CEU Application – Agenda, Program and Instructor Information, and Relevance to Wastewater Professionals

2025 ACWA Annual Conference

Wednesday-Friday, July 16-18, 2025

CEUs requested: This conference contains 12.7 hours of eligible content, equating to 1.3 CEUs being requested.

This document includes the information required to demonstrate eligibility for general CEUs, including: 1) the educational need for the program provided; 2) the learning outcome for attendees; 3) an outline of the course content; 4) the qualifications of the instructors; 5) the time schedule; and 6) the method of tracking on-line attendance for the duration of the workshops.

Educational Need and Learning Goals:

The ACWA Annual Conference is convened every year to educate and update wastewater and stormwater management professionals and utility managers across the state on current issues and trends impacting their work to protect Oregon's water quality; in particular, the conference focuses in on water quality and regulatory compliance challenges facing wastewater agencies, current and emerging technologies, and innovative, science-based solutions. The goal of the conference is to increase the knowledge and understanding of wastewater and stormwater managers, engineers and operations professionals regarding current and anticipated water quality regulations, water quality challenges, and technologies and operational controls for managing and improving water quality in the face of emerging pollutants issues of concern.

The course emphasizes science-based information, regulatory compliance pathways and strategies, and national and statewide priorities and actions that impact wastewater and stormwater infrastructure. The course also educates attendees regarding emergent issues and challenges that must be addressed through adaptive management, such as climate change impacts and affordability issues in the wastewater utility sector. Finally, the conference addresses sustainable utility management practices that are applicable to the wastewater sector.

Method of Tracking Attendance:

All attendees wishing CEUs will be required to sign a CEU registration and certification roster for the sessions each day, which will be attended by a conference logistical coordinator. ACWA will monitor attendance and the roster and will sign and maintain the roster as required.

Time	Topic	Presentation Description, Relevance to Oregon Wastewater Professional Knowledge; Instructor Information
9:30 am	**Welcome and ACWA Announcements** ...Torrey Lindbo, ACWA Chair	ACWA Chair Torrey Lindbo will provide a welcome and introductory overview of the conference.
9:40 am	**Constructed Wetlands: A Reliable, Cost-Effective, Nature-Based Approach to Effluent Polishing** …David Sedlak, PhD, Director of UC Berkeley Water Center, Dept.	**Session Information Including Relevance to Wastewater Professional Knowledge:** This opening keynote presentation by Dr. David Sedlak, Plato Malozemoff Professor of Environmental Engineering at UC Berkeley, will focus on the challenges and opportunities for employing constructed wetlands to achieve stringent water quality

	of Civil and Environmental Engineering **Moderator:** Torrey Lindbo	objectives for nutrients and trace organic compounds, like PFAS, pharmaceuticals and endocrine disrupting compounds. The talk will draw upon examples of existing pilot- and full-scale projects as well as new technologies that are being developed to address potential shortcomings of surface flow wetlands. The talk also will address ways in which knowledge gained from effluent polishing activities might be applied to other water quality challenges associated with water recycling and non-point pollution. This session is relevant to wastewater because natural treatment systems are increasingly being evaluated as effective, cost-effective, multi-benefit approaches to tackling a growing list of water quality challenges. **Speaker Information:** David Sedlak, PhD, is the chair of the National Academies' Water Science & Technology Board and was elected to the National Academy of Engineering in 2016, one of the highest honors given to an engineer, among other notable achievements. In addition to his laboratory and field research, Sedlak is interested in developing new approaches for managing the urban water cycle. He pursues these efforts through his role as Director of the Berkeley Water Center, and as a member of the Department of Energy's National Alliance for Water Innovation. Sedlak is also the author of "Water 4.0", a book that examines the ways we can gain insight into current water issues by analyzing the history of urban water systems and "Water for All", a book that assesses water crises and potential solutions in light of a changing climate. Sedlak holds a Ph.D. in Water Chemistry from the University of Wisconsin at Madison and a B.S. degree in Environmental Science from Cornell University.
10:40 am	**Break**	
11:00 am	**Smart Wastewater Collection Systems: Harnessing the Power of Digital Technologies and AI to Create the Utility Management Tool of the Future** …Nitin Joshi, Environmental and Operations Technology Manager, City of Salem **Moderator:** Torrey Lindbo	**Session Information and Relevance to Wastewater Professional Knowledge:** Faced with aging infrastructure, limited budgets, and increasing public and regulatory pressures, the City of Salem transitioned from siloed, reactive service models to a centralized, proactive approach to managing their wastewater assets. Nitin Joshi will present the City's approach, which is built on ArcGIS Enterprise and GeoEvent Server, with data streaming from an Aveva Pi system. The platform ingests sensor data from flow meters, rainfall gauges, and pump stations, and visualizes it using ESRI's Experience Builder. This allows crews and management to monitor infrastructure conditions live, detect anomalies, and respond rapidly—often within minutes. Early wins also included faster incident response, improved cross-department collaboration, and better transparency for city leadership. Salem has been able to implement this in a scalable manner, which makes it a compelling blueprint for how small-to-midsized cities can achieve smart infrastructure using practical, resource-first innovation. This session is relevant for water and wastewater utility personnel because rapidly changing technology can help utilities optimize management of public water/wastewater assets in a manner that

