

PNCWA2024 Speaker Bios

Abby Haydin

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Communication Coordinator, City of Boise Public Works Department

Abby is a communication professional with a foundation in environmental work. She guides the community engagement strategy for the City of Boise's Water Renewal Services, including water renewal, water quality, the recycled water program, and river restoration. She brings deep knowledge of environmental conservation and communication, holding a bachelor's degree with majors in wildlife ecology and environmental studies.

Adrian Romero

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Senior Water Resource Recovery Technologist, Jacobs

Adrian Romero is a senior water resource recovery technologist with Jacobs in the Charlotte office with expertise extending from sewer processes in collection systems; wastewater treatment; odor control technology; resource recovery; to biosolids treatment and management including anaerobic digestion.

Adrienne Menniti

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Principal Process Engineer, Clean Water Services

Adrienne Menniti, PhD, PE is a Principal Process Engineer at Clean Water Services.

Ahmed Al-Omari

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Senior Process and Technical Specialist, brown and caldwell

Ahmed is a Senior Process and Technical Specialist at Brown and Caldwell who has been involved with process design and technology development focusing on topics like nutrient removal, energy optimization, and resource recovery. Ahmed currently serves as Brown and Caldwell's National Practice Leader for Biological/chemical Treatment. Ahmed has been involved in the development of PdNA as a viable shortcut nitrogen removal option since 2011 when he led the R&D at DC Water. Currently, he is serving as the primary investigator of two WRF's projects focusing on advancing PdNA at fullscale to broaden its application to serve various needs across the US.

Alex Yoffie, PE

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Water Engineer, Jacobs

Alex is a process engineer with a variety of experiences in the wastewater treatment industry. His experience includes wastewater treatment plant process engineering, detailed design, commissioning, and wastewater treatment modeling. Alex has spent the last year and a half leading the commissioning of Project Group F at the Nampa Wastewater Treatment Plant.

Alison Nojima

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National Energy Specialty Leader, Brown and Caldwell

Alison (Noji) is Brown and Caldwell's national energy leader and specializes in energy financial analyses for various biogas utilization technologies. She supports clients by working together to identify the best combination of alternatives that provide economic value and achieve their energy and sustainability goals. She has served as an engineer on wastewater treatment design projects and feasibility studies, including biogas upgrading to RNG, cogeneration, co-digestion, and digestion. She is passionate about renewable energy and finding grants and opportunities to help the right decarbonization projects move forward. Noji earned her M.S. in Civil and Environmental Engineering from Stanford University and her B.S. in Civil Engineering from Santa Clara University. She is a registered P.E. in California.

Allison Hornak

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Sr. Associate Environmental Engineer, Brown and Caldwell

Allison Hornak has a passion for supporting utilities in strategic planning through making value driven decisions. Allison is an environmental engineer with Brown and Caldwell with experience delivering both wastewater and recycled water projects. In recent years, Allison has focused on

utility planning and permitting; however, she spent the first five years of her water career as a design engineer working on various projects within the fence of wastewater treatment plants - for both industrial and municipal clients.

When not at work, Allison can be found enjoying the outdoors with her family on the numerous sunny days in Boise or curled up with a book on the few rainy days.

Allison Lukens, PE

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Staff Engineer, Kennedy Jenks Consultants

Allison Lukens is Professional Engineer passionate about delivering innovative solutions to tough client challenges. After graduating with a bachelor's degree in Environmental Engineering from Michigan State, she started work on reclaimed water and wastewater projects in Florida before moving to Portland and eventually joining Kennedy Jenks. Her areas of expertise include water/wastewater design and planning, process mechanical design, and hydraulic modeling.

Amin Mahdipour

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Senior Engineer, Clean Water Services

Amit Kaldate

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VP of Business Development, TOMORROW WATER

Amit Kaldate is Vice President with Tomorrow Water and has 22 years of extensive experience in design, commercialization, management and growth of technologies. He received his Ph.D. from University of Illinois, Urbana-Champaign. His past affiliations include Suez and CDM Smith. He has contributed to water industry by serving on committees (WEF Program, WEF Innovations in Process Engineering, WRF Energy Advisory) and task forces (WEF MOP8, MOP31, Utility of the Future, WRF LIFT).

Amit Kaldate

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Vice President, Tomorrow Water

Amit Kaldate is Vice President with Tomorrow Water and has 22 years of extensive experience in design, commercialization, and growth of technologies. He received his Ph.D. from University of Illinois, Urbana-Champaign. He has contributed to water industry by serving on committees (WEF Program, WEF Innovations in Process Engineering, WRF Energy Advisory) and task forces (WEF MOP8, MOP31, Utility of the Future, WRF LIFT).

Amy Carlson

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Water Resources Engineer, Jacobs

Amy Carlson is a Water Resources Engineer with Jacobs. Throughout her career, Amy has worked to strategically address complex water resources and stormwater problems with solutions that provide multiple benefits. She has worked to balance 'people needs' with 'environmental needs' on infrastructure projects including stormwater parks, focusing on partnerships and addressing barriers to implementation.

Andrew Christy

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, Cambi

Andrew Christy is the US Sales Manager for Cambi, living and working out of San Diego, CA. Andrew is actively involved in many state and national biosolids organizations including the NW Biosolids.

Andrew Pharis, DBIA

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Vice President of Operations, Slayden Constructors

Andrew has 16 years of experience in the construction industry. He graduated with a bachelor's degree in construction management from Boise State University. Andrew has worked his way from a general laborer to his current role as Vice President of Operation at Slayden Constructors. He has managed heavy civil construction projects across the Pacific Northwest for scopes including concrete, demo, blasting, and heavy earthwork. As a project manager, he has worked on both alternative delivery and design-build projects, including work within operating facilities, deep excavation, and dewatering operations. He has strong program and project management professional and is skilled in construction management, client relations, customer service, and leadership.

Andy Zimmerman

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Nampa WRF Superintendent, City of Nampa

Anirudh Bhatia

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Graduate Research Assistant, Oregon State University

Anirudh Bhatia is a doctoral student in Bioengineering at Oregon State University, where he serves as a Graduate Research Assistant within the Oregon Wastewater Surveillance Research Group. An integral member of the bioinformatics team, Anirudh is tasked with submitting all wastewater sequence data to the National Center for Biotechnology Information, Sequence Read Archive and developing bioinformatics pipelines for future projects. His responsibilities also extend to working closely with the communications team to develop Python scripts that streamline the sharing of data with participating wastewater utilities. Anirudh's research interests are centered around statistical genomics, phylogenetics, and population genomics, with a particular focus on viruses in wastewater. He earned his bachelor's degree in Biotechnology from JIIT, India, where he actively engaged in a research project focused on the bioprocess production of cellulose from bacteria. Anirudh is dedicated to scientific innovation and community collaboration, enhancing public health surveillance through his work.

Anna Scopp

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Principal Scientist, Hazen and Sawyer

Anna entered the wastewater landscape after graduating with a Bachelor's in Cellular Biology from the University of Kansas and Master's in Microbiology from CU-Denver. For the last two years Anna has worked for Hazen and Sawyer, serving a wide range of clients across the intermountain region. Prior to Hazen, she spent nearly half a decade at Metro Water Recovery, spearheading analytical lab work and facilitating large-scale piloting efforts like the AB2 full-scale densification pilot. Beyond her professional endeavors, Anna spends much of her free time serving on the Denver leadership committee for the Leukemia and Lymphoma Society. When not in the field or giving back, she finds solace in the mountains, cherishing moments with her family.

Anne Conklin

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Principal Technologist, Carollo Engineers, Inc.

Anthony Benavidez

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Project Manager - Spokane County Regional Water Reclamation Facility, Jacobs

Anthony Benavidez is the Project Manger for Jacobs at the Spokane County Regional Water Reclamation Facility (SCRWRF) where he oversees the facility operations and maintenance. His devotion to maintaining the water resources of our communities has earned him the Hatfield Award for excellence in wastewater treatment operations. His 20 years of wastewater treatment experience includes O&M experience at 8 different treatment facilities in 3 states. He currently holds a Washington State Group IV Wastewater Treatment Operator License. Anthony has worked at SCRWRF for 13 years as an operator, supervisor, IPP specialist and project manager. Anthony was born in Spokane and continues to live, work, and play there. When he is not working, Anthony enjoys downhill skiing, ice hockey, riding dirt bikes, and boating on the many lakes in the area with his wife and two daughters.

Arevik Sargsyan, P.E.

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Senior Civil Engineer, Seattle Public Utilities

Arevik Sargsyan is a Senior Civil Engineer with Seattle Public Utilities (SPU) System Management Division working within Wastewater System Operations Planning and Analysis group. She serves as an asset manager and a subject matter expert for SPU's operable and passive CSO facilities. Her work includes monitoring and analyzing level and flow data for SPU's wastewater facilities. Prior to SPU, Arevik worked as an engineering consultant with primary focus on waterfront infrastructure. Arevik is a licensed Professional Engineer and Envision Sustainability Professional with a BS in Civil Engineering from California State Polytechnic University, Pomona.

Austin Carnes

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Wastewater Process Manager, City of Boise

Austin Carnes was recently promoted to Wastewater Process Manager for the City of Boise. He has ten years of experience in the wastewater field as an Operator and Process Analyst and holds a Wastewater Treatment Operator Class IV license in the State of Idaho. Austin earned an undergraduate degree in Environmental Science and is currently pursuing a Master's Degree in Environmental Science through the University of Arizona.

Austin Walkins

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Source Control Manager, City of Boise

Austin has served as the Source Control Manager for the City of Boise for the past 4 years, where he manages the Pretreatment and Stormwater programs. In addition to his normal duties, he's interested in deploying monitoring equipment in the collection system and building data visualization dashboards to assess real-time conditions in the Boise's collection and treatment system. Prior to joining the City of Boise, Austin worked on policy development and contaminated site remediation. Austin holds an M.S. in Geology from Boston College and B.S. in Hydrology with a minor in Applied Mathematics from Boise State University.

Barry Garcia

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Operation's Supervisor, City of Nampa

Ben Miller

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Project Manager, Tetra Tech

Ben Miller is a project manager and regional client service manager for Tetra Tech. He is a graduate of the University of Colorado with an undergraduate degree in environmental engineering and a masters degree in civil engineering. However, hour-wise, he should have received enough credit to have a PhD in fly fishing. Ben has spent 11 years as a consulting engineer in water and wastewater having worked on projects ranging from 4-inch sewer connections all the way to a 540 million gallon per day water treatment plant.

Ben Stanford

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Associate Vice President & National Digital Services Lead, Hazen and Sawyer

Ben Stanford, PhD is the National Digital Services Lead for Hazen and Sawyer.

Birgitte Ahring

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Professor, WSU

Current Position

Professor, Chemical Engineering & Biological Systems Engineering, Washington State University

Research areas

Clean-technology for Biofuels and Bio-products production; Decarbonization of energy systems; Production of BioChemicals and RNG (renewable natural gas) from waste; CO2 to fuels and bio-products, hydrogen technology.

Bob Jacobsen, P.E.

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Project Manager, Brown and Caldwell

Bob Jacobsen is a senior project manager for Brown and Caldwell with over 20 years of experience in the underground utility (water/wastewater/storm drain) industry, with an emphasis on aging infrastructure. He has his undergraduate degree from Virginia Tech and a graduate degree from Johns Hopkins University.

Brad Albert

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Public Works Director, Oak Lodge Water Services

Brandon Coleman

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Missouri / Kansas Wastewater Section Manager, HDR

Brandon Coleman is a graduate of the University of Missouri Columbia with BS in Civil/Environmental Engineering. Brandon has over 24 years' experience in the wastewater field and serves as a Project Manager for treatment related projects which includes design, client relations and construction administration responsibilities.

Brandon M. Boyd

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Student, University of Idaho

Brandon M. Boyd is a current graduate student at the University of Idaho. His research is focused on the optimization of a PHA-based bioplastic production process. This Research includes interrogating VFA feed concentrations to maximize a mixed microbial culture's production of PHA and reliably detecting the depletion of VFAs in the system. Furthermore, a machine learning model is being developed using various input signals to detect VFA depletion.

Brian Busiek

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Brian Roman

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Doctoral Student, University of Washington

Brian Roman is a doctoral student in environmental engineering at the University of Washington. He earned his bachelor's and master's degree in civil and environmental engineering from Arizona State University. He is now working in Dr. Mari Winkler's lab at the University of Washington with a research focus on resource recovery via biological waste treatment processes.

Brittany Park, P.E.

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Renewable Development Manager, NW Natural

Brittany leads the business development of new decarbonized gas opportunities for NW Natural. As one of the first natural gas utilities in the nation to establish voluntary carbon reduction goals and champion policies that encourage Renewable Natural Gas (RNG) development, NW Natural is committed to supporting the growing RNG market and bringing these important low-carbon resources to our customers. NW Natural currently has two operating RNG facilities, one commencing construction, and multiple RNG purchase agreements. Brittany is a professional engineer and prior to NW Natural has over 10 years of experience in management of industrial and municipal wastewater treatment capital improvement projects. She holds a BSc in Chemical Engineering from Oregon State University and a MSc in Infrastructure Engineering and Management from the University of Surrey.

Bryan Lisk PE, CEM

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Associate Vice President, Hazen

Bryan Lisk is Hazen and Sawyer's national energy management services leader with 25 years of energy management and design experience in the water and wastewater field. Bryan is involved in many aspects of energy management including energy strategic planning, energy program development, bioenergy recovery, and energy data management and visualization. Bryan specializes in renewable and non-renewable onsite power generation systems, bioenergy recovery systems, energy procurement services and power distribution systems. Bryan is also a Certified Energy Manager by the Association of Energy Engineers.

Bryce Danker

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Senior Associate, Hazen and Sawyer

Bryce Figdore

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Senior Wastewater Process Engineer, HDR

Bryce Figdore is a senior wastewater process engineer with HDR based in Everett, WA. Bryce has Bachelor's, Master's and Doctorate degrees, respectively, from Penn State, Villanova, and the University of Washington. He is enthusiastic about applying his expertise in biological nutrient removal to deliver robust and innovative wastewater treatment solutions. Outside of these pursuits, Bryce enjoys fly fishing, tennis, and hiking with his family.

Bryce Kerney

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Product Manager, Huber Technology, Inc.

My name is Bryce Kerney. I come from a background in mechanical engineering at the University of Iowa. I started my career as a manufacturing design engineer in the military defense industry, and now thrilled be involved in the water treatment industry as I am passionate about manufacturing,

problem solving, and providing process driven solutions. I have worked for HUBER Technology, Inc. for two years now, where I have recently stepped into the role of Filtration Product Manager.

Carrie Murillo-Oaks

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Senior Water/Wastewater Engineer, HDR

Carrie is a senior water/wastewater engineer and project manager with 18 years of experience, all of which have been with HDR. She specializes in planning and design for large, multidisciplinary capital projects including large regional combined sewer overflow (CSO) control and wastewater conveyance projects. Carrie has worked on numerous projects with the King County Wastewater Treatment Division from planning, design, through construction.

