

AWWA Webinar Program: Asset Management Practice: Where Is the Industry, and Benchmarking Your Own Practice
October 6th, 2021

Webcast Description

Overview:

One important question utilities have when they implement an asset management program is, what is the maturity level of my practice? They may also wonder, how do I compare with other utilities? This webinar will answer both of those questions. We will describe the current state of the asset management practice in the United States based on a national survey released by AWWA in 2020. This survey assessed practices across a variety of areas; the results of this survey, as well as how it compares with a similar survey released in 2015, will be discussed. We will discuss advancements in the practice of asset management as well as why practices may not have increased significantly, even as some states are mandating asset management. We will present tools to assess individual system asset management maturity and will discuss resources available to help improve asset management practice. The final portion of the webinar will include a panel discussion during which utilities can ask questions of the individuals who were involved in the survey and the webinar.

Webinar attendees will learn about the current status of asset management practice in the United States, how it has changed from 2015 to 2020, and why the practice has been slow to improve. Attendees will be shown assessment tools as well as resources to help them improve their asset management practice in all areas, particularly those areas that are weaker. Attendees will gain the skill of evaluating their level of maturity in asset management practice. They will also find out how to gauge their practice compared with others in the United States.

Utilities struggle to increase their level of asset management practice. Some areas of practice are much weaker than others; these areas were shown nationally through surveys conducted in 2015 and 2020. It is important for utilities to understand the level of their current practice and know about resources available for improving areas of practice in which they aren't as strong. This webinar will reveal lower-level areas of asset management practice, discuss ways for attendees to gauge their own maturity level in all areas of asset management, and show where and how to access resources to help improve their asset management practice. Utilities can also determine where they stand compared with the overall practice in the United States.

As a result of this webinar, attendees will be able to:

1. analyze their own asset management practice to determine their level of maturity.
2. access resources to help improve their asset management practice.
3. understand why their practice may not be as advanced as they would like.
4. gauge their current asset management practice against the national practice.
5. understand the current level of asset management nationally in 2020 and how it has changed since 2015.

Presenter Biography Information

Heather Himmelberger, PE — Southwest Environmental Finance Center

Heather Himmelberger is a registered professional engineer with over 35 years of experience working with water and wastewater utilities and in the environmental arena. She has worked for the Southwest Environmental Finance Center (EFC) since 1994 and became its Director in 1996. She has specialized in asset management training and technical assistance for the past 18 years.

Kevin Campanella — Burgess & Niple

Mr. Campanella is Burgess & Niple's Infrastructure Asset Management Leader. His goal is to help you safely deliver more and spend less using leading edge, data-driven planning tools. Kevin studied under the tutelage of the authors of the original International Infrastructure Management Manual in Auckland, New Zealand in 2002, and has since led asset management initiatives for municipalities serving populations ranging from 600 to 2.5 million (including a community in New Zealand with more sheep than people). For 7 years, he was an Assistant Director at Columbus Public Utilities. He is the Chair of the AWWA Asset Management Committee and the co-chair of the AWWA Level of Progress in Asset Management Subcommittee with Heather Himmelberger.

Celine Hyer, PE, IAM — Arcadis

Celine Hyer is the National Water Conveyance Practice Leader for Arcadis US and is located in Tampa Florida. Celine has 32 years of experience in Engineering with 22 years that are directly related to advanced asset management program implementations. Ms. Hyer currently serves as the Vice Chair of the AWWA Asset Management Committee, the Chair of the ASCE UESI Asset Management Division, and is the Chairwoman of the Industry Advisory Board for the Sustainable Water Infrastructure Management Center at Virginia Tech.

AWWA Webinar Program: Preparing for Revised LCR – Adapting to New “Find-and-Fix” Requirement October 29th, 2021

Webcast Description

Overview:

This webinar describes steps water systems can take to prepare for anticipated new Lead and Copper Rule “find-and-fix” requirement.

Community water systems of all sizes will be taking a number of steps to prepare to comply with the Revised Lead and Copper Rule. The Revised LCR includes a new trigger for evaluating corrosion control practice. A system with a compliance sample observation above 15 µg/L must investigate why that value is high and if possible, identify corrective measures. Corrective

measures include suggesting corrections to the homeowner, operational steps to modify water quality in the distribution system, and potentially modifying corrosion control treatment. This webinar focuses on practical implementation of follow up investigations and evaluating the resulting information. Insights will help systems act now in preparation for compliance with the rule requirements in 2024.

Learning Objectives:

- Take steps to prepare for changes in sampling requirements in order to comply with the Revised Lead and Copper Rule.
- Start to evaluate data before the LCR Revisions become effective to better understand potential implications for distribution system operations and corrosion control practice.