		increases environmental protection and public safety while making most efficient and effective use of public ratepayer dollars. **Speaker Information:** Nitin Joshi is an environmental engineer with 30 years of experience providing environmental management services to municipalities. He has worked for the City of Salem in various environmental management capacities for nearly 23 years and currently serves at the Environmental and Operations Technology Manager. Mr. Joshi has a B.S. degree in Civil Engineering from Shivaji University in India and a M.S. degree in Environmental Engineering from California State University in Sacramento.
12:00 pm	**Lunch with roundtable discussions**	
1:30 pm	**Clack-A-Mole: How Clackamas WES Succeeded in Building the Tri-City Water Resource Recovery Facility Outfall Project** …Jeff Stallard, P.E., Capital Programs Manager, Clackamas Water Environment Services **Moderator:** Alexa Morris	**Session Information and Relevance to Wastewater Professional Knowledge:** Faced with aging infrastructure and growing capacity needs, Clackamas Water Environment Services (WES) took on a complex and high-stakes project to build a new outfall for the Tri-City Water Resource Recovery Facility, designed to serve the community through 2080. This session explores how WES successfully navigated public processes, environmental requirements, tribal coordination, and community engagement to bring the $58 million outfall project to life. Many public wastewater agencies around Oregon face similar circumstances and are looking at exceedingly high infrastructure costs going forward. This successful case example can provide other wastewater and water infrastructure providers with keys and tools for success. **Speaker Information:** Jeff Stallard, P.E., has 24 years of experience in the water and wastewater industry delivering both in-plant and collection system projects. Jeff spent the first 16 years of his career as a consulting engineer and joined Water Environment Services in 2017 as the Civil Engineering Supervisor. He now serves as the Capital Programs Manager. Jeff got his B.S. degree in Engineering from the University of Cincinnati.
2:30 pm	**Break**	
2:50 pm-3:50pm; Repeat 4:00 pm – 5:00 pm	**<u>Concurrent Sessions</u>** 1. **Getting the Fats, Oils, and Grease out of Your Sewer Pipes and Pumps** …Nicole Morris, Pretreatment Program Coordinator, Oregon DEQ …Jill Hoyenga, Regulatory Compliance Manager, City of The Dalles …Arjen DeHoop, Pretreatment Coordinator, City of Klamath Falls **Moderators:**	**Session 1 Information and Relevance to Wastewater Professional Knowledge:** For many utilities, the tale of Fats Oils and Grease (FOG) causing havoc in sewers is one as old as time. Oregon ACWA has developed a FOG model ordinance to support utilities tackling FOG, with or without State approved pretreatment programs. This template for program managers can aid in implementing a robust FOG program with appropriate local legal authority that collaborates with overlapping jurisdictions and with complementary trades. This panel, which will include regulators and practitioners, will discuss how some utilities are integrating FOG abatement into their capacity, management, operation, and maintenance (CMOM) utility management approach. When FOG-derived sanitary sewer overflows strike, the model ordinance tool and these perspectives show that an ounce of prevention is worth a pound of cure. This session is highly relevant to wastewater utility

	2:50—Chris Desiderati and Rachel Allen 4:00— Chris Desiderati and Rachel Allen	personnel because they all deal with FOG clogged pipes and pumps, which routinely cause sanitary sewer overflows and drive up sewer maintenance costs. **Speaker Information:** Nicole Morris is the State Pretreatment Coordinator for the Oregon DEQ and has worked in regulatory compliance in pretreatment and water quality programs for the last 8 years. Prior to joining DEQ, they worked for two years as the lead inspector for the City of Austin Texas' FOG program, a sub-section of the City of Austin Pretreatment Department. Prior to that they were the State Pretreatment Coordinator for the Texas Commission on Environmental Quality. Morris has a MS degree in Environmental Science from the University of Houston Clear Lake. Jill Hoyenga is the Regulatory Compliance Manager for the City of The Dalles Public Works Department and has worked there since 2017. She is responsible for ensuring that the City complies with water, wastewater, stormwater and transportation regulations. She manages the Industrial Pretreatment Program for the City, which includes a robust FOG abatement program. Hoyenga has served on committees that write plumbing related standards, codes, state administrative rules as well as legislation for the state of Oregon. Hoyenga holds a B.S. in Management with a minor in Environmental Studies from Linfield College, Oregon. Hoyenga remains a certified Oregon Water Distribution I as well as an Oregon Cross Connection Specialist. Arjen DeHoop has 25 years of experience of wastewater treatment and the environmental field, with 20 years serving as the Pretreatment Coordinator for the City of Klamath Falls. He began his academic career studying pre-veterinary medicine before transitioning into environmental sciences. DeHoop holds certifications in wastewater treatment and collections, as well as hazardous materials spill response. His expertise includes pretreatment regulatory compliance, wastewater operations, and stormwater management. Throughout his career, he has been responsible for overseeing municipal environmental programs and ensuring compliance with state and federal regulations. In his role as Pretreatment Coordinator, Arjen developed and implemented the City of Klamath Falls' Fats, Oils, and Grease (FOG) program and the Mercury Minimization Program, both designed to improve water quality and reduce environmental impact. DeHoop earned his wastewater certifications at Sacramento State University. He also studied veterinary medicine at Oregon Institute of Technology and Montana State University, receiving a certificate in Animal Reproduction.
	2. **Symbiosis through Industrial Resource Recover: Lessons from Denmark; Turning them into Actions**	**Session 2 Information and Relevance to Wastewater Professional Knowledge:** Frank Dick and Jessica Shaw will present their experience and perspectives on the Pacific Northwest's first ever Wastewater Industrial Symbiosis study tour to Denmark, and then follow up