Chase Nelson, EIT

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PSU student, Portland State University

Chris Baersten

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Senior Engineer, Kennedy Jenks

Chris has 17 years of experience managing and leading engineering services for treatment, pumping, and conveyance infrastructure projects. His experience with ranges from feasibility studies and planning to design and construction management. Chris has worked on projects involving equipment preselection at wastewater facilities, including UV preselection for the Brightwater Treatment Plant which will be discussed in his presentation.

Chris Machado

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Senior Principal Engineer, Stantec

Chris is one of Stantec's wastewater practice leaders with 22 years of experience. His work includes wastewater treatment process design, facility assessment and planning, process optimization, design management, engineering services during construction, research, and development. Chris is specialized in biological nutrient removal (BNR) and has participated in

several BNR design, planning, and evaluation projects involving both nitrogen and phosphorus removal.

Chris McCalib

Chris@tec-nw.com

President, Treatment Equipment Company

Chris is the President/Owner of (TEC). Coming from Lakehaven Water and Sewer, where he was the WW Operations Manager for 8 years. He was responsible for 2 WWTPs, as well as numerous groups within the district. Prior to Lakehaven, Chris worked in all facets of operations at SW Suburban Sewer District for 7 years. He is actively involved in the NW Biosolids Management Association Board of Directors, serving as president, and past VP for the PNCWA.

Christina Davenport

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Client Director, Black and Veatch

Christina is a Client Director with Black and Veatch in the PNW. She has more than 20 years' experience developing and managing public health and environmental programs in state and local government. Enthusiastic about finding innovative and sustainable solutions for managing resources, she brings diverse community stakeholders together to find unique opportunities to enhance facility operations, improve utility performance and source control, while assisting with permitting and compliance challenges, identifying reuse options, and developing resource recovery roadmaps.

Christina holds a degree in Biology from East Carolina University, certificates in Public Health Administration from the University of North Carolina, Chapel Hill and WEF Water Leadership Institute. Former Chair of PNCWA Resource Recovery Committee.

Her free time is spent outdoors exploring everything the PNW has to offer including hiking, kayaking, snowboarding, and enjoying great food and music with friends and family! She loves travelling to unique and remote places.

Christopher Muller

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National Innovation and Technology Lead- Solids and Energy, Brown and Caldwell

Dr. Christopher Muller is the National Technology and Innovation Lead- Solids and Energy, for Brown and Caldwell based out of Andover, Massachusetts. In his roll, he works with his team to evaluate, develop and deploy emerging technologies and processes for the enhancement of solids process efficiency, resource and energy recovery. In Chris's 17 years with BC Chris has primarily worked as a process engineer in the areas of solids process, design, optimization, and enhancement with a focus on co-digestion and resource recovery. He is a registered professional engineer in the State of Washington, New York and Massachusetts.

Clint Dolsby

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Assistant City Engineer - Wastewater, City of Meridian, ID

Colin Wilson Root

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Operations Specialist - Research, Clean Water Services

Colin Root is an Operations Specialist at Clean Water Services and a registered EIT in Oregon. Colin holds a bachelor's degree in Biology from Willamette University and a master's degree in Civil & Environmental Engineering from Colorado School of Mines. His passion for applying biologically-mediated processes to environmental engineering problems stems from his prior decade of professional explorations in molecular, cellular, and microbiology. Colin previously worked with the Center for Mining Sustainability to develop a sustainable method to improve arsenic removal from water by coupling wetland-inspired bioreactors with nanofiltration systems, and recently published his findings in the International Water Association's scientific journal Water Research. Now at CWS, he measures phosphorus flux in a constructed treatment wetland and studies biological phosphorus removal in secondary aeration basins.

Corey Klibert

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Senior Process Technologist, Jacobs

Corey is a senior process technologist at Jacobs Engineering Group, Inc., where he specializes in wastewater process modeling, anaerobic digestion, biogas generation and utilization, and biological nutrient removal at wastewater treatment plants. He is a core member of Jacobs' advanced digestion research team, which has developed the microbial hydrolysis process for hyper-thermophilic digestion of cellulose and other recalcitrant compounds in wastewater solids. He has led the process modeling and design efforts for several large capital improvement and planning projects for major municipal wastewater treatment plants in the region and

internationally. He serves as a resource for operations staff at Jacobs-operated plants and enjoys solving operational challenges and optimizing existing plant processes.

Craig Borrenpohl

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Utilities Manager, City of Post Falls, Idaho

Dan Hingley

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Wastewater Treatment Business Class Leader, HDR

Dan currently serves as HDR's East Region Wastewater Treatment Business Class Leader, managing and providing expertise on wastewater projects across the east coast. Dan's consulting experience includes pilot study design and operations, process modeling, process optimization and intensification evaluations, design management, and project management. Dan also spent five years as the Operations and Engineering Director for a water and wastewater utility in Virginia.

Dan Stanaway

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Principal Scientist, Brown and Caldwell

Dan is a technical leader experienced in driving multidisciplinary teams in water modeling, groundwater investigations, water rights and water compliance and he works with private sector and municipal clients to address water resource challenges. Dan has led complex projects in his role as task manager of multi-disciplinary water modeling teams and aquifer recharge projects, as well as managed projects for mining and government clients. He has in-depth experience with National Environmental Policy Act permitting and agency interactions with his work in the mining sector where he has provided leadership and technical support of hydrogeologic evaluations and water modeling. With water resource management, he has supported government and municipal clients in project and task management and technical support of water supply, water rights, and aquifer recharge projects.

Dana Devin-Clarke, P.E.

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Engineer III, Integrated Planning, City of Portland, Bureau of Environmental Services

Dana Devin-Clarke is a graduate of the University of Washington where she received a double Masters in Science and Engineering. Her thesis work focused on the safety and benefits of producing and reusing wastewater residuals in particular biosolids and reclaimed water. She has more than thirteen years' experience as a project engineer and project manager working in wastewater treatment and sewer conveyance systems. In this role she gained a wide variety of experience designing wastewater treatment plant processes including solids treatment processes, nonpotable water systems, chemical disinfection systems, and odor treatment systems. In her current role, she leads planning projects in support of the wastewater treatment plant and pump station portfolios for City of Portland. She also is helping coach one of the Portland Operations challenge teams. Come by and cheer the teams on!

Daniel Buonadonna

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Global Principal, Jacobs

Global Principal for Jacobs Pipeline Condition Assessment & Rehabilitation Services Community of Practice.

Daniel Marrin

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Laboratory Supervisor, Clean Water Services

Dan is a Laboratory Supervisor for the Water Quality Laboratory at Clean Water Services. He received a dual bachelor's degree in chemistry and biology and is a trained environmental chemist with 34 years' experience running predominately inorganic equipment and lab operations. Prior to joining Clean Water Services, he managed laboratory operations in 3 different labs. He has been involved in various types of analytical work for local, state, and federal agencies and engineering firms which has enabled him to get an in-depth knowledge of equipment set-up, operation, maintenance, and repair. He has also been involved in multiple lab re-locations which has helped him gain an advanced ability to not only troubleshoot equipment, but knowledge of what it takes to get facilities prepared for a variety of equipment installation. His most recent analytical procurement, prior to becoming laboratory supervisor, was the LC-MSMS system and lab space preparation for PFAS testing.

Dave Clark

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Wastewater Market Sector Director, HDR

Dave Clark is the national wastewater market sector director for HDR with a long history in the wastewater treatment industry. He leads many initiatives like nitrogen removal optimization, integrated planning, and regulatory risk management (including PFAS regulations).

David Brearley

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Control Systems & Cybersecurity Director, HDR

David Brearley (CISM, GICSP, PMP) is HDR's Global Director of Control Systems and Operational Technology Cybersecurity Services, and a Principal Professional Associate. He has over 20 years of international experience in providing IT & OT solutions, services, and consulting. David spent the first 15 years of his career implementing control system solutions spanning numerous market sectors including all 16 US Critical Infrastructure sectors.

He is now responsible for HDR's international control systems and cybersecurity services program providing consulting, assessment, design and compliance review services in support of HDR's successful cross-sector businesses.

David Briggs

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Staff Engineer II, City of Meridian, ID

David L. Clark

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Senior Vice President, Wastewater Director, HDR

David Clark is Senior Vice President and serves as HDR Engineering, Inc.'s Market Sector Director for Wastewater. He has more than 40 years of consulting experience and currently leads strategic efforts in understanding wastewater regulatory issues as they affect wastewater utilities. He is the Principal Investigator for The Water Research Foundation (WRF) Holistic Approach to Improved Nutrient Management research project (WRF4974).

David Mickle

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Research Faculty Assistant, Oregon State University

David Mickle serves as a Research Faculty Assistant at Oregon State University, responsible for managing the biomolecular component of the Wastewater Surveillance Pipeline. In this role, he oversees the operation of dPCR multiplex assays, crucial for data generation across 40 wastewater treatment plants serviced by the university team. David's expertise extends to utilizing R script for data analysis and validating new targets integrated into the pipeline. Notably, he successfully led the transition from ddPCR on the Bio Rad system to dPCR on the Qiacuity system last summer. Prior to this role, David excelled as a Research Associate at Benson Hill, contributing to complex vector design and gene editing optimization experiments. His dedication was recognized with the Collaborative Award in Q1 of 2021 for characterizing two Palmitic Acid genes in Soybean. With a Bachelor's in Biological Sciences from California Polytechnic State University, David is a proactive and adaptable leader committed to driving innovation and supporting the success of his peers within the Wastewater Surveillance team through his direct involvement in a variety of projects.

David Primozich

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Vice President of Water, The Freshwater Trust

David Primozich, Vice President of Water for The Freshwater Trust (Portland, Oregon) has more than 20 years of experience working with private and public entities building solutions for water challenges. He is a national leader in the development and permitting of large-scale, watershed-based compliance programs that drive millions of dollars to working lands conservation and quantifiable environmental gains. At The Freshwater Trust, he directs and manages teams responsible for watershed analytics, program design, and implementation. David was a member of the TFT team that received the U.S. Water Prize for innovative water quality trading program (2013).

DeAnn Brown

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Senior Project Manager, City of Boise Public Works Department

With over a decade of experience in the water and wastewater industry, DeAnn is an experienced engineer and project manager who excels in fostering collaboration with various internal and external stakeholders, ensuring the successful implementation of water-related projects. Her current role in advancing the City of Boise's recycled water program reflects her commitment to advancing sustainable and efficient water management solutions.

Dinh Nguyen

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TPSD – Automation & Electrical Sr. EA, City of Portland Bureau of Environmental Services

Dinh Nguyen is a new addition to BES. He brings experience with a variety of industrial automation technologies ranging from industrial communication to automated control system design. He has over 6 years of experience with automated processes and communication to deter and detect human intrusion profile utilizing camera, radar, motion sensor, and A.I technologies. Dinh joined BES to support process network infrastructure improvements and bring the idea of Smart City to a reality.

Don Ranger, PE

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Capital Program Manager, Alderwood Water & Wastewater District

- Don has 22 year's experience serving the public employee and consultant. He is Alderwood's Capital Program Manager after spending time working for the Cities of Shoreline and Bothell. He has served as the project engineer for various roadway, utility, and stream restoration projects. He holds a bachelor's degree in Civil and Environmental Engineering from the University of Washington and is a registered Professional Engineer in the State of Washington. Don is passionate about helping others develop their professional skills and confidence.

Douglas Keene

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Director of BD Advanced NDE, Industrial Inspection and Analysis

Dustin Atchison

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Global Principal Stormwater and Watershed Management, Jacobs

Dustin is Jacobs' Global Principal for Stormwater and Watershed Management with over 24 years of experience (19+ at Jacobs/CH2M) in water resources and stormwater management. Mr. Atchison is a recognized regional and national leader in green infrastructure with project management and technical expertise in development of master plans, guidelines, education and implementation of stormwater solutions that bring multiple benefits to communities. Additionally, Dustin enjoys extending this skillset to ecosystem restoration projects including stream and wetland restoration and culvert fish passage replacement projects.

Eddie Kreipe

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Senior Engineer, Consor

Eddie is a senior Engineer at Consor where he provides pumping system solutions to local wastewater and water agencies in the Pacific Northwest. He and Consor are Standards Partners with the Hydraulic Institute and Eddie is currently serving on a new committee to develop a Pump Application Guideline for Wastewater Collection Systems. Eddie really enjoys assisting wastewater agencies in planning and designing pump stations and pipelines to serve the community and targets providing efficient, reliable and operator friendly designs.

Edward Black

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Graduate Student, University of Idaho

Edward is currently a graduate student at the University of Idaho, conducting research to further understand EBPR with a focus on anaerobic zones and fermentation.

Elaine Leonard

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Water/Wastewater EIT, HDR

Elaine is an engineer in training with experience in wastewater operations, treatment design, and plant hydraulics. Under the guidance of a PE, she provides detailed design and specification documents for wastewater treatment and collection systems. In school, Elaine worked as a wastewater treatment plant operator in Iowa. Her experience in operations and maintenance, coupled with her studies in chemical engineering, has led her to a collaborative project in plant-specific sludge rheology testing, which was piloted on two plants in Washington state.

Emmett Minner

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Senior Startup and Commissioning Engineer, MWH

Emmett is a Senior Commissioning and Startup (C&SU) Engineer with MWH Constructors, focusing on the mechanical aspects of C&SU in Water and Wastewater treatment. Emmett has a combined 5 years of experience working with multidisciplinary teams on both the design side, maintenance side, and commissioning side of projects. Emmett's design experience provides a foundational understanding of system calculations, specification requirements, and project budgeting

requirements. As a Maintenance Engineer, Emmett received hands on knowledge of system servicing requirements, failure analysis and prevention, and equipment life expectancies. Finally, as a C&SU Engineer, Emmett is able to combine his previous experience to expedite the startup process, troubleshoot and correct equipment issues, and train operation and maintenance staff.

Eric Dienst, P.E.

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Project Manager, Tetra Tech

Eric Dienst is a project manager for Tetra Tech with over 11 years of experience in wastewater treatment and infrastructure. He has his undergraduate degree from Syracuse University.

Eric Dodds

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Program Manager, AE2S

Eric Dodds is a Program Manager with AE2S, where he has over 20-years of experience with water systems planning and management. Eric and AE2S were hired to assist the City of Boise develop the Assured Water Supply (AWS) provision in the city's Modern Zoning Code and the associated implementation plan. Eric holds bachelor's and master's degrees in Civil Engineering from North Dakota State University. Outside of work, he enjoys downhill skiing, generally most things outdoors, and cheering on the NDSU Bison.

Eric Roundy, P.E., BCEE

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Process Engineer, Keller Associates, Inc.