Presenter Biography Information

Andrea Holthouse Cheng, PhD; — Commissioner, Chicago Department of Water Management

Patrick Schwer — Director of Water Quality Surveillance, City of Chicago

Richard Brown, PE — Vice-President, Cornwell Engineering Group

Richard Brown is a Vice President at the Cornwell Engineering Group, Inc. He oversees the treatment process evaluation and optimization, applied research, and regulatory compliance for public water systems, including lead and copper, DBPR, SWTR, and residuals handling. Mr. Brown is a graduate of Purdue University and UNC-Chapel Hill. He has been PI or Co-PI on various AWWA funded projects, including lead and copper related projects.

Virpi Salo-Zieman — Project Engineer, Confluence Engineering Group, LLC

Prior to joining Confluence Engineering Group (Confluence) in November 2018, Virpi worked at the Washington State Department of Health (DOH) as a regional engineer for 11 years. Virpi administered the federal and Washington State specific drinking water regulations in assigned geographic areas that included inspecting public water systems, providing technical assistance to utilities and stakeholders (such as local health jurisdictions), reviewing and approving projects and water system plans for adequate capacity and regulatory compliance, assisting in public health emergencies, responding to public and customer inquiries. She has inspected approximately 150 water systems in western Washington. In addition to her role as a Regional Engineer at DOH, she was the Lead and Copper Rule (LCR) specialist while in the Southwest region, and regional lead for the Arsenic Treatment Optimization Program (ATOP) while in the Northwest region at DOH. She completed graduate school at the University of Washington in Seattle, and post-graduate school at Tampere University of Technology in Finland. She has worked as a research engineer and research assistant for a biomining research project and as an assistant in academic research projects related to screening and enriching microbes for medical purposes. She has years of laboratory experience ranging from everyday testing at a wastewater treatment plant to applied molecular microbiology and clinical research.

Melinda Friedman — President, Confluence Engineering Group, LLC

Melinda Friedman is founder and President of Confluence Engineering Group, LLC (Confluence)

in Seattle, Washington. Prior to founding Confluence in 2008, she spent 18 years serving as Water Quality Program Lead and Project Principal at HDR Engineering, Inc., and at Economic and Engineering Services, Inc., in Bellevue, Washington.

Melinda has many years of experience providing services related to source water and distribution system water quality evaluation, regulatory compliance, comprehensive planning, and optimized treatment practices. As a recognized leader with respect to distribution system water quality, she has participated in numerous research efforts and has helped to prepare many prominent industry Guidance Manuals published by the American Water Works Association (AWWA) and the Water Research Foundation (WaterRF). Melinda is a Past Trustee of the Pacific Northwest Section (PNWS) AWWA, and Past Chair of the PNWS AWWA Water Quality Management Committee. She is an active member of National AWWA Distribution System Water Quality, Inorganic Contaminant, and Distribution System Research Committees. She was the 2017 recipient of the George Warren Fuller Award for Engineering Excellence. She is routinely called upon to present at national and international conferences and symposiums.

AWWA Webinar Program: The Value of Single-Source Providers of Emerging Contaminant Removal, Including Per- and Poly-Fluoroalkyl Substances
November 2nd, 2021

Webcast Description

Overview:

If a single provider could supply a community or an industry with everything it needed to remove emerging contaminants from water sources, what would that include? Perhaps emergency or mobile water treatment, media specification, systems integration, or all of the above? Using case studies as illustrations, we discuss how a single-source provider can supply expertise from testing and using the results to design systems, through the follow-up services it takes to maintain compliance and uptime.

Presenter Biography Information

John Lombardo — Sr. Product Manager Evoqua Water

John is a Product Manager for the ProAct Environmental Services (PES) division of Evoqua Water Technologies. His responsibilities include sales and marketing support, lifecycle management and product innovation for activated carbon and media products and services. He also supports PFAS (per- and polyfluoroalkyl substances) opportunities for municipal drinking water and short term/temporary industrial & military (dewatering and groundwater remediation) clients. He holds a Bachelor of Science in Chemical Engineering and a Master of Business Administration and has been with Evoqua for 26+ years.

Geoff Pellechia —Sr. Business Development Manager

Geoff Pellechia is currently the Senior Business Development Manager for Emerging Contaminants at Evoqua Water Technologies. Prior to Joining Evoqua, he has held several Senior Leadership positions with SGS, Pace Analytical and Vista. Mr. Pellechia has specific expertise in Emerging Contaminants, developing analytical programs and customer support to meet the needs of this everchanging market. Mr. Pellechia has a BS in Business Administration with a concentration in Sales and Logistics from the University of Maine, Orono, and a minor in Chemistry from Duquesne University, Pittsburgh, PA.

AWWA Webinar Program: 120 Water & Hach: Preparing for LCRR Programs: Building the Muscle for Future Compliance

November 16th, 2021

Webcast Description:

Overview:

With the new LCR revisions mandating increased testing and the creation of lead service line inventories, it's important for water professionals to understand the potential risks and actions to take now to meet future compliance. With updates to almost every facet of the rule, utilities should use the time before 2024 to build their LCRR "muscle".

Join Hach & 120Water on Tuesday, November 16th as they dive into the blueprint for a successful LCR program and give actionable insights to ensure continued compliance.