	…Jessica Shaw, Deputy Public Works Director--Utilities, Wenatchee, Washington …Frank Dick, Wastewater Treatment Engineering Manager, City of Vancouver, Washington **Moderators:** 2:50—Josh Proudfoot 4:00—Josh Proudfoot	with discussion of a recent Washington Department of Commerce grant project that will further advance industrial symbiosis ideas in their respective communities of Vancouver and Wenatchee in Washington state. The weeklong Denmark study tour included daily lectures on industrial symbiosis approaches and experiences, and daily wastewater resource recovery tours that displayed pilot and emerging treatment technologies and resource recovery systems. Four resource recovery sites in Denmark will be discussed in their presentation, as well as their Commerce grant projects, which occurred from January through June 2025. This presentation is relevant to wastewater utility professionals because resource recovery strategies are becoming increasing sought after to improve utilities' economic and environmental performance bottom line. **Speaker Information:** Frank Dick oversees wastewater treatment engineering functions for Vancouver, including planning, capital project management, O&M contract administration and Vancouver's fully delegated pretreatment program. Vancouver's sewerage area serves a population of 250,000 and includes 13 Categorical Industrial Users, 8 other Significant Industrial Users, 6 Minor Industrial Users, and over 100 other written discharge authorizations, a Fats, Oils, and Grease (FOG) management program and a dental mercury reduction program. Prior to his 18 years at Vancouver, he spent 14 years at semiconductor and electronics manufacturing facilities in the Portland-Vancouver area, in consultant and staff positions for facilities engineering and environmental compliance. Mr. Dick currently serves as the Co-Chair of the National Association of Clean Water Agencies' Pretreatment and Pollution Prevention Committee and is active Oregon ACWA and Pacific Northwest Clean Water Association. Mr. Dick earned his BS in Chemical Engineering from Washington State University. Jessica Shaw, who currently serves as the Deputy Public Works Director for Utilities, has worked for the City of Wenatchee since 2002 in the water, sewer, and stormwater utilities. She is currently a Washington State certified Group 4 Water Distribution Manger, Group 3 Wastewater Treatment Plant Operator, and a Cross Connection Control Specialist. She holds a B.S. degree in chemistry with a minor in mathematics from Pacific Lutheran University, Tacoma, WA.
	3. **Renewing your Wastewater NPDES Permit—What You Need to Know to Have a Smooth Renewal Process and Get a Permit You Can Implement**	**Session 3 Information and Relevance to Wastewater Professional Knowledge:** This session will help water quality agencies gear up for the planning, analysis, and careful review needed to have a successful National Pollutant Discharge Elimination System (NPDES) wastewater permit renewal process. The session is designed to refresh participants' NPDES knowledge, help them better understand DEQ's permitting approach and point them to the tools

	…Amanda Haney, Permit Compliance Coordinator, Portland Bureau of Environmental Services …Julia Crown, Water Resources Analyst, Clean Water Services …Jeff Navarro, Senior Water Quality Permit Program Analyst, OR DEQ **Moderator:** 2:50—Todd Miller and Josh Ernst 4:00—Todd Miller and Josh Ernst	and resources they need to successfully negotiate permits that protect water quality, are defensible and implementable, and that maximize cost-effectiveness, environmental benefits, equity, and affordability. **Speaker Information:** *Amanda Haney* is the Environmental Regulatory Coordinator for the City of Portland, Bureau of Environmental Services, a position she has held since 2016. Amanda administers the Environmental Permit Compliance Program, which oversees compliance with State and Federal environmental permits required for operation of Portland's wastewater treatment plants including the NPDES wastewater discharge permits, NPDES industrial stormwater discharge permit, State air contaminant discharge permits, and the solid waste disposal permit for an on-site landfill. Prior to this position, she worked for the Oregon Military Department as Chief of the Environmental Branch. Amanda has a B.S. in Geology from the University of Albany in New York and has completed graduate coursework in Environmental Geochemistry at Boston College. Julia Crown is a Water Resources Analyst for Clean Water Services where she implements NPDES permit requirements and engages with long term regulatory compliance strategy. She previously worked for the City of Gresham in the Industrial Pretreatment Program and at Oregon DEQ developing TMDLs and analyzing data for the Pesticide Stewardship Partnerships Program. Julia is the ACWA Water Quality Committee co-chair. Julia has a B.S. degree in Biology from Simmons College and an M.S. degree in Bioresource Engineering from Oregon State University. *Jeff Navarro* is a Senior Water Quality Program Analyst for Oregon DEQ. Jeff's primary focus is on NPDES Individual permit development and issuance according to annual and 5-year plans. Jeff coordinates with multiple state agencies, government jurisdictions, community organizations, or private sector businesses. Jeff oversees permitting processes and development of process improvements to continually improve the effectiveness and efficiency of the NPDES permitting program and compliance with permit issuance plans and schedules. Prior to his service at DEQ, Jeff worked for a metals manufacturing facility as the Environmental Health and Safety Manager. Jeff has a B.S. in Biology from Western Oregon University and an Executive Degree in Lean Management from Ohio State University.
	4. **Clack-A-Mole: Creatively Communicating Capital Projects** …Alexa Morris, Utility Relations Coordinator, Clackamas WES …Jeff Stallard, P.E., Clackamas WES	**Session 4 Information and Relevance to Wastewater Professional Knowledge:** Alexa Morris and Jeff Stallard of Clackamas Water Environment Services will present the communication and public outreach aspects of the Clack-A-Mole project Jeff Stallard presented during the morning sessions. How do you generate excitement and trust around a major infrastructure project? In this session, attendees will learn how creative communication and thoughtful outreach