Eric has 20 years of experience designing and evaluating wastewater treatment systems. He has a master's degree in environmental engineering from the University of Illinois at Urbana-Champaign, a bachelor's degree in civil engineering from the University of Nebraska-Lincoln, and a master's degree in business administration from Mississippi State University. He is a licensed professional engineer in five states, including Idaho, Washington, and Oregon.

Erik R. Coats

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Professor, University of Idaho

Dr. Erik R. Coats is a Professor of Environmental Engineering at the University of Idaho. He is also a licensed professional engineer in Oregon, Washington, and Idaho. Dr. Coats' research is focused on i) wastewater resource recovery, ii) developing an enhanced molecular-level understanding of biological nutrient removal processes, and iii) wastewater-based epidemiology (WBE). Dr. Coats' team applies molecular techniques to interrogate these microbial processes. (<https://www.webpages.uidaho.edu/ecoats/>).

Erin Cox

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Water Resources Strategic Growth Leader, Jacobs Engineering Group

Erin Cox is a Water Resources Expert, an Environmental Engineer, and the Northwest Water Resources Strategic Growth Leader at Jacobs. Erin has a B.S. in Biology, a M.S. in Water Resources and Environmental Engineering, and she is a PhD candidate in Biological Design. Her areas of expertise include water quality, water resources, reuse, stormwater, and engineering with nature. Erin's professional career started in Newport Beach, CA working on complex water challenges at McGuire Environmental Consultants and then she worked as a Project Manager and in Business Development at CH2M HILL/Jacobs throughout the country for over 13 years. After a 10-year hiatus as an author and professor teaching environmental and water-related courses in Oregon Tech's Civil Engineering program, she rejoined the consulting world in 2021. Her passion is protecting, improving, and sustaining water resources for future generations! She loves spending time reading, traveling, biking, hiking, and exploring with her three kids.

Erin Mackey

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Project Director, Earth Economics

Erin's background in nutrient management has a strong emphasis on agricultural research, especially the juncture between environmental sustainability and agribusiness viability. She has designed and conducted comprehensive primary research using quantitative analysis across various life science domains. At Earth Economics, Erin uses her working lands experience to find economically practical solutions and improve stakeholder buy-in.

Esther Nadarajan, PE

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Commissioning Manager, MWH

Esther is a Commissioning and Startup (C&SU) Manager focusing on process mechanical aspects of commissioning and start-up in water and wastewater treatment. Esther has a combined 12 years of experience working on a multi-disciplinary design team in a water/wastewater design group and as a commissioning manager. As a process mechanical design engineer, she gained valuable experience in water treatment design, wastewater treatment design, pilot plant design, equipment evaluation and procurement, treatment budgeting and construction support services. As a commissioning manager, Esther is responsible for seeding and startup plans for biological treatment systems, implementing functional test plans, startup of equipment and systems, supporting daily commissioning activities and managing commissioning teams for successful project startups.

Frank Dick, P.E.

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Wastewater Engineering Manager, Department of Public Works - Engineering, City of Vancouver

Frank oversees sewer and wastewater engineering functions including capital projects, wastewater system planning, interface with the City's contract operator for wastewater (Jacobs), and the city's fully delegated pretreatment program. He has worked in these functions in Vancouver for 17 years.

He has developed energy management programs for both of Vancouver's wastewater and water utilities. He is currently leading a long range planning program for wastewater resource recovery.

He has taken a lead on issues of non-dispersible materials (wipes) and is active on many fronts nationally and internationally including:

- Workgroups with other U.S. municipalities, trade organizations and wipes manufacturers; International Water Services Flushability Group; International Standards Organization (ISO) committee workgroup

He is active in many wastewater organizations in the Northwest:

- Co-Chair of Pollution Prevention and Pretreatment Committee for National Association of Clean Water Agencies
- Oregon Association of Clean Water Agencies – Biosolids and Recycled Water Committee Chair and Board Member
- Numerous presentations at PNCWA, short school and other workshops.

Prior to his position at Vancouver, Frank 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.

Frank earned his BS in Chemical Engineering from Washington State University in Pullman.

Frederick Tack, PE, BC.WRE, ENV SP

Frederick.Tack@consoreng.com

National Wastewater Technical Practice Leader, Consor

Frederick serves as the National Wastewater Technical Practice Leader for Consor. He is a licensed Civil Engineer and is a Grade 4 Certified Water and Wastewater Operator, a Board-Certified Water Resource Engineer, and a Certified Sustainability Professional. He holds a BS in Civil Engineering and a MS in Environmental Engineering from ASU, and is a graduate of the WEF, Water Leadership Institute in 2018.

He has authored eight publications and was an editor on the recent Wastewater Treatment Fundamentals III, Advanced Treatment training manual. He is the recipient of the Arthur Sidney Bedell Award in 2024 and the 2016 Engineer of the Year, by the WEF Arizona Member Association.

His focus over the past 23 years has been on the design and operations of water and wastewater treatment facilities and he is passionate about design innovation, workforce training and inspiring current and future generations in the water industry.

Gayathri Ram Mohan

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Director of Advanced Water Treatment, Hazen and Sawyer

Dr. Ram Mohan is a professional engineer with over 12 years of experience in water and wastewater treatment. In her current role as Director of Advanced Water Treatment at Hazen and Sawyer, she leads one water initiatives focused on nutrient and emerging contaminant co-management and piloting innovative technologies.

Greg Mockos

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NW Solids and Energy Practice Leader, Brown and Caldwell

Greg is Brown and Caldwell's Northwest Solids/Energy area practice leader. He has 17 years of experience managing the concept development, detailed design, bidding, construction, and commissioning of complex multi-disciplinary wastewater projects. His primary focus is biosolids (digestion, dewatering, thickening, conveyance, drying, bulk product handling/storage, pyrolysis, and gasification). Greg is experienced with the delivery of complex multi-disciplinary projects using project delivery methods such as energy performance contracting (ESCO) and design-build (DB).

Guy Voss

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Vice President, HDR Engineering, Inc

Guy is HDR's Director of Collaborative Delivery and Owner Advisor services where he is responsible for working closely with water leaders and industry partners to understand the needs of our water industry such that the appropriate collaborative design and construction solutions can be brought to bear. With close to 30 years in the engineering and construction industry, Guy has led globally dispersed, multidisciplinary design and construction teams on every continent except Antarctica. Throughout his career, Guy has been passionate about the benefits the collaborative delivery process can provide teams and projects. Guy currently serves the Water Collaborative Delivery Association (WCDA) as the second Vice President on the Executive Committee of the Board and the Chair of the Membership Growth & Engagement Committee. He also dedicates time each year to serve on WEF's Water Leadership Institute Steering Committee.

Haley Falconer

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Sr. Manager for Water Renewal Utility Programs, City of Boise

Haley Falconer is shaping the future of Boise's water renewal utility with innovative strategies and forward-thinking approaches. As the Senior Manager for Water Renewal Utility Programs for the City of Boise, she directs long-term strategic planning and capital improvements for the city's water renewal systems. Her leadership encompasses managing water quality regulations, spearheading the recycled water program, and overseeing project execution for this growing community. Haley finds inspiration in creating programs that serve a diverse community while reflecting local values.

Before joining the City of Boise, she worked in wastewater engineering at a private consulting firm. Haley's commitment to environmental causes is reflected in her active volunteering with WEF and PNCWA, where she recently served as President. She's also a member of the Civil Engineering Department Industrial Advisory Committee at North Dakota State University, her alma mater.

When not at work, she enjoys exploring Idaho with her family and energetic rescue dog.

Haley Goddard

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Regional Manager, Cleanwater1

Haley Goddard is a Regional Manager at Cleanwater1, responsible for providing sales and engineering support for the application of disinfection, chemical feed, and drinking water quality solutions in the Northwest U.S. She holds a B.S. degree in Environmental Engineering from the University of Colorado-Boulder and is a licensed civil engineer. Prior to joining Cleanwater1, Haley worked for 7 years in consulting as a project engineer, leading multi-disciplinary teams in the design of water and wastewater systems for both municipal and industrial clients. Her experience features the design of reverse osmosis treatment, chemical feed, dewatering, and water

conveyance systems. Haley is based out of Boise, Idaho, and serves as a Water Environment Federation delegate and board member for the Pacific Northwest Clean Water Association

Hannah Ferguson

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Operations Specialist - Research, Clean Water Services

Hannah Ferguson holds a BS in Biology from Pacific Lutheran University and an MS in Biology from Ball State University. Joining Clean Water Services in 2021, Hannah's work involves designing sampling campaigns that use environmental DNA to answer regulatory and ecological questions, tracking viral and microbial pathogens through influent, surface and reuse waters, and on-boarding new molecular assays.

Hannah Thomascall

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Water Reclamation Project Manager, Spokane County Public Works

Hannah Thomascall has a Biosystems Engineering degree from Auburn University. She has experience as an environmental regulator and has worked at the Spokane County Regional Water Reclamation Facility (SCRWRF) for the past three years. Hannah is also on the PNCWA Board, chairs the Sustainability and Biosolids committee, and is a member of several other committees.

Heather Buchanan

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Public Works Chief Administrative Officer, City of Boise Public Works

Heather Buchanan is the City of Boise Public Works Chief Administration Officer. A twenty plus year veteran of government finance and budgeting, she and her team are responsible for budgeting, rate setting, analysis, and long-term financial planning for the City of Boise water renewal, solid waste, geothermal and municipal irrigation utilities.

Heather McKenna

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Supervising Engineer - Process, E,I&C, RR&M, City of Portland Bureau of Environmental Services

Heather McKenna is an Engineering Supervisor for the City of Portland's Treatment and Pumping Systems Division in the Bureau of Environmental Services. She focuses on progressing process control and automation for the City's wastewater treatment plants and pump stations. Previously, Heather drove product development of novel water purification systems and activated carbon (AC) products in private industry. Heather holds a BS, ME, and PhD in Environmental Engineering Sciences from the University of Florida and maintains a PE in the state of Oregon.

Holly Johnson, P.E.

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Project Manager, Keller Associates, Inc.

Holly has over 30 years of wastewater engineering experience in the Midwest and Pacific Northwest. She has been responsible for all phases of project development, from master planning through design and construction. Holly has extensive experience with headworks design, including being the project manager for the new headworks at Jerome, Idaho. She has a master's degree and a bachelor's degree in civil engineering from the University of Nebraska–Lincoln.

Holly Tichenor

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Management Consulting Practice Leader, Brown and Caldwell

Holly serves as Brown and Caldwell's National Management Consulting Practice Leader, which involves helping agencies connect their planning and strategy to resilient social and fiscal futures. Prior to her existing role, she led Brown and Caldwell's local office Portland office. Through her work, she has developed a strong reputation for delivery amongst many leading agencies advancing one water solutions, strategic plans and internal alignment to support organizational and external results. Holly brings 27 years working in the water and wastewater industry delivering strategy, operations leadership, business development, and strategic engagement results. Holly has a BA in Journalism from the University of TX at Austin.

Ian Watson

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Technology Development Manager, USP Technologies

Jacque Klug

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Nutrient Management Coordinator, King County, WTD

Jacque Klug is the nutrient management coordinator for King County's Wastewater Treatment Division in Seattle, Washington, coordinating King County's nutrient reduction efforts. Jacque has worked in the water resource field for more than twenty years and has experience in policy development, planning and permitting on a variety of water issues including water rights, groundwater management, reclaimed water, instream flows, watershed planning and salmon recovery.

Jacquelyn Wilson

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Wastewater Business Development Specialist, Enviro Tech, an Arxada Company

Jacquelyn oversees municipal peracetic acid (PAA) applications for wastewater disinfection across the United States. She holds a Bachelor's of Science from Eastern Michigan and has dedicated the past 12 years to establishing PAA as an alternative disinfection technology. Through extensive research and development on PAA and its applications and collaboration with state and federal regulatory agencies, she has played a key role in advancing the municipal market and supporting customers in the approved use of PAA.

Jadene Stensland

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Principal Engineer, Clean Water Services

Jadene Stensland, PE has a Master's Degree in Civil/ENVE engineering from Oregon State University and has worked in municipal engineering for over 25 years.

Jane Vail, P.E.

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Principal Engineer, Wallis Engineering

Jane is a senior project manager and sole principal of Wallis Engineering, a municipal engineering firm exclusively serving local governments. She has a wide breadth of experience in transportation and utility infrastructure planning and design projects, and now focuses on multiphase utility improvements. Her management experience includes 7 years of being sole owner; in that time, the firm has doubled its annual billings and enjoyed huge improvements in retention.

Jason Calhoun

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President/CEO, World Water Works - Arxtera

Jason Calhoun, Chief Executive Officer, has over 24 years of progressive experience within the biological wastewater industry. Research interests include biological processes, biofilms, anaerobic digestion, and bioaugmentation. Jason received his BS from West Virginia University and his Masters in Engineering from Virginia Tech.

Jason Flowers

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Senior Engineer, Geosyntec Consultants

Jason Flowers is a Senior Engineer with Geosyntec Consultants in Seattle, WA. He has twenty-four years of experience, covering academic and consulting experience. His area of expertise is biological wastewater treatment, but he has recently expanded into drinking water and direct potable reuse treatment technologies. He has presented at multiple conferences, including WEFTEC, PNCWA, and the American Society of Microbiology General Meeting.

Jay Boyd

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Director of Market Development, ADS Environmental Services

Jay Boyd is the Director of Market Development for ADS Environmental Services. In his 40-plus-year professional career, he has brought dozens of unique process solutions to the market. Over the past three years Jay has spoken at more than 50 international, national, and state conferences. He has published papers on I&I Assessment, Cleaning Optimization utilizing Smart Technology, Collection System Odor Control, and Smart Technology in Water.

Jay supplemented his degree in Biology with extensive business and technology development graduate studies. He has memberships with Water Environment Federation (WEF), WEF Intelligent Water Technology Committee, and California Water Environment Association.

Jedd Powell

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Regional Sales Consultant, HACH

Jedd and his wife Allie and three kids Adelaide, Fynn, and Tristan live in Farmington, Utah. He obtained his undergraduate degree from Utah State University within the college of humanities and social sciences studying anthropology with a focus in archaeology. He recently graduated with a master's degree in business administration from Western Governors University. Jedd's experience in water treatment began as a field researcher studying the effects of POTW's on wetland environments and receiving waters along the Wasatch front. This led to a job as an Operator and Laboratory Technician where he obtained his Grade IV Wastewater Operator and Grade I Wastewater Laboratory Analyst certification. Jedd has been with Hach for 1.5 years as the Hach Regional Consultant for Utah, Idaho, and Colorado. Family, Traveling, Skiing, Ultramarathons, and Ultimate frisbee stand as Jedd's personal interests outside of water treatment.

Jeff Barnes

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Director, Water Resources, City of Nampa, Idaho

Jeff is the Director of Public Works Water Resources overseeing the Water, Pressure Irrigation, Environmental Engineering and Wastewater Divisions. He has over 20 years Civil Engineering experience, holds a Bachelor of Science from Western Washington University and a Master of Public Administration from Boise State University.