Learning Objectives:

- Discover how to gather necessary public and private side data to effectively build lead service line inventories.
- Learn why proper sampling and proactive monitoring are key to the development of a Lead Service Line Replacement Plan.
- Hear about best practices water systems can use as they prepare for lead sampling in schools and childcare facilities.

Presenter Biography Information

Rory Billing — Director of Product & Solutions 120Water

Rory Billing is the Director of Product & Solutions for 120Water. He draws on his past experiences in the technology and services industries to ensure the 120Water team is developing innovative solutions that deliver value to their municipal and state customers, as well as translating market feedback into product strategy. Prior to 120Water, Rory designed and implemented both large-and-small-scale technology solutions across a wide range of customers, including global corporations and government entities

Marcus Hagberg — Account Manager 120Water

Marcus Hagberg is an Account Manager with 120Water, a water technology company that helps government agencies protect public health and achieve ongoing compliance. Marcus has spent the last 10 years working as a consultant and project/ program manager for technology startups,

non-profits, and educational institutions in the urban resilience, economic development, and technology spheres.

Marcus earned a Masters of Science in Development Economics from the School of Oriental and African Studies (SOAS), University of London and a Bachelor of Arts from Butler University in Indianapolis, IN.

Paul Handke — Application Development Manager Hach

Paul Handke is a Drinking Water Application Development Manager for Hach. Previously, Paul worked at DEP for over 25 years including being the lead in the development of Pennsylvania's Drinking Water Distribution Optimization Program and providing technical and managerial assistance to small systems. Paul was also the Tideflex Mixing System Product Manager for Red Valve Company in Carnegie, PA from 2014-2016. Paul has experience developing and delivering technical training and has a background in drinking water and wastewater. Paul graduated from The Pennsylvania State University with a Bachelor of Science in Environmental Resource Management and holds a PA drinking water operator certification and wastewater operator certification.

Sandra Kutzing —Environmental Engineer/Project Manager CDM Smit

Sandra Kutzing is a Professional Engineer and Vice President at CDM Smith in New Jersey with 19 years of experience in drinking water. She has B.S. in Civil Engineering from the University of Illinois and an M.S. in Civil Engineering from the University of Washington. Ms. Kutzing is leading CDM Smith's Lead in Drinking Water Practice with a focus in regulatory compliance, corrosion control optimization, distribution system water quality and developing and managing lead service line replacement programs

AWWA Webinar Program: Performance Criteria for Source Water Protection

November 17th, 2021

Webcast Description:

Overview:

Historically, utilities have faced challenges in developing and implementing SWP programs and activities because of their voluntary nature and a lack of broad understanding of the operational benefits of SWP programs. The recent SWP Justification Toolkit project was designed to help utilities build the business case for SWP programs, and this webinar goes a step further by recommending quantifiable measures to include in the business case. This also ties in with the final component of AWWA Standard G300, Source Water Protection: periodic evaluation and revision of the SWP program.

The purpose of this webinar is to establish a framework of performance criteria (a.k.a. metrics) for Source Water Protection (SWP) programs and activities. Historically, many utilities have faced challenges in developing and implementing SWP efforts because of their voluntary nature and a lack of broad understanding of the operational benefits of SWP programs. AWWA recently developed materials through a 2018 Technical and Educational Council (TEC) project—including

the SWP Justification Toolkit—to help utilities justify SWP efforts and build a business case for related programs and activities.

This webinar will build on the TEC project toolkit by compiling and recommending quantifiable measures to track progress. These measures will, in turn, aid in both meeting the goals of an SWP program and making a business case for utilities and other decision makers. This webinar will address both qualitative and quantitative measures for evaluating SWP activities. Finally, this effort ties in with the ANSI/AWWA Standard G300, Source Water Protection, to periodically evaluate and revise SWP programs.

Learning Objectives:

- Better understand how to quantify benefits of source water protection
- Review and obtain suggested metrics for measuring progress of SWP programs
- Build capability to monitor and demonstrate measurable progress toward SWP goals
- Develop a stronger business case for SWP programs

Presenter Biography Information

Raven Lawson — Watershed Protection Manager, Central Arkansas Water

Raven Lawson is the Watershed Protection Manager at Central Arkansas Water, the state's largest drinking water utility, serving 1 in every 6 Arkansans. For more than 15 years, Raven has worked in many aspects of ecology and natural resources management, ranging from studying organisms and their systems, to working in public education and water quality advocacy. In her current position, she and her team are responsible for the protection and management of nearly 25,000 acres of watershed land and water resources owned by the utility, and are charged with ensuring that nearly 500,000 Arkansans have clean, safe drinking water, and that the plants, animals, and people of the Lake Maumelle and Lake Winona watersheds have a thriving place to call home.

Carolyn Gillette —Senior Program Manager, Eastern Research Group (ERG)

Carolyn Gillette is a senior program manager with ERG and manager of the firm's drinking water practice. She has over 18 years of experience leading research, policy analysis, outreach and communications, and education efforts around safe drinking water and public health protection for federal, state, local, utility, and nonprofit organizations