	Moderators: 2:50—Julie Cortez 4:00—Julie Cortez	laid the groundwork for success. From building relationships with the Confederated Tribes of Grand Ronde Tribal Historic Preservation Office and securing public support through a ballot measure, to inviting the community to name the tunnel boring machine ("Clack-A-Mole"), this session highlights the power of storytelling and fun in building public trust. **Speaker Information:** Alexa Morris the Utility Relations Coordinator for Clackamas Water Environment Services (WES). She is a strategic communicator with over 10 years of experience in public engagement. She holds a B.A. degree in Rhetoric and Media Studies from Lewis & Clark College and a M.S. degree in Strategic Communication from the University of Oregon. In her current role, she is responsible for overseeing large scale projects with significant visibility to ratepayers and key stakeholders. Alexa is a local leader in the water industry and currently co-chairs the ACWA Communications & Education Committee. Jeff Stallard, P.E., has 24 years of experience in the water and wastewater industry delivering both in plant and collection system projects. Jeff spent the first 16 years of his career as a consulting engineer and joined Water Environment Services in 2017 as the Civil Engineering Supervisor. He now serves as the Capital Programs Manager. Jeff got his BS degree in Engineering from the University of Cincinnati.

Thursday, July 18, 2025

Time	Topic	Presentation Description, Relevance to Oregon Wastewater Professional Knowledge; Instructor Information
7:30 am – Optional	**Breakfast Presentation: Funding and Financing Your Capital Projects** **Host: Ryan Locicero**, Co-Chair, Utility Management Committee	**Optional breakfast meeting and presentation: Capital Currents: Navigating Strategic Water Infrastructure Funding Hosted by the Utility Management Committee** **Spearker:** Tahne Corcutt, Sr. Infrastructure Funding and Grants Consultant, Jacobs
7:30 am – Optional	**NACWA Breakfast** **Host:** Jerry Linder	**Optional breakfast meeting: Updates from the National Association of Clean Water Agencies with Kristina Surfus, NACWA Governmental Affairs Manager**
8:30 — 9:20 am	**A Tribal Sovereign Perspective: The Importance of Tribal/Municipal Consultation for Clean Water** …Bobby Brunoe, CEO, Warm Springs Tribes …Josh Newton, Partner, BBK Attorneys **Moderator:** Lori Faha	**Session Information and Relevance to Wastewater Professional Knowledge:** Robert "Bobby" Brunoe and Josh Newton will lead a discussion about the Confederated Tribes of Warm Springs' status and experience as a sovereign co-manager of the water resources of the Deschutes Basin and the Tribe's perspective on the importance of meaningful consultation with municipalities with respect to water quality management. This presentation is relevant to wastewater professionals because recognized tribes have sovereign powers and they govern areas of land and water resources that may impact or be impacted by municipal water

		quality programs. It is becoming increasingly important for local governments to work together collaboratively with tribes to achieve shared goals and critical water quality outcomes. **Speaker Information:** Bobby Brunoe is an enrolled member of the Confederated Tribes of Warm Springs. He is the Secretary-Treasurer/CEO for the Tribe. Mr. Brunoe has more than 30 years experience in the field of natural and cultural resources, and has worked with many experts over the years. For over twenty years, Bobby served as the Tribe's General Manager of the Branch of Natural Resources; he has also served as the Tribal Historic Preservation Officer. Bobby has deep knowledge about the protection and enhancement of the Tribe's natural and cultural resources, including the protection of the Tribes' treaty-reserved water rights. Josh Newton is a partner at Best Best & Krieger LLP in Bend, Oregon. Josh's practice concentrates on environmental and natural resource matters, including dispute resolution. Josh has represented the Confederated Tribes of Warm Springs for over twenty years, assisting the Tribe defend and advance its sovereignty, including protection of its treaty-reserved water rights. Mr. Newton has a B.S. degree in forest management from Oregon State University, a J.D. degree from Willamette University College of Law, and a LL.M. in international law from the London School of Economics.
9:20—9:50 am	**The Federal and State PFAS Policy Landscape - Passive Receivers' Perspectives** …Sean McGinnis, Partner CO2Efficient; Coordinator, National PFAS Passive Receivers Coordinating Group **Moderator:** Ron Wierenga	**Session Information and Relevance to Wastewater Professional Knowledge:** Sean McGinnis will present an overview on the rapidly evolving Federal and State PFAS policy landscape through the lens of PFAS "passive receivers" such as water and solid waste facilities providing essential community services. Sean will review key Federal legislative and regulatory PFAS developments and assess State PFAS policy actions and trends. He will provide an update on the National PFAS Passive Receivers Group, which convenes water, solid waste, and local government associations nationwide. This presentation is relevant to wastewater and stormwater professionals because the political and regulatory landscape surrounding PFAS continues to change rapidly and utilities need to get prepared and begin to address PFAS-related regulatory mandates. **Speaker Information:** Sean McGinnis is a Managing Partner and Chief Financial Officer at COEFFICIENT, bringing over 15 years of expertise in national environmental policy, strategic communications, and coalition-driven initiatives. His policy work spans the water-energy-waste nexus, including infrastructure and public-private partnerships, agriculture and nature-based solutions, and circular economy investments. A recognized leader in PFAS legislative and regulatory policy, Sean spearheaded the National PFAS Passive Receivers Group, uniting water, solid waste, and local government associations nationwide.