Jeff Duplantis

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Water Technology Director, Ardurra Group

Mr. Duplantis is an award winning leader with a successful 30+ year career defining the strategies, establishing the teams and processes, building the relationships, and positioning for continued business growth. He is an expert in identifying opportunities and communicating value of services to clients. Mr. Duplantis has also provided leadership for competitive wins, implemented successful project delivery, and developed long-term profitable client growth. His strengths include training, mentoring, and mobilizing teams in planning and delivering multimillion-dollar projects on time, under budget, and with high customer satisfaction. Mr. Duplantis has spent the majority of his career in private consulting where he has been in responsible charge of design, project management, construction management, quality assurance and business development. His focus has been on sanitary sewer collection and transmission, water distribution, drainage, and street and roadway markets where he has led multiple environmental projects associated with new infrastructure as well as infrastructure reconstruction/rehabilitation.

Jeff Hart

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Principle Engineer, Clean Water Services

Jeff is a Principal Engineer for Clean Water Services and President of the Lower Columbia Section of PNCWA. He works with a variety of aspects within the wastewater industry including pump stations, natural treatment systems, recycled water, treatment plants, gravity conveyance, and high-level planning & strategies for the District. Jeff prides himself on building trusting and effective relationships with the public, developers, partner agencies, operations & maintenance staff, and all types of groups within the industry.

Jeff Hodson

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Senior Project Manager, Jacobs Engineering

Jeff is a senior project/portfolio manager at Jacobs. In his 23 years with the company, he has managed numerous projects in the water renewal and water treatment markets, most recently assisting the City of Boise with more than \$250 million of upgrades at their 70-year-old Lander Street WRF. When not at work, Jeff enjoys hiking, backpacking, rock climbing, and doing anything with his family.

Jeff Schmidt, PE, PMP

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Senior Project Manager, Jacobs

Jeff is a Senior Project Manager and Engineer with 27 years of experience in civil, environmental, and water resources engineering. Project experience includes project management, planning studies, hydraulic and hydrologic analysis, detailed design, and construction administration for a wide variety of projects including combined sewer overflow mitigation, conveyance system rehabilitation and design, pump station design, stormwater quality improvements, stormwater flooding analysis, and infiltration/inflow studies.

Jeff Semigran

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Sr Engineering Associate - Process, City of Portland Bureau of Environmental Services

Jeff is a senior process engineering associate at the City of Portland where he focuses on treatment process improvements and optimization. He holds a bachelors and masters in civil and environmental engineering from UC Berkeley, and has worked for both utilities and consultants in

the Portland metro area over the past nine years leading efforts related to secondary treatment process assessments, aeration system modeling, chemical treatment system improvements, struvite mitigation evaluations, and reuse system planning and permitting.

Jennifer Belknap

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Vice President, Carollo Engineers

Jennifer Belknap is the Northwest Leader for Utility Advisory Services at Carollo, where she helps clients deliver large capital programs and increase utility performance. She served as Public Works Director for Vancouver WA and Engineering and Construction Director for Port of Portland, managing of over \$2 Billion in capital program delivery. Jennifer brings expertise on a range of issues including collaborative delivery, integrating equity and sustainability into program management, strategic planning, asset management, capital improvement program planning and implementation, utility rates, and workforce development. Jennifer's technical background includes wastewater treatment and conveyance, wet weather, drinking water, transportation, resiliency and sustainability. She has a Bachelor's in Civil Engineering from University of Portland and a Master's in Civil and Environmental Engineering from University of Wisconsin-Madison. She loves to dig in the dirt gardening, make art and cook with her kids, play with her dogs, and spend time laughing with friends and family.

Jennifer Coker, PE

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Public Works Director, City of Sandy, Oregon

Jenny has 24 years of experience as a consulting engineer and utility owner in the Pacific Northwest. She holds a Bachelors and Masters in Civil/Environmental Engineering from Duke University and University of California, Davis, respectively, and she is a licensed PE in Oregon, Washington and California. Her career journey includes Carollo Engineers, Kennedy/Jenks, City of Portland, and the City of Sandy, one of the fastest growing communities in Oregon. Currently Jenny runs an extraordinary team who are completing a historic 50-year reinvestment in both the water and sewer utility. She also runs the Street, Stormwater, Capital Improvement, Development Engineering, and Emergency response. Jenny's leadership roles include PNCWA 2018 Technical Program Chair, PNCWA Executive Board Member 2019-2022, and the Chair of the Water Managers Advisory Board to the Portland Water Bureau. She received the PNCWA Woman of the Year award in 2023.

Jenny Strehler

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Water Reclamation Discipline Leader and Project Manager, CDM Smith

To be provided later.

Jesse Collins

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Wastewater Mechanical Engineer, King County Wastewater Treatment Division

Jesse Collins is a mechanical engineer with over twenty years of experience including design of waste gas to vehicle fuel facilities, natural gas fired powerplants, and more recently wastewater treatment. For the past ten years he has been working on capital improvement projects with King County's Dept. of Natural Resources & Parks Wastewater Treatment Division. There he provides engineering support on a wide range of systems including raw sewage, sludges, water systems, chemical feed, and biogas, among others.

Jesse Williams

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Water Resources Engineer, Jacobs Engineering Group

Jesse is an experienced project engineer with more than 22 years of civil engineering experience that includes leading design teams for GSI, stormwater and CSO retrofits, stormwater conveyance, stormwater flow control, treatment, infiltration facilities, underground utilities, roads, parks, and urban building sites.

Jesse is passionate about sustainable design. As a life-long learner, he strives to understand the natural processes and science behind nature-based and sustainable design. He believes that a multidisciplinary, cooperative, and comprehensive approach is imperative for sustainable design, and enjoys collaborating with other team members to create sustainable solutions that cross the boundaries of various design disciplines. Jesse uses his practical mentality and field experience to take sustainable solutions from concepts to constructible, biddable designs.

Joe Bohringer

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Executive Coach, JB Executive

Joe Bohringer is an executive coach and advisor who spent 31 seasons in the ultra-competitive business of Major League Baseball. His achievements include helping build foundations for a historic Chicago Cubs World Series win and the Seattle Mariners end of a 20-year playoff drought.

His consulting work includes corporate clients in multiple industries as well as teams from Major League Baseball, the National Hockey League, the NBA G League, and the new Professional Women's Hockey League. Joe also volunteers as an executive coach with a Chicago-based nonprofit and an alumni advisor for the MIT Sloan Career Development Office. He and his family currently reside outside Chicago.

Joel E. Baker

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PROFESSOR OF CIVIL ENGINEERING AND DIRECTOR, UNIVERSITY OF WASHINGTON PUGET SOUND INSTITUTE, University of Washington

Professor Joel Baker holds the Port of Tacoma Chair in Civil Engineering and directs the University of Washington Puget Sound Institute at the Center for Urban Waters. Dr. Baker's research interests center on modeling the transport of anthropogenic chemicals in the environment, the dynamics of contaminant transport in estuaries, and modeling the exposure and transfer of bioaccumulative chemicals in aquatic food webs. He is an elected member of the Washington State Academy of Sciences.

John Barrutia

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, DC Engineering

John Gonzales

JohnMichael.Gonzales@hdrinc.com

Wastewater EIT, HDR

Dr. Gonzales has more than six years of drinking water/wastewater treatment and design experience and more than six years of research experience. He completed his doctoral studies at the University of Nevada, Las Vegas where he spent nearly five years investigating groundwater remediation. He is currently a Water/Wastewater EIT at HDR.

John Koch

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Senior Project Manager, HDR

John is a licensed professional engineer with over 50 years of varied experience in planning, design, construction, commissioning, condition assessment and troubleshooting of water and wastewater facilities in the United States. He is a Senior Project Manager and Vice President at HDR for over half his career and is a Board Certified Environmental Engineer by the American Academy of Environmental Engineers and Scientists. He took a 4 ½ year hiatus from civil engineering to become a member of the Tokin Gulf Yacht Club flying an A6 Intruder off the USS Midway in North Vietnam.

John Phillips

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Director of Integrated Watershed Management, Parametrix

I have been working in the water industry since 1999 and I am the Director of Integrated Watershed Management. I have experience in emergency planning, comprehensive planning, long range planning, climate change science, climate adaptation, wet weather issues, green infrastructure, and co-benefit analysis. I have an extensive background in climate adaptation, equity and social justice and applying climate science to pro-active actions. I have spent many hours working with the University of Washington Climate Impacts Group scoping specific studies to better understand how science impacts urban planning and utility planning. My work has been featured in the Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report and the 2014 National Climate Assessment. My current climate work is with stormwater utilities, regional transportation projects and transit facilities.

John Rehring

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Senior Client Services Manager, Carollo Engineers

John Rehring is a Vice President and Senior Client Services Manager with Carollo Engineers. For 30 years, he has focused on water supply and reuse planning and implementation across the Southwest. In recent years, he has led the development of the Denver One Water Plan and managed two direct potable reuse demonstration projects in Colorado. He is a past president of RMWEA and a past president of WaterReuse Colorado, and serves on the Board of Directors of the WaterReuse Association.

Joni Meyer

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Laboratory Analyst, Riverside Park Water Reclamation Facility - City of Spokane

Joni Meyer has a Level 2 Wastewater Operator certification in the state of Washington, a Bachelor of Science in Biochemistry from Arizona State University, and a Master of Science in Forensic Science from Virginia Commonwealth University. Joni has been performing wastewater research and analysis for the City of Spokane at the Riverside Park Water Reclamation Facility since 2017. Her professional interests and enthusiasm lie in low level detection, analytical chemistry, method research and evaluation, instrumentation troubleshooting, and farm soil analysis for biosolids application.

Josh Baker

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Boise Water Renewal Facility Program Manager, City of Boise

Josh is a Facility Program Manager with the City of Boise. He is responsible for all projects delivered at the Lander Street Water Renewal Facility and is currently running a quarter of a billion dollar program. He utilizes strong team building and Extreme Ownership to have success on projects. If not in the job trailer at work Josh teaches occasionally for the Ambrose School and Boise State University. In his leisure time he enjoys archery elk hunting and time in the woods with his two daughters, wife, and pup.

J'Reyesha Brannon

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Project Manager- Water, Black & Veatch

J'reyesha Brannon, P.E., is a born and raised Oregonian. She is a University of Portland alum, where she graduated with a degree in civil engineering with an environmental focus. J'reyesha worked as a design engineer, construction manager, and project manager in public sector for nearly a decade. She currently works as a Water Project Manager for Black & Veatch. She is passionate about environmental justice, civic engagement, and diversifying STEM fields. Outside of work she is a lifelong volunteer, currently holding leadership roles in a variety of community organizations including the National Society of Black Engineers (NSBE) Portland Professionals, Verde, and more.

Karen Iwasaki, P.E.

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Supervising Civil Engineer, Seattle Public Utilities

Karen Iwasaki, P.E., is a Supervising Civil Engineer for Seattle Public Utilities (SPU), System Management Division where she leads the System Operations, Planning, and Analysis (SOPA) Wastewater Operations team. This team is responsible for asset management and optimization at

SPU's wastewater pump stations and combined sewer overflow storage facilities. In addition, the Wastewater Operations team monitors and reports system performance at City of Seattle NPDES outfalls. Beyond her role in System Management, Karen has over 25 years of experience in basin planning, design, permitting, and project management for CSO reduction, water supply, stormwater detention, habitat restoration, flood control, water quality, and solid waste transfer facilities.

Katerina Messologitis

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Process Engineer, Stantec

Katerina has 7 years of experience working as a process engineer at Stantec. Her experience ranges from facility planning to full-scale plant design and operation. Katerina is well versed in water and wastewater piloting, water quality and treatment optimization studies, and design through her involvement in projects across the Western U.S.

Katherine Y. Bell

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Director of Water Strategy, Brown and Caldwell

Kati Bell is Director of Water Strategy for Brown and Caldwell (BC) with over 25 years of experience in the water industry. Leveraging her global water/wastewater experience of over 5 billion gallons per day of treatment capacity, she is responsible for leading BC's Research and Innovation Program. The program portfolio, which includes over 100 projects, has an approximate value of \$28M and reaches over 80 clients and nearly 20 academic partnerships. The program is aligned with service offerings in wastewater and advanced treatment, potable reuse, digital solutions, resource recovery, aging infrastructure, and wet-weather and stormwater. Kati also leads global partnerships with strategic research partners, sets the vision for the BC Treatability Laboratory, and collaborates with BCs disciplines to advance innovative solutions for our clients.

Kelley Florence

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Senior Principal Engineer, Hazen and Sawyer

Ms. Florence has 8 years of experience in planning, design, and construction services in the water and wastewater industry. Her experience includes treatment plant planning studies, in depth sampling and data analysis, process modeling, and aeration design.

KEN WINDRAM

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ADMINISTRATOR, HAYDEN AREA REGIONAL SEWER BOARD

Professional Background:

40+ years' experience in wastewater operations and management working at over 50 wastewater treatment facilities from 50,000 gallons per day to 450 million gallons per day capacity. Wastewater licenses: New York Grade 2, Massachusetts Grade 7, Indiana Grade 4, Hawaii Grade 4, Washington Grade 4, Idaho Grade 4. I have worked for Envirotech Operating Service, Metcalf & Eddy, USFilter and Veolia Water. I was the project manager for the design, build, own and operate 13 MGD Honouliuli Water Recycling Facility (largest water recycling project in Hawaii (2000)). My current position is administrator, responsible charge operator and tertiary treatment & biosolids construction manager at the Hayden Area Regional Sewer Board.

Kenneth C Hui

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Project Manager, CDM Smith

Kenneth has 29 years of experience in the planning, design, and construction of water and wastewater treatment facilities. As the program lead, he has completed, over a duration of 10+ years, close to \$400 million of a treatment facility expansion program in Canada.

Kerri Franklin

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Principal, EnviroIssues

With over 15 years of experience in public involvement, Kerri is deeply committed to fostering meaningful connections and dialogue. Collaborating with her clients, Kerri applies a nuanced engagement approach, adeptly balancing the unique needs of each community and project. Her commitment to client relationships and effective communication underscores her reputation as a trusted partner in building lasting partnerships and moving projects forward. She helps clients communicate with the public to bridge the gap between technical jargon and accessible information – transforming complex concepts into relatable stories that resonate with diverse stakeholders.

Kerri has led engagement on a wide array of projects across the Pacific Northwest. She excels in crafting and implementing strategic outreach initiatives that are as engaging as they are effective. With a heart that beats for all things water, she's become a known resource for sparking engaging

conversations about everything from wastewater treatment to stormwater management and beyond.

Kevin Cook, PE

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Project Manager/Engineer, BHC Consultants

Civil and water resources engineer specializing in collection system planning and modeling. Enjoys working with utilities to demystify hydraulic modeling results and analyses and leverage other data through means of automation and visualization to plan, prioritize, and implement solutions.

