

## Back to the Future – Water Treatment Workshop

June 1, 2022 – 8:30AM-12:00PM

Registration Site: <http://events.r20.constantcontact.com/register/event?llr=fdcbrhjab&oeidk=a07ej5ywwnbadb73c6c>

Time	Presentation Title	Speaker	Company	Contact Info	Biography
8:30-8:40	Welcome (not included in CEU class time)	Brian Smith	Wilson Engineering	805 Dupont Street, Suite 7 Bellingham, WA 98225 Phone: 360-733-6100x1216 Cell: 360-312-3089 Email: bsmith@wilsonengineering.com	Brian Smith is a design engineer at Wilson Engineering where he works on projects to revitalize, repair, or create infrastructure for water, wastewater, and stormwater systems. He has a BS in Civil Engineering from Gonzaga University and a MS in Environmental Engineering from Oregon State University.
8:40-9:10	Pre-Treatment Basics and Future Resiliency	Enoch Nicholson	Stantec	1100 112th Ave NE, Ste 500 Bellevue, WA 98004 Phone: 425.233.3259 Email: enoch.nicholson@jacobs.com Cell: 206.650.4003	Mr. Nicholson is an engineer with Jacobs' Water Business Group in Seattle, Washington. During his 16 years of experience, he has been involved in several cross discipline projects primarily focusing on drinking water treatment and water system seismic vulnerability analysis. Enoch is a Subject Matter Expert in water treatment evaluation and design including direct and conventional filtration, chemical systems, UV disinfection, chloramination, slow sand filtration, lime softening, recarbonation, ion exchange, ozonation, groundwater treatment, membrane filtration, and water reuse.
9:10-9:40	This is Heavy, Doc!....Making Flocc (and Other Pre-treatment Processes) at the Green River Filtration Facility	Kim Defolo	Tacoma Water	3628 S 35th Street Tacoma, WA 98409 Phone: (253) 396.3087 Cell: (253) 405.6511 Email: kdefolo@cityoftacoma.org	I am a Principal Engineer at Tacoma Water, where I've worked for almost 17 years and currently lead the Water Quality Engineering group. I have a Civil Engineering degree from Washington State University and a Master's degree in Environmental Engineering from The University of Texas. I'm a licensed Civil Engineer in Washington and California and hold a WDM4 in Washington.
		Gary Fox	Tacoma Water	3628 South 35th Street Tacoma, WA 98409 Phone: 253-377-1138 Email: gary.fox@cityoftacoma.org	I am a Professional Engineer at Tacoma Water, where I have worked for 14 years and am currently in the Water Quality Engineering group. I have a Chemical Engineering degree from Washington State University. I am a licensed Chemical Engineer in Washington and hold a WTPO 4 certification in Washington.
9:40-9:50	Break				

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9:50-10:20	Filtration Basics and Future Resiliency	Lynn Stephens	Brown & Caldwell	701 Pike St #1200 Seattle, WA 98101 Phone: 206.749.2893 Cell: 906-281-0530 Email: lstephens@brwncald.com	Lynn Stephens is a subject matter expert for filtration, adsorption, and biological filtration at Brown and Caldwell. Lynn has worked on multiple filtration projects in the northwest and throughout the country. Lynn's has expertise in water treatment design, optimization, and pilot testing and understands how source water quality changes impact treatment. Lynn is the past Chair of the AWWA Biological Drinking Water Treatment Committee, co-authored the Ten State Standards 4.3.7 section titled Biologically Active Filters for Surface Waters, and is co-chairing the new Manual of Practice on Biological Treatment.
10:20-10:50	Filtration Case Study	Todd Evers	Joint Water Commission	Phone: 503-615-6660 Email: todd.evers@hillsboro-oregon.gov	My name is Todd Evers and I have been working in the water industry since the early 90's. I spent 12 years at the City of Portland Bull Run Water Treatment Facility and have been with the Joint Water Commission since 2016. I am currently a Water Plant Coordinator, and my job duties include overseeing operations and maintenance to ensure the WTP meets all drinking water standards, hiring staff, contracting, budgeting, and overseeing all day-to-day activities. I am a certified operator in the State of Oregon, holding a level IV Treatment and level III Distribution certificate.
10:50-11:00	Break				
11:00-11:30	Operating and Safety Issues with Different Chlorination Systems	Pierre Kwan	HDR	600 University Street, Suite 500 Seattle, WA 98101 Phone: 206-826-4735 Cell: 206-307-7362 Email: pierre.kwan@hdrinc.com	Pierre is HDR's Water Treatment Director and has 22 years of experience in drinking water treatment planning studies, design, construction, and operations/optimization. He is based in Seattle and is a registered professional engineer in Washington, Oregon, and British Columbia.
11:30-12:00	Disinfection Case Study	Dan Burke	Eastsound Water	Phone: (360) 622-3343 Email: dan@eastsoundwater.org	Dan Burke is the General Manager at Eastsound Water. He holds a BS in Business Administration from California Polytechnic San Luis Obispo and is a certified Automation Programmer.
		Sam Prado	Eastsound Water	Email: sam@eastsoundwater.org	Sam Prado is a Water Treatment Operator at Eastsound Water. He attended Whatcom County Community College for Environmental Science and is a certified Cross Connection Control Specialist, WDM2, and WTPO2 in WA State.