		Prior to joining COEFFICIENT, Sean served as Director at The Horinko Group, an environmental consulting firm founded by former U.S. EPA Acting Administrator Marianne Horinko. Earlier in his career, Sean was an International Credit Portfolio Manager at The Northern Trust Company, a global leader in asset management and banking services. Sean holds a B.S. degree in Finance from the University of Illinois, and a Masters degree of Natural Resources from Virginia Tech.
9:50 am – 10:10 am	**Oregon's DEQ-wide PFAS Strategic Plan** …Latonya Jackson, PhD, Oregon DEQ **Moderator:** Ron Wierenga	**Session Information and Relevance to Wastewater Professional Knowledge:** Latonya Jackson of Oregon DEQ will provide an update on the DEQ-wide, cross-media PFAS Strategic Plan which lays out a path forward, focusing on strengthening our scientific understanding, managing existing contamination, and preventing future pollution in order to address the contamination and risks associated with PFAS. This update includes a presentation highlighting the plan's vision, objective, goals, current actions, and next steps. It is very important for wastewater and stormwater professionals in Oregon to stay abreast of the approaches DEQ intends to take regarding PFAS so they can begin to prepare or adapt current actions to address future regulations. **Speaker Information:** Latonya Jackson, Ph.D., is the Toxics and Emerging Contaminants Strategic Coordinator at the Oregon Department of Environmental Quality, where she leads cross-disciplinary initiatives to identify, assess, and manage risks associated with hazardous substances and newly recognized environmental contaminants. With over two and a half decades of experience in ecotoxicology research and environmental science and policy, Latonya has developed and implemented strategies for contaminant monitoring, regulatory compliance, and stakeholder engagement. Latonya holds a PhD in Environmental and Evolutionary Biology, specializing in Ecotoxicology, from the University of Louisiana at Lafayette and has additional training in Chemistry, Environmental Policy, Risk Assessment, and Scientific Communication. She holds a B.S. degree in Biology from the University of Louisiana at Lafayette.
10:10 am	**B R E A K**	
10:30 am - 11:20 am	**Investigating PFAS in the Columbia Slough to Inform Clean Up and Public Health Outreach** …Andrew Davidson, Columbia Slough Program Manager, City of Portland **Moderator:** Ron Wierenga	**Session Information and Relevance to Wastewater Professional Knowledge:** The mainstem of the Columbia Slough runs approximately 19 miles from east to west parallel to the Columbia River near its confluence with the Willamette River. The area is part of the traditional floodplains of the Columbia River and contains many miles of secondary channels and one of the largest urban freshwater wetlands in the United States. In May 2024, the City of Portland (City) and the Oregon Department of Environmental Quality (DEQ) reached a settlement agreement in the form of a consent judgment to address the City's environmental cleanup and natural resource damages liability within the Columbia Slough. As part of that agreement, the City agreed to conduct a third round of slough-wide sediment and fish tissue sampling to

		inform cleanup alternatives and long-term trends in environmental data. In 2022, the Oregon Health Authority updated its Columbia Slough Fish Advisory to include the impacts of PFAS observed in sediment and fish tissue data collected by USGS and Oregon State University. As such, the City and DEQ agreed to analyze PFAS in all sediment and fish tissue samples collected in the slough-wide sampling events in 2025 and 2026. This session will focus on the planning and collection efforts as part of these ongoing sampling events and how the data may inform clean up efforts and public health outreach. This presentation is relevant to wastewater and stormwater professionals because they may be facing wastewater, stormwater, and/or groundwater PFAS assessment requirements in the future, which may also lead to mandated cleanup efforts. This presentation will provide a case example of this in Oregon. **Speaker Information:** Andrew Davidson serves as the City of Portland's Columbia Slough Sediment Program manager, helping to fulfill the City's obligations to cleanup contaminated sediments within the Slough and manage upland sources of contamination that migrate to the City's municipal conveyance system.Andrew has over 15 years of experience working within the environmental cleanup sector in the Pacific Northwest. A registered P.E. in the state of Oregon, Prior to moving to Oregon, he worked for Argonne National Laboratory in Illinois conducting risk evaluations for the Department of Energy and the EPA, and for the National Park Service conducting ecological surveys in Katmai National Park. Andrew has a background in designing and implementing stormwater and groundwater remediation projects in Oregon and abroad, and has helped to manage the investigation and cleanup of sediment remediation sites including the Armstrong World Industries site in Scappoose Bay, Oregon. Andrew holds a bachelor's degree in Environmental Science and Communications from Northwestern University and a master's in Civil/Environmental Engineering from the University of Texas at Austin.
11:20 am - 12:00 pm	**From Science to Action – Proactive Work to Tackle PFAS in Advance of Coming Regulations** …Scott Mansell, Principal Engineer, Clean Water Services …Amanda McGarry, Environmental Services Specialist, Clean Water Services …Kevin Masterson, Sr. Environmental Consultant, Stony Creek Consulting **Moderator:** Ron Wierenga	**Session Information and Relevance to Wastewater Professional Knowledge:** This is a two-part presentation that will feature updates on ACWA and local wastewater utility initiatives to address PFAS in Oregon proactively now rather than waiting for regulations to require action. The first part of this panel will be updates from Clean Water Services (CWS) staff Scott Mansell and Amanda McGarry on CWS' ongoing work to assess and reduce PFAS in its effluent, biosolids, and reuse discharges through a combination of source control, sampling, and research. Last year, CWS presented on its efforts and findings from its extensive source control activities with industries, monitoring of land applied biosolids and reuse water, and watershed monitoring. This year, CWS will share updated findings, provide additional details about the strategies industries are implementing to meet their PFAS management plans, and the lessons learned in getting management plans in place with permitted industries. The second