Kevin Stively, Moderator

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Managing Director and Vice President, Brown and Caldwell

Over the past 35 years, Kevin Stively has provided Instrumentation and Controls design engineering and multidiscipline project (large and small) management services to municipalities and private-sector industrial clients across the United States. Kevin is presently Vice President and Managing Director for Brown and Caldwell's (BC's) Digital Solutions Services Group providing clients with forward thinking technology solutions that leverage smart utility concepts.

Kiersten Lee, P.E., PMP

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Director of Commissioning and Startup, Vice President, MWH Constructors

Kiersten manages MWH Constructors commissioning and start-up group, which includes process mechanical, I&C integration, electrical and treatment process specialists. Kiersten has a Masters of Engineering, specializing in hydraulics and water/wastewater treatment.

Kim Colson

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Utility Management Consultant, HDR

Marcus is a project manager with more than 15 years of experience in public works, consulting, analytics, manufacturing, and service. He leverages his previous experience working for a public

utility to serve wastewater and water utility clients. He has extensive experience working with multiple stakeholders on challenging

wastewater/water projects. Marcus is currently a member of HDR's mentor-protégé professional development program, TaLON, where he is training under Advisor Sheryl Chino to learn from her expertise in funding and financing mechanisms for water and wastewater projects.

Kim Hackett

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Authority Engineer, Silicon Valley Clean Water

Kim Hackett is the Chief Engineer at Silicon Valley Clean Water, a wastewater agency in the San Francisco Bay Area. In that role, she manages the Engineering, Laboratory, and Environmental Services Divisions. She has worked at SVCW for 14 years, and is responsible for the planning and implementation of SVCW's \$900 million 10-year Capital Improvement Program. She is serving as the Owner's Representative for the agency's conveyance system overhaul, which included the \$258 million Gravity Pipeline project, a large diameter sewer that conveys flow and provides wet weather storage for the system. Before joining SVCW, Kim worked as an environmental engineer, both as a consultant and in the public sector, with a focus on wastewater and recycled water planning and design projects.

Kylle Walkoski

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Lander Street Water Renewal Facility Manager, City of Boise

Kylle, originally from Portland, OR, holds an Associate's Degree in Water & Environmental Technology from Clackamas Community College. He began his professional journey with the City of Boise, spending six years at the West Boise WRF before transitioning to his current role as Facility Manager at Lander Street WRF, where he has excelled for the past 2.5 years.

Lauren Stanford

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Water/Wastewater EIT, HDR

Lauren has an undergraduate degree in chemical engineering. She provides engineering support for a variety of wastewater projects and is excited to grow her career in the industry. Some of her favorite wastewater projects so far have included headworks rehabilitations, secondary clarifier rehabilitations, and capacity expansions. She also has a passion for mine impacted water

treatment and has designed and implemented numerous pilot studies for the optimization of passive treatment systems.

Leila Barker

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Senior Engineer, Clean Water Services

Leila Barker is a Senior Engineer in the Research and Innovation department at Clean Water Services. Her focuses include application of process models, regulatory coordination, and pilot testing. She coordinates the design and implementation of monitoring programs aimed at optimizing treatment performance and stability in the Fernhill Natural Treatment System.

Leo Rodgers

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Automation Discipline Lead, Brown and Caldwell

Leo has 15 years of experience designing control panels, software development for PLCs and HMIs, control system testing, documentation, and commissioning. His services have included SCADA master planning, radio telemetry assessment and design, systems integration, and developing process control strategies. Leo is skilled in SCADA, PLC and HMI programming development, installation, testing, and calibration of instrumentation, site startup and commissioning, and assisting with control system design and migration developments.

Leslie Dietz

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Faculty Research Assistant, Oregon State University

Leslie Dietz is a faculty research scientist at Oregon State University where she is part of OSU's Wastewater Surveillance Laboratory, a cutting-edge facility dedicated to the monitoring of pathogens in wastewater. Leslie was the recipient of University of Oregon's COVID-19 Research Innovation Award for her dedicated work early in the pandemic investigating disease transmission in the built environment and she also had the top downloaded paper for the ASM Journal "mSystems" in 2020. Leslie received her Bachelor of Science in Biology from the University of Houston-Downtown and went on to earn a Masters in Biology from Texas State University. She is currently working towards her PhD in Bioengineering at Oregon State University. When Leslie is not in the lab, you can find her weightlifting, reading, hiking, camping, or fighting wildfires.

Libby Barg Bakke

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TECHNICAL DIRECTOR, STRATEGIC PLANNING & COMMUNICATIONS, Consor

Logan Branscum

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Wastewater Project Manager, City of Nampa

Loralyn Spiro

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Communications Supervisor and Interim City Public Information Officer, Metropolitan Wastewater Management Commission, Oregon

Loralyn will be moderating the discussion.

Luke Thompson

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Wastewater Engineer, HDR

[8:20 AM] Thompson, Luke

Luke Thompson is a water engineer with a BS/MS and five years of experience in environmental engineering focusing on water and wastewater treatment and planning, condition assessment, hydraulic modeling, and water resources. He has worked on projects nationally but primarily has experience with projects in the pacific northwest and the desert southwest. He has applied his engineering experience as a student and professional to work with Engineers Without Borders for 8 years in Kenya and Guatemala. He is inspired to sustain our communities and environment with water engineering solutions.

Majid Neyestani

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Senior Wastewater Engineer, Carollo Engineers, Inc.

Dr. Neyestani has more than 12 years of experience in research, planning, design and operation of wastewater treatment systems. His experience encompasses treatment capacity analysis and optimization of both liquid and solids stream processes including primary and secondary treatment, disinfection, and solids thickening, digestion, and dewatering.

Maria Brady

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Sr Principal, Stantec Consulting Services Inc.

Maria Brady is a Sr Principal with Stantec Consulting. She has nearly 40 years' experience in water, wastewater, storm water, and environmental management projects. Maria graduated from Washington State and Colorado State Universities with BS and MS degrees in Agricultural Engineering. Maria is the Past President of Arizona WaterReuse and if you ask her about DPR you are in for a lively conversation.

Maricris Orama, EdD, PE, PMP

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Senior Engineer/Group Lead, Parametrix/Co-Founder SCOPE

Maricris is a Senior Engineer and currently, the Greater Washington Water Division Collections, Conveyance, and Storage Group Lead at Parametrix, Inc. She has over 18 years of experience, which includes project management and water and wastewater evaluation, planning, and design. Maricris' background includes a Doctor of Education in Organizational Leadership and experience in Higher Education focused on creating initiatives to facilitate equitable practices in support of historically underrepresented students STEM. As a Co-Founder of the Supportive Community of Professional Engineers (SCOPE), she continues to foster partnerships with organizations throughout Pierce County, WA to empower students to explore careers in STEM Industries.

Deeply committed to giving back to her community, Maricris takes an active role in the Society of Advancement of Chicanos/Hispanics & Native Americans in Science, the Association of Filipino-American Engineers of Washington, and an Advisory Board Member for the School of Engineering and Technology at the UW-Tacoma.

Mario Benisch

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Sen Process Engineer, HDR

- 1998: Graduated from University of Stuttgart, Germany with MS in Environmental Engineering

- Since 1998 with HDR in Portland OR
- Worked on several projects on Hawaii over the past decade
- Now senior wastewater process engineer with focus on nutrient removal and recovery, emerging technologies, process intensification, dewaterability, and plant data visualization.

Mark Drake

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Digital Services Manager, Veolia Water Technologies, Inc.

Mark has been a water professional for 25 years. He obtained his B.S. in Chemical Engineering from Iowa State University in 1998 and has held PE designations in WI and NC. Much of his career has focused on process engineering and product management for several fixed film and activated sludge eBNR systems. Mark has taught many wastewater certification courses through the years for NC One Water, where he has also served on and chaired the association's Wastewater Operators School Committee. Mark has been part of Veolia Water Technologies since 2010, and has held the position of Digital Services Manager since 2021. Mark is focused on leading digitalization efforts for VWT in the US market through the application of Veolia's Hubgrade digital services platform.

Mark Poling

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Principal Consultant, Clean Water Management LLC

Mark is an independent consultant and sole proprietor of Clean Water Management, a consulting firm focusing on utility management. He is a member of the Water Environment Federation House of Delegates, a former Trustee and past president of the PNCWA. He has nearly 40 years of experience at Clean Water Utilities including utility management, water resource recovery facility operation, maintenance, design, and construction.

Mark Slepski

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Capital Projects Managing Supervisor, King County Wastewater Treatment Division

Over the past 10 years, Mark Slepski has worked as a Project Manager for the King County Wastewater Division managing numerous treatment plant, pump station and conveyance projects. He is currently the managing supervisor for project management staff at the WestPoint Treatment Plant.

Mark Spafford

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Client Account Manager, Jacobs

Mark Spafford holds Bachelor (2000) and Master (2002) of Science Degrees in Environmental Engineering from the University of Central Florida. He is a registered Professional Civil Engineer in the State of Alaska (2005). Mark has over 24 years of private and public agency experience with Orange County (Florida) Utilities, Geosyntec Consultants, the Alaska Native Tribal Health Consortium, City of St. Cloud (FL), Denali Commission, the Municipality of Anchorage (Anchorage Water & Wastewater Utility and Solid Waste Services [SWS]) and Tetra Tech, LLC. Mark thrives on challenges and not being bored and the more complicated an issue, situation or problem, the better. He is a senior engineering and operations leader offering a record of success leading organizations, creating strategies and visions, and developing customer-oriented solutions to complex environmental infrastructure challenges. Mark loves to leverage vision, innovation, creativity, technology and collaborative problem solving to consistently deliver practical solutions that meet or exceed targeted expectations and outcomes. Mark was born in Florida, grew up and lives in Alaska and has two boys (Hendrix and Marley) a girlfriend (Larysa) and a doodle (Vinny) all of whom he enjoys spending time with. This is in addition to playing guitar and singing with his band Spaffdaddy across the state of Alaska and the United States.

Mark Strahota

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Director of Project Management, Brown and Caldwell

Mark is a Director of Project Management and Local Leader of the Brown and Caldwell Portland, Oregon office. He has 20 years of experience in wastewater process and facility design and is registered PE in Oregon, Idaho, and Washington.

Mary Fasano

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Underwriter, WIFIA Program, US Environmental Protection Agency

Mary Fasano is an Underwriter for the WIFIA Program in the Office of Water at the U.S. Environmental Protection Agency, joining the team in 2020. Prior to WIFIA, Mary worked in the commercial banking industry underwriting tax-exempt bond deals for non-profit organizations. Mary has also worked in the community development finance industry where she structured complex capital transactions to finance economic development projects utilizing tax exempt financing, and a variety of tax credits. Mary received her B.A. Degree from St. Michael's College

and her graduate degree in Community Economic Development from Southern New Hampshire University.

Matt Noesen, P.E.

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Senior Project Manager/Technologist, Jacobs

Matt has worked in 23 states and on over 100 capital programs over his career than spans 34 years. Matt has experience with traditional design-bid-build, GC/CM and progressive Design-Build delivery methods. He also has extensive experience with innovative procurement approaches to accelerate project schedule and enhance Owner control of desired outcomes.

Matt is passionate about connecting the Water-Energy nexus dots and especially projects that are associated with resource recovery at municipal wastewater treatment plants.

Matt holds a BS in Electrical Engineering from Carnegie Mellon University, and MS in Environmental Engineering from University of California, Berkeley, and has been a WEF member since 1990.

Matt Reeve

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Process Engineer, Veolia Water Technologies & Solutions

Matt Reeve holds a degree in chemical process engineering from the University of British Columbia and is a registered professional engineer in Ontario, Canada. He is a member of Veolia Water Technology & Solutions biological process incubation team, which brings innovative technology and their combinations to market. He has a decade of experience in designing, piloting, and refining MBR, MABR, and densification technologies.

Matthew Feck

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Wastewater Surveillance Program Coordinator, Washington State Department of Health

Matthew Feck earned his Masters in Public Health at the University of Texas Health Science Center, focusing on Health Promotion and Health Education. He has been with WAWBE and the Washington State Department of Health since 2022.

Matthew Gregg

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Client Service Manager, Brown and Caldwell

Matthew Gregg is a program manager, client service manager, project manager, and wastewater engineer in Brown and Caldwell's (BC) Boise office. Matt's primary focus is assisting clients with long-term utility management decisions and large program execution. Matt has a master's degree in civil engineering with a focus in wastewater engineering and a bachelor's degree in civil engineering, both from the University of Idaho.

Matthew Williams

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Regionals Sales and Product Manager, Thermal Process Systems

Matt Williams is a Regional Sales Manager and Anaerobic Product Manager at Thermal Process Systems and has had a special passion for biosolids and Anaerobic Digestion since his time at Cornell University. An avid birdwatcher and Nordic ski-dad and, he currently lives in the mountains of Utah with his wife, 4 kids, a couple dozen chickens, honeybees and a few more rabbits than anticipated.

Max Gangestad

Max@algae.com

Chief Operating Officer, Gross-Wen Technologies

Max Gangestad is the COO of GWT where he oversees the R&D, Sales & Operations of the business. His background is in agriculture engineering and he has a degree from Iowa State University in agricultural engineering with an emphasis in non-point source pollution. Max is passionate about pushing the industry towards a circular economy for a more sustainable world.

McKenna Pearson

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Process Engineer, Tetra Tech

McKenna Pearson is a Process Engineer for Tetra Tech in Denver. Her experience includes water and wastewater treatment in both the municipal and industrial realms from master planning to construction. McKenna received a bachelor's degree in chemical engineering from Montana State University and is a licensed professional engineer in Colorado.

Merima Beganovic

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Sucking the Air out of the Party:A Novel Approach to Phosphorous Sequestration, Ovivo

Merima is the Nutrient Removal Product Manager at Ovivo. She graduated from Washington University in St. Louis in Chemical Engineering. Before coming to Ovivo, she spent 5 years in Industrial Wastewater Treatment.

Michael Adelman

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, Stantec

Michael Jaeger

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Principal, Tanner Pacific, Inc.

Mike is a Principal Co-Founder of Tanner Pacific, Inc., specializing in Construction Management of Water Resource Projects. Mike is the Chief Marketing Officer responsible for all Marketing and Business Development for the Company. He has over 38 years of experience in public infrastructure project/construction management, as well as, over 15 years of Partnering Facilitation. Mike has managed many large diameter pipeline projects, totaling more than 30 miles of installed pipe. Ranging in size from 30 in. to 60 in. in diameter, these projects included many miles of open cut, microtunnel, HDD and pipe bursting to traverse under highways, active school sites, active rail lines and sensitive environmental habitats. Mike recently completed his role as Project Manager on the \$258M Gravity Pipeline Project for Silicon Valley Clean Water in Redwood City, CA.

