pipe.
- Document the range of management approaches for PCCP and large diameter pressure pipes to extend asset life from 11 geographically diverse water purveyors.

Learning Objectives:

- Competition for condition assessment and monitoring from non-patent-protected technologies is improving availability, quality, and economics of pipeline management programs.
- Steel sliplining, carbon fiber reinforced polymer, and like for like or steel pipe replacement have historically been the most commonly used PCCP renewal and replacement technologies/methods.
- Not all pipe management programs look alike. Approaches to PCCP management depend on various utility specifics.
- In order to reduce risk of failure, utilities must engage and embrace inspection and renewal of pipe on a programmatic level.

Panel Biographies:

- Graham Bell, PhD, PE, FNACE, F.ASCE Research Associate Professor
Department of Civil & Environmental Engineering University of Tennessee,
Knoxville

Graham Bell is a Research Associate Professor in the Department of Civil & Environmental Engineering at the University of Tennessee, Knoxville, and Vice President of Technical Services for Structural Technologies. He holds a PhD, MS, and BS in Engineering from the University of California, Los Angeles (UCLA), with a career spanning over 40 years in applied research, product development, and infrastructure innovation

- John W. Norton, Jr., PhD., PE, Director of Energy, Research, & Innovation, Great Lakes Water Authority

Dr. John W. Norton, Jr., PhD., PE is the Director of Energy, Research, and Innovation at the Great Lakes Water Authority (GLWA), one of the largest combined water/wastewater utilities in the United States, serving over 40% of Michigan's drinking water and nearly 30% of its wastewater.

- Jian Zhang, PhD, Research Principal, the Water Research Foundation

Dr. Jian Zhang is a research manager with the Water Research Foundation. He has a Ph.D. degree in Environmental Engineering and extensive experience as a civil engineer on construction sites. He has been working with the Foundation for more than 10 years. Most of his projects fall in the field of water distribution systems, ranging from pipe materials, pressure management, to distribution system water quality.