		part of the presentation will be provided by Kevin Masterson, who will discuss ACWA's expanded efforts to support members in tackling PFAS technical and policy challenges in advance of anticipated new regulations. Masterson will review ACWA's recently completed grant-funded project that developed tools, resources, and monitoring data to help wastewater agencies and other partners reduce PFAS pollution. Masterson also will highlight the findings of an Oregon-based PFAS wastewater and biosolids monitoring effort and how those results can inform local pollutant source reduction efforts. He will also highlight the successful adoption of critical policy initiatives over the past year that will significantly advance ACWA's goals of producing actionable scientific data and reducing PFAS at the source. **Speaker Information:** *Kevin Masterson* is a Sr. Environmental Consultant with Stony Creek Consulting, focusing on toxics reduction and assessment initiatives with non-profit organizations such as ACWA. Prior to joining Stony Creek Consulting, Mr. Masterson worked for Oregon DEQ; he has over 35 years of experience developing, implementing, and evaluating pollution management and reduction programs for public agencies. Masterson holds a B.S. degree Economics and an M.S. degree in Urban and Regional Planning from the University of Oregon. *Scott Mansell* is a Principal Engineer in the Research and Innovation Program at Clean Water Services. He currently leads research efforts at Clean Water Services for the areas of advanced sensing, PFAS, and emerging contaminants, advanced hydraulic and water quality modeling, and data analysis/machine learning and is an active participant in projects in many other areas including stormwater management, climate change, and integrated planning. Scott worked in consulting for 5 years before coming to Clean Water Services in 2017. He is a registered engineer in the State of Oregon and is the outgoing co-chair of the ACWA Water Quality Committee and the Pacific Northwest representative for the WateReuse Association Research Committee. Scott has an M.S. and PhD in Civil and Environmental Engineering from UC Berkeley, and a B.S. in Civil and Environmental Engineering from the University of Utah. *Amanda McGarry* is an Environmental Services Specialist with the Regulatory Affairs Department at Clean Water Services. Amanda works in the pretreatment program where her focus is on industrial wastewater permitting, compliance, and illicit discharge detection and elimination. She leads the source control efforts within the PFAS Investigation Team and helped develop PFAS Management Plans for source mitigation. She has a background in biological sciences and earned her B.S. degree in Biology from the University of California, Santa Barbara.
12:00 pm	**L U N C H**	
1:20 pm	**2024 ACWA Priorities, Recognition of ACWA Board and Committees, and Announcements** …Jerry Linder, Executive Director, ACWA	

1:40 – 2:40 pm	**Hot Topics in Oregon DEQ Water Quality Programs** …Jennifer Wigal, Oregon DEQ …Connie Dou, Oregon DEQ …Steve Mrazik, Oregon DEQ …Ben Benninghoff, Oregon DEQ **Moderator:** Johnny Leavy	**Session Information and Relevance to Wastewater Professional Knowledge:** This panel of DEQ Water Quality Division Managers and the Administrator will update ACWA members regarding current program and policy development that will impact future local government water quality permits, program management, and compliance with water quality regulations. The panelists will also give the audience a preview of upcoming water quality assessments and policy development that will lead to future requirements in NPDES and WPCF permits and TMDL implementation plans. The panel has been asked to address how the agency will partner with local government agencies and engage with local government water quality experts and program implementers to assist the Department in developing achievable, implementable programs that will achieve the environmental/water quality objectives. It is important for wastewater and stormwater management professionals to understand the regulatory drivers and mandates DEQ is delegated to implement, including the impacts of updated Total Maximum Daily Loads, water quality standards and litigation results. **Speaker Information:** *Jennifer Wigal* is the Administrator for the Oregon DEQ Water Quality Division. Prior to this appointment, she served as Deputy Administrator since April of 2018, and as the Water Quality Program Manager before that. Ms. Wigal is responsible for administration of all DEQ Water Quality Programs, including Water Quality Permitting, Water Quality Standards, and Water Quality/Watershed Assessments. Prior to coming to DEQ in 2008, Jennifer built her expertise in water quality programs through various positions at U.S. EPA Headquarters during her 10 years there. Jennifer holds an MS degree in Environmental Engineering from Johns Hopkins University and a BS degree in Civil Engineering from Washington State University. *Connie Dou* is the Water Quality Program Manager in the Water Quality Division in Oregon DEQ. She currently manages the Water Quality Standards, Water Quality Assessment and the Drinking Water Protection programs. Before joining DEQ, she worked in water quality standards, TMDL and permitting in the Iowa Department of Natural Resources. She started her current position in December 2018. Connie obtained her Ph.D. degree in Environmental Engineering from the University of Nebraska. Connie is also a registered Professional Engineer. *Steve Mrazik* works as a water quality manager overseeing the TMDL and Nonpoint Source programs for the Oregon Department of Environmental Quality (DEQ). He has worked for DEQ since 1997 in the water quality programs, the laboratory, and the environmental assessment division. Steve has a B.S. degree in Zoology (Aquatic Ecology) from the University of Wisconsin in Madison.