Michael Neher

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Senior Project Manager, Sundt Construction

Michael graduated from Northern Arizona University in 2005 with a B.A. in Construction Management. He has over 19 years in the construction industry with 15 of those years focused on water and wastewater treatment. He is actively involved in over 32+ projects of varying sizes & types throughout AZ, CA, CO, NV, OR, and TX, with half of those projects delivered with collaborative delivery methods.

Michael Schulz, P.E.

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Project Manager, Keller Associates, Inc.

Michael Schulz graduated from Boise State University with a master's degree in engineering, with a water and wastewater emphasis. In the past five years, he has worked on design and construction projects, taking a leadership role during construction, totaling over \$30 million. Recent representative experience includes the City of Nampa's three-story solids handling facility.

Michelle Green

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Vice President, Jacobs

Michelle is Jacobs' Design-Build Growth Lead in the Western US for the Water Sector. She has been a practicing water/wastewater engineer for over 30 years, with half of that focused on implementing collaborative delivery projects. Michelle is currently President of the Water Collaborative Delivery Association. She regularly leads Design-Build work at Jacobs, provides education on project delivery options and supports client project delivery analyses.

Michelle Young

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Lead Wastewater Technologist, Carollo Engineers, Inc.

Michelle Young, PhD, is a Lead Wastewater Technologist at Carollo Engineers. Her work focuses on biological nutrient removal and anaerobic digestion process design and R&D. Michelle received her MS and PhD from Arizona State University, with focuses on modeling of novel wastewater treatment systems and anaerobic digestion for valuable product production.

Mike Zeltner

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Senior Project Manager, Brown & Caldwell

Mike is a senior project manager with Brown and Caldwell with 20 years in the wastewater industry.

To achieve delivery excellence, he is focused on Helping clients prioritize and make resilient decisions which dictate project cost and schedule.

He enjoys engaging the operations and maintenance staff in the design process as they are the unsung heroes in our industry and he sees them as our real clients.

Nandita Ahuja

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Associate, Hazen and Sawyer

Nandita Ahuja has over 10 years of experience in the water and wastewater engineering industry. Her work in the recent years has been focused on the intersection of data and water, and exploring technology driven solutions to challenges in our industry.

Natalie Beach, PhD

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Lead Wastewater Engineer, Carollo Engineers, Inc.

Natalie Gustafson, P.E.

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Wastewater Process Engineer, Jacobs

Natalie Gustafson is a wastewater process engineer with Jacobs based out of Bellevue, Washington, and focuses on design and planning of residuals treatment and resource recovery projects. Prior to joining Jacobs 2 years ago in Washington, Natalie worked for over 5 years on wastewater treatment and combined sewer overflow reduction capital projects in Indiana and Kentucky. Natalie is a professional engineer in Washington and Indiana, with over 7 years of engineering experience. She holds a Bachelor of Science in Environmental and Ecological Engineering from Purdue University.

Nick Guho

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Lead Technologist, Carollo Engineers

Nick Guho is a lead technologist at Carollo with 15 years of experience in applied research and consulting. He specializes in wastewater process modeling, data analytics, process design, and BNR facility planning. He holds MS and PhD degrees in Civil Engineering from the University of Idaho.

Nick Martin

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Kitsap County Public Works Sewer Division Construction Manager, Kitsap County

Nick Martin is a dedicated Sewer Utility Manager with two years of specialized experience in wastewater management and two decades of expertise in the construction industry. Known for his meticulous attention to detail and problem-solving skills, Nick effectively oversees the operation and maintenance of sewer systems, ensuring compliance with environmental regulations and safety standards. His extensive background in construction has equipped him with a strong foundation in project management, infrastructure development, and team leadership. Passionate about sustainable practices and community well-being, Nick continually strives to implement innovative solutions to enhance the efficiency and reliability of wastewater services. His commitment to excellence and his proactive approach make him an invaluable asset in managing the critical infrastructure that supports public health and environmental protection.

Nick Webber

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Senior Engineer, Carollo Engineers

Nick Webber is a process engineer in Carollo's Boise office. His background is in drinking water and wastewater treatment design, water quality, and project management. Nick was the project engineer for the Meridian Side Stream Phosphorus Treatment project, working with Merrick's and Carollo's teams during the design and construction phases.

Nicki Pozos, PhD, PE

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Principal, The Formation Lab

As a Principal with The Formation Lab, Nicki integrates social equity into the planning, design and management of water infrastructure. As a mixed-race person with a background spanning engineering, public engagement and social equity, Nicki is skilled at creating connections across disciplines and perspectives. Her goal is to help public agencies transform their good intent into substantive process and community outcomes.

Oumaima Hachimi

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PhD Student and Graduate Research Assistant, Oregon State University

Oumaima is a fourth-year Ph.D. student in environmental engineering at Oregon State University. She holds a B.Sc. in engineering & management science from Al Akhawayn University in Ifrane, Morocco. Fueled by a passion for environmental engineering and its intersection with public health, she is serving as a graduate research assistant at the Wastewater Surveillance Lab at OSU. In this role, Oumaima has developed a profound expertise in wastewater-based epidemiology and molecular biology. Her contributions to the field are notable, particularly in the optimization of the *Cryptosporidium* spp. wastewater surveillance pipeline. This work underscores her dedication to advancing wastewater surveillance initiatives through innovative research. In addition to her focus on *Cryptosporidium* spp., Oumaima has collaborated on various projects involving the statewide monitoring of SARS-CoV-2 and other pathogens in wastewater. These collaborations have further broadened her expertise and reinforced her commitment to leveraging wastewater-based epidemiology as a powerful tool for infectious diseases management.

Pamela Villarreal, P.E.

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Project Engineer, Keller Associates, Inc.

Pamela has 12 years of experience with various aspects of environmental remediation, stormwater, water, and wastewater treatment from the preliminary planning and development stages through design and construction management. She holds a Bachelor of Science in Civil Engineering from the University of California Los Angeles and is a licensed professional engineer, having lived and worked in California, New York, Idaho, and Oregon.

Patrick Vandenberg

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Lead Water Resources Engineer, WSP USA

Patrick Vandenberg, PE is a Lead Water Resources Engineer with 7.5 years of experience as a hydrologic and hydraulic (H&H) modeler in King County, WA and over 10 years total of experience as a civil engineer. He is proficient in wastewater and drainage system modeling using MIKE Urban and PCSWMM, and has experience building, calibrating, verifying, and reviewing models, as well as analyzing, summarizing, and communicating modeling results and integrating operational and measurement uncertainty, climate change, and project feasibility into analysis and reporting.

He worked on dozens of drainage and wastewater modeling projects as a Senior Civil Engineer at Seattle Public Utilities and as a Wastewater Engineer at King County Wastewater Treatment Division, including the Ship Canal Water Quality Project. Before his modeling career, Patrick worked as a Staff Environmental Engineer for AECOM in Long Beach, CA, where he supported project design, data aggregation and visualization, report preparation, field engineering, construction management, and environmental compliance monitoring and regulatory reporting.

Paula Dorn

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Process Engineer, Aqua-Aerobic Systems, Inc.

Paula Dorn is a Process Engineer with Aqua-Aerobic Systems working with the AquaNereda® Aerobic Granular Sludge Technology providing design, application, and operations support. She graduated from the University of Illinois at Urbana-Champaign with BS and MS degrees in Civil and Environmental Engineering and has been in the wastewater industry since 2018.

Peter Schauer

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Principal Process Engineer, Clean Water Services

Peter Schauer is the Interim Research & Innovation Department Manager for Clean Water Services. CWS operates four wastewater treatment facilities discharging to the Tualatin River in Washington County, Oregon. Peter is a graduate of Johns Hopkins with a masters in environmental engineering from the same school with 25 years of experience in the industry.

Phil Davison

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Territory Manager, SWS Equipment

Phil has been with SWS for over 15 years. He has over 25 years industrial sales experience. Prior to SWS, Phil was very successful as a National Accounts Rep selling truck parts to “Top 100” trucking fleets. He has definitely brought this success to SWS by growing and developing his territories. Phil’s territories consist of Eastern Washington and all of Idaho. Phil sells snow blowers, street sweepers, compactors, balers, refuse trucks, sewer trucks, street sweepers and sewer inspections camera trucks.

Preeti Thimmaraju

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Senior Associate, Brown and Caldwell

Ray Brown

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Drainage and Wastewater Line of Business System Maintenance Division Director, Seattle Public Utilities

Ray Brown is Seattle Public Utilities' Drainage & Wastewater System Maintenance Division Director. He directs the operation, maintenance, repair and rehabilitation of Seattle's stormwater and wastewater system. He is responsible to a team of 140+ employees who are represented by 4 different labor unions, and perform both scheduled, reactive, and emergency maintenance activities. Ray has extensive experience in the areas of asset management, planning & scheduling, and operations & maintenance activities in the water and drainage & wastewater utility industries.

Ray has been serving Seattle Public Utilities for 17 years, where he began working as a Pump Station Electrician and has 25 years of construction and utility experience overall.

Education and Certifications:

South Seattle College: Bachelor's Degree in Sustainable Building Science Technologies

Washington Wastewater Collection Personnel Association:

Wastewater Collections Specialist III

Washington State Department of Health:

Water Distribution Manager 4 Certification

The Institute of Asset Management:

Asset Manager Certification

Rhys Roth

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Executive Director, Center for Sustainable Infrastructure

Rhys Roth is Executive Director of the Center for Sustainable Infrastructure (CSI) in Olympia, WA which is helping to bring innovation, new tools, and sustainability excellence to infrastructure planning and investment in the Pacific Northwest.

Rhys authored CSI's influential inaugural report, Infrastructure Crisis, Sustainable Solutions, and the subsequent three reports in the 5 Big Goals for 2040; Rewiring the Northwest's Energy Infrastructure, A Northwest Vision for 2040 Water Infrastructure, and From Waste Management to Clean Materials.

Prior to founding CSI, Rhys co-founded and helped lead for over 15 years the non-profit group Climate Solutions.

Richard Barile

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Process Pump Specialist, Motion Industries

Rick Barile has been a pump and mixer hydraulic professional since 1985, holding positions as distribution branch manager, pump manufacturing regional manager and municipal sales manager. He has worked directly in the municipal market full time since 2001 and has held municipal positions with Cornell Pump Company, Moyno Inc., Chemineer, Sulzer and is currently the Pacific Northwest Process Pump Specialist for Motion Industries.

Rick Kelly

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Senior Process Engineer, Brown and Caldwell

Rick Kelly is a senior process engineer with Brown and Caldwell.

Riley Murnane

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Principal Engineer, Hazen and Sawyer

Riley Murnane is a Principal Engineer with Hazen and Sawyer and has been a consultant assisting Wastewater utilities for the last 5 years. He received his MS in Environmental Engineering from Oregon State University and works primarily on wastewater and biosolids projects throughout the west coast.

Rob Annear

annearr@hotmail.com

Owner, Annear Water Resources, LLC

Rob Annear is the owner of Annear Water Resources, LLC. He is an environmental engineer with 25 years specializing in hydrodynamic and water quality modeling. Rob supports clients with regulatory permits and requirements, drinking water studies, NPDES permitting and mixing zone studies, surface water system assessments, climate change studies, and water quality management for multiple uses.

Robin Lee-Beusan

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Water Resources Program Coordinator, City of Boise

Robin Lee-Beusan is the Water Resources Program Coordinator for the City of Boise. She is passionate about all things water and creating a resilient water future for Boise. Robin is responsible for the development and implementation of water resources program and policy work and manages the city's extensive water rights portfolio. Robin was a part of the small team that developed the Assured Water Supply (AWS) provision in the city's Modern Zoning Code and played a key role in research and development of the AWS program. She holds bachelor's degrees in Political Science and Public Relations and a master's degree in Integrated Natural Resources from the University of Idaho. Outside of work, she can be found with her husband and daughter on the Boise Greenbelt or in the foothills enjoying nature.

Ron Edwards

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Operations Manager, Big Sky County Water and Sewer District

Ron ran the Big Sky County Water and Sewer District for 30 years, watching it grow from a small but epic ski resort into a year-round community it is today. Prior to that he ran the Green Lake Sanitary District in Wisconsin. Ron is a Badger and a Grizzly. In his spare time he runs Montana's American Legion Baseball league.

Ross W. Dunning, P.E.

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Principal, Kennedy/Jenks Consultants

Ross Dunning is Kennedy Jenks' stormwater practice leader and senior technical resource for Clean Water Act permit support and drainage and treatment design based in Federal Way, WA. Ross is an

accomplished project manager with a broad range of civil engineering experience specifically focused on the fields of stormwater conveyance and treatment and he is abreast of the stormwater regulatory climate across the country. His primary focus is helping transportation sector agencies and municipalities to navigate the maze of federal, state, and local regulations to find sound engineering solutions benefitting business and the environment.

Royce Davis

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Recycled Water Program Manager, City of Boise, ID

Ruby Mohammadi

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Lead Water Resources Engineer, WSP USA

Rudy Maltos

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Wastewater Process Engineer, Metro Water Recovery

Rudy Maltos, an adventurous PhD graduate from Colorado School of Mines, applies his passion for excitement to the intricate world of process engineering at Metro Water Recovery. When he's not refining densification processes for activated sludge or optimizing phosphorus recovery techniques, you'll find him enthusiastically supporting the Denver Nuggets or navigating Colorado's white water rapids. Rudy's passion for applied research and zest for adventure make him a dynamic force in both his professional and personal pursuits.

Ruth Roxburgh, Ph.D.

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Senior Water and Wastewater Technologist, Jacobs

Dr. Ruth Roxburgh is a process expert with 29 years of experience throughout North America and Europe. She has worked on projects ranging from municipal and industrial water treatment, recycled water systems, wastewater and sludge treatment, sulphur removal and co-generation, polymer hydration systems, solid/liquid separation using a range of technologies from clarification, DAF, media filters, centrifuges and membranes, industrial wastewater Biox and solids management

systems, treatment of hydrocarbon contaminated groundwater, vapour oxidation and thermal extraction for contaminated soil. She has developed patentable technologies for wastewater treatment, frac water, polymer hydration, and hydro-carbon contaminated groundwater that have been applied at full scale installations.

Dr. Roxburgh holds a M.Sc. in Environmental Science from University of East Anglia, U.K., and a Ph.D. in Civil Engineering from University of Birmingham, U.K., with an emphasis on advanced anaerobic digestion and biogas production.

Ryan Hougham

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VP, Business Development, Specific Energy

Ryan Hougham (pronounced Huffum) is a mechanical engineer with nearly 20 years of experience in consulting engineering and technology provision in the water/wastewater industry. He is VP of Business Development at Specific Energy focusing on digital twin optimization of pumping systems. Ryan's main passion is resource recovery, helping organizations maximize the assets and resources that they already have, while making sure new investments are put in the best position to succeed.