		Benjamin Benninghoff serves as the Stormwater and Underground Injection Control program manager with Oregon Department of Environmental Quality (DEQ). During the past 24 years, Benjamin has worked for DEQ and the Wisconsin Department of Natural Resources in the wastewater (pretreatment, septage) and stormwater fields, including the past 18 years focusing on many aspects of urban and agricultural point and nonpoint source runoff programs and management. Benjamin has a B.S. degree in Environmental Geography from the University of Wisconsin – Oshkosh, and an M.A. degree in Water Resources Management from the University of Guelph (Ontario, Canada).
2:40 pm	**B R E A K**	
3:00 pm	**Nutrient Jeopardy in the Rogue River: City of Medford's Permitting Journey** …Adrienne Nemura, PE, Geosyntec …Johnny Leavy, Water Reclamation Facility Manager, City of Medford **Moderator:** Julia Crown	**Session Information and Relevance to Wastewater Professional Knowledge:** Effluent limits for phosphorus and nitrogen are increasingly being incorporated into NPDES permits by state regulatory agencies. Constructing new facilities to add advanced phosphorus and nitrogen removal are very expensive, so understanding treatment options and compliance strategies is very important for wastewater facilities managers, engineers and planners/analysts. This presentation will showcase Medford's nutrient permitting experience and will provide examples of other permitting approaches in the United States. **Speaker Information:** Adrienne Nemura, P.E., is a principal water resources engineer with Geosyntec Consultants out of Cleveland. She has 40 years of experience helping NPDES permittees across the country with federal Clean Water Act compliance challenges. Her technical background includes fate and transport of nutrients, bacteria, and other pollutants. In addition to private consulting, Adrienne worked for the Virginia Water Control Board and the Metropolitan Washington Council of Governments in DC. Ms. Nemura holds B.S. and M.S. degrees in Civil Engineering from Virginia Tech University in Blacksburg. Johnny Leavy is the manager of the City of Medford's Regional Water Reclamation Facility. Leavy has over 20 years of experience operating and maintaining wastewater treatment plants throughout the Pacific Northwest. He currently also serves as the Vice Chair of Oregon ACWA, helping to provide science-based practical services to ACWA members through education, regulatory advocacy, and partnerships for the development of proactive solutions for water resource management. Leavy is a DEQ-certified Grade IV Wastewater Treatment Plant Operator with an AAS degree in Manufacturing Technologies: Industrial Electronics from Southwestern Oregon Community College, Coos Bay.
4:00 pm (optional)	**DEQ Staff Available for One-on-One Discussions**	**Optional informal discussions.**
4:00 pm (optional)	**Informal Activities**	

6:30 pm	**No-Host Reception**	
7:00 pm	**Dinner on Patio**	

Friday, July 26, 2019

Time	Topic	Presentation Description; Relevance to Oregon Wastewater Professional Knowledge; Instructor Information
7:30 – 8:30 am	**ACWA Energy Committee Meeting and Presentation:** **Host/Moderator:** Kathleen Kelleher	**Optional Breakfast Meeting and Presentation: Updates on Funding Opportunities and Technologies to Help Wastewater Utilities Achieve Energy Efficiency and Resilience Objectives** **Speakers:** …Alicia Li. Project Manager, Renewables, ETO …Josh Proudfoot, Director, Climate and Sustainability, Parametrix
	ACWA Pretreatment Committee Meeting and Presentation: **Host/Moderators:** Pretreatment Committee Co-Chairs Chris Desiderati and Rachel Allen	**Optional Breakfast Meeting and Presentation**: **Hazardous Waste from a Pretreatment Perspective and Pretreatment from a Hazardous Waste Perspective** **Speakers:** …Nicole Morris, Pretreatment Coordinator, OR DEQ …Ryan Peterson, Senior Hazardous Waste Policy Analyst, OR DEQ
8:30-9:15 am	**Building a Strong Foundation for Oregon's Clean Water Future** … Shannon Davis, DEQ Deputy Director **Moderator:** Torrey Lindbo	**Session Information and Relevance to Wastewater Professional Knowledge:** In this presentation, Deputy Director Davis will provide an overview of key water quality issues and initiatives/actions internal and external to DEQ that are driving the Department's work related to water quality. She will be discussing the following topics in her presentation: • Federal level: Executive Orders, funding, EPA changes and the intersection with DEQ, Environmental Council of the States; • Oregon: Governor's office and priorities, how the agency is adapting to uncertainty, legislative session outcomes; • DEQ priorities: Environmental Justice, Strategic Plan, and Diversity, Equity, and Inclusion; • Water Quality Program items; and • Partnering with communities This presentation is relevant to wastewater professionals because it is important for them to understand and anticipate DEQ's priority regulatory initiatives and opportunities to work through water quality challenges in partnership. **Speaker Information:** Shannon Davis serves as the Deputy Director of the Oregon Department of Environmental Quality. As deputy, Shannon provides oversight and policy implementation guidance to DEQ's three Regional Administrators and Laboratory Administrator.

		Among other responsibilities, she currently oversees DEQ's Office of Compliance and Enforcement and works closely with the Central Services Division to further DEQ's work and commitment on diversity, equity and inclusion as well as helping lead DEQ's environmental justice efforts. She initially joined ODEQ in 2017 as the Materials Management Section Manager. Her expansive background includes serving as the Land Quality (or Waste Programs) Division Director for the Arizona Department of Environmental Quality. Shannon's notable environmental work also includes tackling environmental issues while working for the U.S. Environmental Protection Agency and working with a member of the U.S. Congress.
9:15 – 10:00 am	**National Issues and Trends for Wastewater and Stormwater Utilities** …Kristina Surfus, Government Affairs Manager, NACWA **Moderator:** Torrey Lindbo	**Session Information and Relevance to Wastewater Professional Knowledge:** This session will provide an update on key developments and clean water sector priorities in the federal legislative and regulatory arena. Topics will include the status of federal funding including the State Revolving Funds and WIFIA Program; PFAS regulations, the Draft Sewage Sludge Risk Assessment and efforts to preserve biosolids land management; the federal temporary low-income household water assistance program and efforts toward establishing a permanent program; progress on federal non-flushable wipes legislation; and changes within the organization and staffing at U.S. EPA. This presentation is important to wastewater professionals because it is important for them to understand the critical water quality and infrastructure funding discussions, legislation, and litigation going on at the national level and how they can get involved to have their concerns heard individually and collectively through ACWA and NACWA. **Speaker Information:** Kristina Surfus joined the National Association of Clean Water Agencies (NACWA) in 2015 and now serves as Managing Director, Government Affairs. In this role, she leads NACWA's federal legislative and regulatory teams to support the work of public clean water agencies around the country. Prior to joining NACWA, she worked on Capitol Hill and as a municipal environmental and economic consultant. Ms. Surfus earned a Masters of Freshwater Science and Policy from the University of Wisconsin, Milwaukee and a B.S. degree in Environmental Analysis & Policy and International Relations from Boston University.
10:00 am	**B R E A K**	
10:20 am	**The Best of the Best—Annual ACWA Awards** **Moderators:** Torrey Lindbo, Johnny Leavy, and Jerry Linder	**Session Information and Relevance to Wastewater Professional Knowledge:** **Speaker Information:**

11:00 am	**Partnerships for Healing a Basin: How Collaboration Has Helped to Begin the Rebirth of the Klamath River** …Richard Whitman, State of Oregon …William Ray, Chair, Klamath Tribes Tribal Council …Scott Seuss, President, Klamath Water Users **Moderator:**	**Session Information and Relevance to Wastewater Professional Knowledge:** This session will be a three-part presentation from three key parties involved in the planning, coordination, negotiations, and implementation of the Klamath River dam removal and restoration project. Richard Whitman, who has coordinated the state's involvement in oversight of the Klamath River dam removal projects, will provide an overview and will address key water quality and quantity issues that have been addressed throughout the project. William Ray, Chairman of the Klamath Tribes, will speak about the perspectives of the Klamath Tribes on the critical work still to be done to heal the Klamath basin. Finally, Scott Seuss, President of the Klamath Water Users Association, will provide perspectives from the agricultural communities that really on Klamath River water availability to support the agricultural economies of the area. While it remains a work in progress, the issues tackled and the ways the parties have come together over the years to resolve them can serve as an instructive model wastewater and stormwater professionals in the state that can be applied to local watershed restoration needs with multiple stakeholders and interests involved. **Speaker Information:** Richard Whitman currently coordinates work in the Klamath basin for the Oregon Water Resources Department and the Oregon Department of Fish and Wildlife, including oversight of the removal of the former hydroelectric dams, and work on the remaining two federal dams. Mr. Whitman has worked on Klamath basin water and water quality issues for almost twenty-five years and has facilitated collaboration between multiple partners for much of that time. Whitman served as the Director Oregon DEQ from 2017 through 2023. Whitman has served in various capacities for the State of Oregon, including serving as the Policy director for the Governor's Natural Resources Office from 2011 to 2016, as the Director of the Land Conservation and Development from 2008 to 2011, and as the director of the natural resources section of the Justice Department. Whitman holds a J.D. from the UC Berkeley Boalt School of Law. William Ray is the Tribal Chairman of the Klamath Tribes. Along with the Tribal Council, Chairman Ray is working to preserve and restore the resources that are central to the existence of the Klamath Tribes, including the restoration of wetlands and streams, and the survival and return of fisheries. Scott Seuss serves as the President of the Klamath Water Users Association. He is the third generation of his family to farm the family homestead his grandfather was awarded following World War II. After graduating with an Ag Business degree from Cal Poly San Luis Obispo, Scott returned home and became involved in water and power issues plaguing the Klamath Basin. Scott has held the role of chairman of the Klamath Water Users power committee, was an active part of KBRA negotiations, has been a board member of the Lava Beds Butte Valley Rural Conservation

		District since 2001, a past fellow of the California Agricultural Leadership Program, is in his 9th year as a board member of the Tulelake Irrigation District and has been a board member of the Klamath Water Users Association on and off for the last 20 years.
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