Ryan Nordvik

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Associate, Arup

Ryan Nordvik is an Associate at Arup, where he leads projects and supports clients for Arup's West Geography Water Infrastructure portfolio. With 12 years of consulting engineering experience, Ryan specializes in hydrology, hydraulics, and civil infrastructure design. His work includes collaborating with municipal clients to develop improvements for stormwater and wastewater collection systems, assisting private sector developers with greenfield and retrofit projects, and partnering with contractors on some of California's most iconic projects. Ryan served as the design lead for all civil and hydraulic components of the Gravity Pipeline project, which covered the project's pipeline, connecting pipework, drop structures, sediment transport, and site development. Ryan currently resides in Portland, Oregon, where he is focused on establishing new client relationships for Arup in the Pacific Northwest.

Ryan Orth

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Principal, EnviroIssues

Ryan has spent two decades bringing together public agencies and communities together for impactful change. With a knack for strategic outreach and communications, Ryan creates transformative public engagement programs for everything from wastewater woes to stormwater solutions.

What sets Ryan apart is his unwavering commitment to collaboration. With each project, he doesn't just inform stakeholders – he creates a sense of belonging in the decision-making process. Working hand-in-hand with managers, engineers, scientists, and a myriad of other experts, he's forged partnerships that turn ideas into reality. Together, they've tackled challenges around culvert replacements, green stormwater infrastructure, and conveyance systems. By fostering open dialogue and championing inclusivity, he ensures that every voice is heard and every perspective valued.

Fueled by a passion for learning, Ryan is always evolving and tailoring his approach. With each project and every interaction, he looks for ways to expand what's possible in the realm of public engagement.

Sam Reifsnyder

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Technologist, Carollo Engineers, Inc.

Samantha Brittain

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Delivery Systems Sr Manager, Brown and Caldwell

Over the past 13 years, Samantha Brittain has provided electrical engineering and project management services to municipalities and private-sector industrial clients across the United States. Samantha is presently the Area Project Delivery leader for Brown and Caldwell's Northwest team providing clients with excellence in project delivery for successful project outcomes.

Samantha Salvia, P.E.

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Senior Project Manager, Brown and Caldwell

Samantha is a dynamic project manager at Brown and Caldwell, where she leads multidisciplinary planning projects with a focus on wet weather infrastructure. Her background includes more than 20 years of experience in water resource management and strategic communication. She has a proven track record of managing large project delivery teams, both as a consultant and while working for a large utility in the California Bay Area. A skilled facilitator, Samantha enjoys guiding

clients in inclusive, multi-stakeholder decision-making. She has been working closely with Dana Devin-Clarke on Inverness related planning for more than two years. Beyond her professional endeavors, Samantha coaches a middle school ultimate frisbee team in Portland and sees both sports and water as important forces shaping our communities.

Samir Mathur

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Senior Vice President and Water Reclamation Practice Leader, CDM Smith

To be provided later.

Sarah Burch

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Associate Engineer, Kennedy Jenks

Sarah Burch has 5 years of experience working for Kennedy Jenks working in asset management, environmental compliance, and stormwater treatment design. Portland BES and Kennedy Jenks embarked on a 5-year project to create the Condition Assessment Program, and Sarah has been the boots on the ground coordinating inspections, 3D scanning, and GIS mapping. Halfway through the project, she is becoming a local expert in inspection technologies and risk-based inspection strategies. Sarah graduated from RPI with a MS and BS degree in Environmental Engineering and from Oregon State University with a PhD in Water Resources Engineering.

Scott Buecker

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Wastewater Practice Leader, AE2S

Scott is the wastewater practices leader for AE2S out of their Bozeman, MT office. He has 24 years of experience in the wastewater industry, starting with lab rat work in the Nine Springs (Madison, WI) Water Resource Recovery Facility as he was getting his masters degree in Civil & Environmental Engineering from UW-Madison. He has worked on the design, construction administration and operations consulting on dozens of treatment facilities across the western U.S.

Scott Schaefer

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Practices Director, AE2S

Scott Schaefer is an American Wrestler from Iowa State University. He is AE2S' former Wastewater Practice Director and current Practices Director. Scott has been actively involved in the Water Environment Federation's Disinfection and Public Health Community, and is currently the Community Leadership Council Director. He has worked on numerous water resource recovery facilities throughout the western and midwestern U.S.

Shannon Cavanaugh

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Process Engineer, Brown and Caldwell

Shannon is a process engineer at Brown and Caldwell in Seattle focused on wastewater and biosolids planning projects. She is interested in greenhouse gas accounting and monitoring for treatment plants and is an active member of the WEF Greenhouse Gas Focus Group. Her graduate research with King County focused on nitrous oxide emissions from wastewater treatment. She received her MS in Civil and Environmental Engineering from the University of Washington and BS in Environmental Science from UCLA.

Shannon Johnson

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Environmental Engineering Manager, City of Nampa, ID

Shannon Johnson

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Project Manager, Slayden Constructors

Shannon has five years in the water/wastewater industry. She started her career as a Project Engineer working on the Tri-City Water Resource Recovery Facility project. Her expertise and high level of project management skills transitioned her from an Assistant Project Manager role on the Geren Island WTP Filter 2 Replacement project into the Project Manager role on the City of Sandy WWTP Condition Assessment Improvements Project. Her proven ability to collaborate on all levels, mitigate risks to ensure construction never disrupted the plants' daily activities, and overcome any challenges during construction was a vital part in helping the City of Sandy successfully pass their Stress Test and the moratorium lifted. In 2023, Shannon was voted in as the Vice-President of the PNCWA Construction Committee.

Shawn Spargo, PE

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Senior Engineer, Kennedy Jenks Consultants

Shawn Spargo has more than 23 years of experience in water and wastewater treatment, construction management, and facility operations. His focus has been on projects involving wastewater treatment facility process selection, design and construction.

Shelby Smith

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Senior Project Manager, HDR Engineering, Inc

Shelby is a senior project manager and HDR's Washington Wastewater Treatment Plant Business Class Lead where she manages the wastewater engineering team, supports wastewater market pursuits and business development, and engages in local wastewater planning and design projects and programs. Her professional engineering experience focuses on program management, owner's advisor services, collaborative delivery methods analysis and selection, procurement, and wastewater facility planning and design for public agencies in the wastewater industry. Shelby is passionate about water and delivering positive outcomes for communities and the environment.

Shubhashini Oza

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Process Engineer, Brown & Caldwell

Shubha Oza is a Process Engineer for Research & Innovation group at Brown & Caldwell. She has over 15 years of experience in applied research and development. She has a Ph.D. in Environmental Systems from University of North Carolina at Charlotte. She is currently leading several research projects related to reuse, biosolids and wastewater at Brown and Caldwell.

Skylar Watnick

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Process EIT, Stantec

Skylar graduated from the University of Michigan in 2020 with a degree in Environmental Engineering. She has been with Stantec for a year and a half as a Process Engineer in Training, contributing to both water and wastewater design. Prior to joining Stantec, Skylar worked at a water

resource recovery facility in Oregon focusing on enhanced Bio-P research. At Stantec, Skylar has worked on sidestream treatment analysis, densified activated sludge research, and process mechanical design.

Spencer Goodro

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Lead Operator RNG, City of Eugene/MWMC

Lead Operator for RNG system at Eugene WWTP. Have held certifications for 30 years.

Stuart Hurley

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Idaho Water Practice Lead, Merrick

Sudip Gautam, Ph.D.

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Project Engineer, BHC Consultants

Civil Engineer specializing in hydrologic and hydraulic modeling and GIS applications in water resources. Interested in helping communities develop adaptive and stakeholder-driven water resources planning and management strategies, and become more resilient to climate change related stresses.

Summer L. Sherman-Bertinetti

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Operations Analyst, Clean Water Services

Summer is an Operations Analyst in the Research and Innovation Department at Clean Water Services. She currently leads the method development for bringing a trace organics lab in-house at Clean Water Services, with her current efforts focused on developing EPA 1633 method for PFAS analysis. Her work at Clean Water Services focuses on research of emerging contaminants throughout WRRFs and the surrounding waters and soils. Summer received her BS in Chemistry and BS in Mathematics Applied Science from the University of California, San Diego (UCSD) in 2017 and PhD in Chemistry from the University of Wisconsin, Madison (UW-Madison) in 2022. Following her PhD, she continued as a Postdoctoral Research Associate at UW Madison, in which she spent

her time researching PFAS in surface water, natural freshwater foam, and in ice around Wisconsin. Shortly following her move to Oregon in 2023, she joined Clean Water Services.

Tam Truong

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Territory Manager, PNW, USP Technologies

USP Technologies is a leading provider of peroxygen-based technologies and full-service chemical treatment programs for municipal and industrial water and wastewater treatment applications. Serving the market for over 25 years with our consultative approach, our objective is to deliver sustainable and efficient program results that meet the highest standards of environmental stewardship.

Tammy Lupenski

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Project Manager, Hoffman Construction Company

Over the past 26 years, Tammy Lupenski has provided project management services to various sectors including waste management, high-tech, industrial, civil infrastructure, mixed-use, transportation and public university buildings. Tammy is presently a Project Manager for Hoffman Construction on two King County projects, the emergency work order project discussed in this panel and another GC/CM project at the West Point Wastewater Treatment Plant and ensures quality, safety, schedule and budget adherence while fostering solid stakeholder relationships.

Tamzen Macbeth

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Remediation Practice Leader, CDM Smith

Dr. Tamzen Macbeth is a senior vice president and remediation practice leader with CDM Smith with over two decades of experience, with the last decade spent specializing in PFAS site characterization and treatment. She possesses an in-depth understanding of the science of PFAS sampling and analysis, fate and transport, and treatment in multiple media, including surface and groundwater, stormwater, sediments, soils, and biosolids. She authored over 100 technical papers, manuals, and courses on remediation for various organizations, effectively applying her research and development knowledge to engineering practice.

Taylor Romenesko, PE

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Senior Engineer, Carollo Engineers Inc.

Taylor Romenesko grew up in rural Alaska without running water or a connection to the sewer system. This upbringing piqued his interest in all things water. Taylor graduated with a Master of Science in Civil Engineering from the University of Idaho, Moscow and joined Carollo Engineers in 2017. Since joining Carollo, he has designed filtration systems for water, wastewater, and reuse treatment plants across the United States, operated pilot scale membrane filters, helped optimize backwash systems, and assisted in startup of granular media filters. He holds professional engineering licenses in California, Idaho, and Oregon. Taylor's background in biological phosphorus removal and conventional water treatment experience is well suited for tertiary phosphorus removal projects. He enjoys thinking creatively about how to synergize different treatment processes to maximize plant wide efficiency and minimize waste products. In his spare time, Taylor tends to his garden and spends time in the kitchen.

Teigan Gulliver

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Senior Water/Wastewater Engineer, HDR, Inc

Teigan Gulliver is a Water and Wastewater Engineer for HDR, Inc. in Los Angeles, CA. After attaining a B.S. degree in Civil Engineering at the University of Minnesota in 2008, she spent 6 months hiking the Appalachian Trail (AT) and 2.5 years in Peru as a water and sanitation Peace Corps Volunteer. Thereafter, she continued providing safe drinking water and sanitation to the public as a water/wastewater engineer in Colorado before pursuing a Master's degree at the Colorado School of Mines (CSM) researching microplastics in wastewater. Microplastics have taught Teigan how small things make a big difference, sparking her interest in PFAS and process optimization. These independent experiences continue to shape Teigan's leadership, teamwork and communication skills, which she uses in and outside of her profession.

Tim Mills, PE

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Dir. Client Services, Brown and Caldwell

Tim leads engineering teams in the delivery of planning, design, and engineering services during construction of wastewater projects. Tim has worked on numerous projects throughout Oregon, Washington, and California as the project manager or project engineer leading multidisciplinary teams. His technical focus is in the areas of solids processing, digestion, solids thickening, energy efficiency, dewatering, and renewable energy.

Todd Latchaw

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Director Municipal Business USA/Canada, Passavant-Geiger Aqseptence Group

Bio: Todd Latchaw (USA)

Municipal Sales Director - US & Canada, - Passavant-Geiger GmbH, a brand of Aqseptence Group.

Todd Latchaw is the Municipal Sales Director for Passavant-Geiger, based in West Michigan.

With over 20 years of experience in water and wastewater, Todd brings a complete understanding of the process treatment and treatment equipment industry. He has represented various equipment technologies in water and wastewater applications throughout his environmental career. Some of which have been new process equipment technologies to market, such as: screening, biological, clarification, and filtration, in the North American Market and overseen the introduction and implementation of these technologies.

Todd Williams

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Global Principal Technologist, Jacobs

Mr. Williams has a 43-year career in environmental engineering with experience and specific emphasis in the biosolids and residuals management field. Mr. Williams is a recognized biosolids management planning expert having supported the development of dozens of biosolids and residuals management master plans in his career which include adaptive planning to manage emerging contaminants such as PFAS. In the past several years, he has studied and researched the fate of PFAS in biosolids processed through advanced digestion, composting, alkaline stabilization, thermal drying and carbonization (pyrolysis and gasification). He has written papers and given technical presentations at professional conferences on the topic of PFAS in biosolids at over a dozen technical conferences in the past year.

Topher Jones

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Environmental Engineer, Brown and Caldwell

Dr. Topher Jones is working on advancing integrated water systems decision-making strategies at Brown and Caldwell. Topher is interested in researching the sustainability of water systems using environmental and social criteria not traditionally considered; and health risks associated with anthropogenic impacts to water systems.

Trent Dyksterhouse

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Construction Project Manager, RSCI

Trey Poer

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HST Product Manager, Sulzer Pumps Solutions Inc. United States of America

Trey is an experienced Regional Manager with a demonstrated history of working in the rotating equipment / machinery industry. His success in industrial processes and distributor management have been recognized by Sulzer, leading him to the role of Product Manager of the HST Blower from Sulzer Pump Solutions.

Tyler Kane

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Engineer, Carollo Engineers

Tyler Kane is an engineer with Carollo Engineers. In his 5+ years with the company, he has worked on a variety of treatment design projects, focusing on chemical systems, disinfection, and PFAS treatment and mitigation. Tyler graduated from the University of New Hampshire with a master's in environmental engineering, where his studies focused on new applications of UV disinfection. This has led to his contributions to Carollo's UV validation facility, which has tested and validated most drinking water UV systems used in North America. Tyler also serves as Carollo's PNW PFAS lead.

Tyler Resnick

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Vice President, McAlvain Construction

As a General Contractor and Construction Manager, Tyler Resnick has successfully completed numerous Public Improvement projects. He has experience on urban renewal and infrastructure projects such as the Dixie Drain Phosphorus Removal Facility, Grove Plaza Renovation, and the Lander Street Water Renewal Facility projects. Throughout his career, an emphasis on delivering complex infrastructure projects has driven his passion for improving the community. His focus on sustainable solutions has been reinforced through sitting on the City of Boise Green Building Code Review Board and currently sitting on the City of Boise Building Code Advisory Board.

Tyson Carpenter, P.E.

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City Engineer, City of Jerome, Idaho

Tyson has 15 years of engineering experience in Idaho and Washington. He has been responsible for all aspects of planning and development projects in the areas of transportation, water, wastewater, and stormwater. He has a bachelor's degree in civil engineering from Idaho State University.

Tyson Schlect

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Wastewater Process Engineer, HDR

Tyson Schlect is a wastewater process engineer with a background in biological nutrient removal, wastewater treatment planning, and regulatory risk management including PFAS strategy for municipal wastewater utilities.

Valentino Villa

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COO, Bioforcetech Corporation

Valentino Villa is the Co-Founder and Chief Operating Officer at Bioforcetech Corporation. He earned an Italian professional designation for an industrial expert in the field of engineering that is recognized as an industrial engineer outside of Italy. Since Co-founding Bioforcetech in 2012, Valentino and his team have been rethinking every step of biosolids management to prepare for a carbon free future. Valentino believes that Bioforcetech's biochar, OurCarbon®, is a resource, which is why he and his team are investing in research and development to expand the applications for biochar far beyond soil amendment. Valentino lives in California with his wife and two kids, Leonardo and Luca.

Venu Kandiah

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Project Manager, DHI Water and Environment

Venu Kandiah is a civil engineer with background in water, wastewater and stormwater infrastructure modeling planning, engineering, and risk assessment. He has eighteen years of work experience in the areas of hydrologic and hydraulic modeling (including simulation, optimization and visualization), integrated 1D/2D modeling, development and maintenance of real time decision support systems and digital twins, master planning, risk assessment and emergency response planning, and design of water, stormwater, and combined sewer and wastewater infrastructure systems.

Wayne Gresh

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Project Manager, Carollo Engineers, Inc.

Wayne Gresh is a professional engineer with over 40 years of planning, design, and construction experience for water and wastewater infrastructure projects. He is a project manager with Carollo Engineers serving municipal clients throughout the Pacific Northwest on a variety of projects. His expertise includes delivering new treatment plants and upgrades to existing plants using traditional and alternative delivery methods, leading vulnerability and resilience studies to address natural and anthropogenic events, and transmission, conveyance, and pumping systems for water, wastewater, and reuse systems.

Wayne is the design team's project manager for work by a progressive design-build team for upgrades to the City of Klamath Falls wastewater treatment plant that are being made in a series of phases. He is part of a team working with the city to find beneficial reuse alternatives for compliance with nutrient and temperature permit limits.

Wendy Woothtakewahbitty

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Faculty Research Assistant, Oregon State University

Wendy Woothtakewahbitty brings a 10-year background in project management and 1-year of clinical SARS-CoV-2 assay experience to her current position in Oregon's Wastewater Surveillance program in the School of Chemical, Biological, and Environmental Engineering at Oregon State University. This marks a return to the institution where she earned a Bachelor of Science in Microbiology and minor in Chemistry with summa cum laude distinction. As a Faculty Research Assistant, she trains, supervises and collaborates with students in both environmental engineering lab and digital communication program areas. One of her focus areas is improving communications and relationships with 40 utilities across Oregon in support of wastewater surveillance participation. She has an interest in increasing access to and knowledgeable application of wastewater surveillance data by county public health agencies across Oregon. She is a proud mom to 3 humans and 2 canines. She looks forward to sharing her experiences today.

William Leaf

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Principal Technologist, Jacobs

William Leaf is a registered professional engineer, specializing in wastewater treatment, startup and commissioning, and process optimization. Mr. Leaf has 30 years of experience in the industry, focusing on municipal wastewater treatment. He has provided multiple training courses over the years along with presenting at a number of conferences. Mr. Leaf is a vice president and senior water resource recovery technologist with Jacobs Engineering, based in Boise, Idaho. Outside of work, William likes to ski as much as possible and counting the days until the snow flies.

Yarrow Murphy

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Co-chair, PNCWA Utility Management Committee

Yarrow serves as the Vice Chair of the PNCWA Utility Management Committee with Jessica Rinner as the Chair. Yarrow has 17 years of experience serving public wastewater utilities as a collection system planner and hydraulic modeler. She currently leads these activities as the Senior Engineer with Leeway Engineering Solutions.

Yewei Sun

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Principal Scientist, Hazen and Sawyer

Yewei Sun is a Principal Scientist at Hazen and Sawyer. He received his Ph.D. degree in Civil Engineering from Virginia Tech in 2020, where he also received his BS in 2014 and MS in 2016. His research focuses on the mathematical modeling and process design of advanced biotechnologies, e.g. biologically activated filtration (BAF), aerobic granulation, and anammox for water/wastewater treatment.

Zach Conde

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Senior Environmental Specialist, City of Boise

Zach's career path in water quality began with seasonal work for the Idaho Department of Environmental Quality. It continued with the environmental division at the City of Garden City,

Idaho, and led to his current position in Boise's pretreatment program. Zach holds a Bachelor's degree in Environmental Policy from Fort Lewis College in Durango, Colorado. Zach has helped countless industrial users achieve compliance throughout his 10+ year career in pretreatment.

Natalie Monro

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President, PNW WaterReuse Association

Natalie has worked in communications for public works for 6 years, first at the City of Boise and more recently for the City of Bellingham. She has focused on climate communications, wastewater communications (including the development of a new recycled water program), transportation, solid waste and recycling education. She specializes in strategic communications planning and is always ready to try a new approach to engaging the community. She holds a Bachelor's Degree in Psychology from the University of Puget Sound and a Master's Degree in Public Administration from Boise State University.

Pat Sinicropi

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Executive Director, WaterReuse Association

Patricia Sinicropi is the Executive Director of the WaterReuse Association, an organization that advocates for laws, policy, and funding to increase water reuse and develops technical education and communications tools to support water reuse practitioners. Patricia has over two decades of experience as a policy expert and advocate on water-related issues in Washington, DC. Prior to joining the WaterReuse Association, she served as Senior Legislative Director for the National Association of Clean Water Agencies (NACWA) and as Legislative Counsel to the Water Environment Federation (WEF). Prior to joining WEF, Pat represented the Rural Community Assistance Partnership (RCAP), an organization providing technical assistance to small, rural communities on drinking water and wastewater infrastructure needs. She also served in the Clinton Administration as Deputy Director at the President's Council on Sustainable Development for the National Town Meeting on Sustainable America and as Special Advisor on Livable Communities to Deputy Secretary of the U.S. Department of Agriculture.

Scott Mansell

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Principal Engineer, Research and Innovation Program, Clean Water Services

Scott is a Principal Engineer in the Research and Innovation Program at Clean Water Services in Hillsboro, Oregon. Scott's career in research and engineering has covered an exceptionally wide range of subject areas within the One Water field including wastewater, stormwater, reuse, soils, surface waters, and the watershed. 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. He has collaborated on many research projects and studies with universities, consultants, and other utilities around the country. Scott received his BS in Civil and Environmental Engineering from the University of Utah in 2006 and worked in consulting for 2 years before starting grad school. After earning a PhD in Environmental Engineering from UC Berkeley in 2012, Scott worked in consulting for 5 more years before coming to Clean Water Services in 2017. He is a registered engineer in the State of Oregon and serves as the Co -chair of the Oregon ACWA Water Quality Committee and the Pacific Northwest representative for the WateReuse Association Research Committee.

Jocelyn Jones

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Reclaimed Water Policy Lead, WA Department of Health

Jocelyn W. Jones has more than 20 years in state government. She is currently the Reclaimed Water Policy Lead at the Department of Health. This is a new position at the department with the main goal being to advance water reuse across the state. Prior to joining the Department of Health, Jocelyn was the Senior Water Quality Rules Planner at the Department of Ecology, a Legislative Aide at the WA State House of Representatives, and an intern and nonpartisan policy research analyst at the Arizona State Senate.

Paula Kehoe

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Director of Water Resources, San Francisco Public Utilities Commission

Paula Kehoe has 30 years of experience working on urban environmental initiatives, including water pollution prevention, solid waste management, and water and wastewater management for the City of San Francisco. Currently, she serves as the Director of Water Resources with the San Francisco Public Utilities Commission (SFPUC) and is responsible for diversifying San Francisco's water supply portfolio through the implementation of water conservation, groundwater, recycled water, onsite water reuse and innovation programs. Paula spearheaded San Francisco's landmark legislation allowing for the collection, treatment, and reuse of alternate water sources within buildings and districts. Paula leads the SFPUC's OneWaterSF Program which has cultivated a shift to an integrated approach to water, wastewater, and power management. Paula is the Chair of the National Blue Ribbon Commission for Onsite Non-potable Water Systems and is a Board Member of the WateReuse Association.

Kyle Bair

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Regional Environmental Manager, Amalgamated Sugar

Kyle Bair has worked for Amalgamated Sugar Company for 12 years in various capacities including as Factory Chemist, District Environmental Manager and presently as Regional Environmental Manager in the Nampa Idaho area. Over the last 7 years Kyle has managed all aspects of environmental compliance for the Nampa factory. Kyle's educational background is in biology and environmental science.

Jared Kinnear

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Reuse Program Manager, Clean Water Services

Jared is the Reuse Program Manager at Clean Water Services. He is a Professional Wetland Scientist and has worked on design, permitting, and implementation of wetland mitigation and stream enhancement projects throughout the Pacific Northwest for over 20 years. Jared has been with Clean Water Services for over 13 years and manages the Fernhill Wetlands Natural Treatment System, Reuse Program, and Biosolids Program. Fernhill Natural Treatment System is part of more than 750 acres in Forest Grove owned by Clean Water Services for water resources management. Fernhill utilizes natural treatment systems, or wetlands, to improve water quality by removing nutrients, cooling, and naturalizing the water after conventional treatment. The Reuse program currently irrigates 1 mgd, but has plans to expand the program exponentially to meet water quality goals for the Tualatin River. Clean Water Services biosolids program produces approximately 11,000 dry tons of Class B biosolids for beneficial land application on over 25,000 agricultural acres across different ecoregions in Oregon.

Blythe Layton

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Senior Research Program Manager, Clean Water Services

Blythe Layton is a Senior Research Program Manager at Clean Water Services, where she started the Molecular Biology laboratory (m.lab) in the Research & Innovation Department in 2020. Previously she was a Faculty Research Associate at Oregon State University, as well as a Microbiologist with the Southern California Coastal Water Research Project (SCCWRP) for 5 years. Blythe earned MS and PhD degrees in Environmental Engineering & Science from Stanford University, where her thesis focused on microbial source tracking in the coastal environment. Research in the m.lab uses genomic technologies (including droplet digital PCR and Oxford

Nanopore sequencing) to address challenges in biological wastewater treatment, ambient and storm water quality, biodiversity assessment, and wastewater surveillance.

Royce Davis

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Program Manager, City of Boise

Royce Davis is the City of Boise Recycled Water Program Manager with 20 plus years' experience treating water. Royce has held many different positions including Grounds Maintenance, Lagoon Technician, Wastewater Operator, Wastewater Supervisor, Sewer Superintendent and Plant Manager. While working as an Operator, Royce obtained an AAS in Water Resource Management from the College of Southern Idaho and a BS in Environmental Health from Boise State University. Currently, Royce is working to build the City of Boise's Recycled Water Program. He enjoys family time and all things outdoors.

Joe Payne

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Director of Project Development, Puttman Infrastructure

Joe Payne is the Director of Project Development at Puttman Infrastructure, Inc., which focuses on water, wastewater, and recycled water utilities. He oversees the development of new infrastructure projects and the capital improvements of utilities that Puttman Infrastructure owns and operates. Their portfolio includes water reuse utilities in Oregon, California, and Idaho. The types of beneficial use include irrigation, cooling towers, toilet flushing, indirect aquifer recharge through infiltration basins, and direct aquifer recharge through injection wells. Payne has twenty years of experience in engineering and managing utility development. He earned a BS in Civil Engineering from the University of Notre Dame and an MBA from Portland State University, and holds Professional Engineer licenses in multiple states. Puttman Infrastructure owns and operates water utilities throughout the West Coast. In addition to managing their own utilities, Puttman Infrastructure contracts O&M services and development services to outside parties such as municipalities, utility districts, and private utilities who need support with certified operators, regulatory coordination, and/or capital improvements.

Tom Points

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Public Works Director, City of Nampa

Tom Points is the Senior Public Works Director for the City of Nampa, the largest full-service City in Idaho. Tom leads a diverse group of professionals providing services in transportation, fleet, airport, drinking water, irrigation, water reclamation, stormwater, and engineering. Before being named the Senior Public Works Director in 2017, Tom worked for 15 years at the Idaho Transportation Department, 2 years at Washington Department of Transportation and 4 years as a geotechnical consultant in Spokane. Through Tom's 27 years of leadership in engineering, he has enjoyed mentoring many professionals to become leaders in their industry. Tom holds a Bachelor of Science in Geological Engineering from the University of Idaho and is a licensed Civil Engineer in Idaho. Some noteworthy accomplishments include developing and implementing a Transportation Funding Plan for Nampa and design, permitting and construction of a water reclamation facility to provide Class A recycled water to an irrigation canal, the first in Idaho. Tom is from Boise and his family homesteaded in Donnelly Idaho. When not managing engineering professionals, Tom enjoys the outdoors, running, mountain biking, skiing, camping, and fishing.

John Kmiec

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Director, Tucson Water

John P. Kmiec is the Director for Tucson Water. His career spans several decades with an emphasis on water resource management, utility leadership, and water quality challenges. Throughout his career, and during his tenure as the Director of Marana Water (2012-2019), he amplified efforts to shape Arizona's long-term vision and policy about sustainable water supplies, water quality, and the principle that all water has value. As a strategic and tactical leader, Kmiec served as an appointed member of Governor Ducey's Water Augmentation, Innovation, and Conservation Committee and currently sits on Governor Hobb's Water Policy Council. Kmiec is also a member of the Executive Board for the National Water Reuse Association and a former Director on the AZ Water Association Board.

Eric Roundy

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Process Engineer, Keller Associates, Inc.

Eric has 20 years of experience designing and evaluating wastewater treatment systems. He has a master's degree in environmental engineering from the University of Illinois at Urbana-Champaign, a bachelor's degree in civil engineering from the University of Nebraska-Lincoln, and a master's degree in business administration from Mississippi State University. He is a licensed professional engineer in five states, including Idaho, Washington, and Oregon. He is currently a process engineer for Keller Associates, Inc.

Julia Reese

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Project Engineer, Keller Associates, Inc.

Julia Reese graduated from the University of Idaho with a bachelor's degree in civil engineering and a master's degree in water resources. She provides technical support on water and wastewater planning and design projects. She is currently a project engineer for Keller Associates, Inc.

Chris Curtis

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Public Works Director, City of Mountain Home

Chris Curtis serves as the City of Mountain Home's public works director. Prior to this role, he served as the City's planner and as Fire Chief at the US Air Force Base for 25 years. Chris possesses a Bachelor of Science degree from Columbia Southern University.

