

Course Outline and Training Goal

The course will provide an introduction to the prevalence of wildfires in the Pacific Northwest, will touch on the effects on source water quality and treatment, and then will provide treatment recommendations and case studies to show how to best prepare for future wildfire events.

The training goal is to provide some background and tools to address changes in water quality during and after wildfire events.

See the next section for a details outline and schedule.

Time Schedule Including Start, End, Breaks, and Meals

	Presenter	Presentation Title
8:30 – 8:40 AM		Introduction
8:40 – 9:10 AM	<i>Lynn Stephens</i>	<i>An Introduction to Planning and Responding to Wildfire Impacts in the Pacific Northwest</i>
9:10 – 9:40 AM	<i>Mandi Hohner</i>	<i>Wildfire Effects on Source Water Quality and Treatment</i>
9:40 – 9:50 AM		Break
9:50 – 10:20 AM	<i>Larry Demers</i>	<i>Applying Optimization Approaches to Wildfire Impacts on Water Quality - Assessing Treatment Barriers and Vulnerabilities</i>
10:20 – 10:50 AM	<i>Jason Canady and Ben Klayman</i>	<i>Rogue Drinking Water Provided Perspective on Two Simultaneous Southern Oregon 2020 Wildfires</i>
10:50 – 11:00 AM		Break
11:00 AM – 12:00 PM	<i>Rob Henry</i>	<i>Case Study of the Wildfire Impacts to the Detroit, OR Water Supply</i>

Note: no meals, as the event is virtual via Zoom.

Method of Tracking Attendance

Attendance will be tracked using the Zoom webinar attendance features and polling features. Time when attendees join and leave the webinar will be tracked, and a poll will be conducted each hour to confirm that the attendees are engaged in the webinar.

Speaker Information

Name	Company	Bio	Contact Information
Lynn Stephens	Brown and Caldwell	Lynn helps utilities throughout the country with climate change preparedness by helping them develop programs, policies, and projects to adapt and mitigate adverse impacts. She has served as co-principal investigator and project manager on two Water Research Foundation climate resilience studies that included identifying climate change risks to an agency's source water and infrastructure, and recommending a suite of adaptive strategies to address the range of anticipated changes. Lynn's also has expertise in water treatment design, optimization, and pilot testing and understands how source water quality changes impact treatment.	206-749-2893 LStephens@brwnca.com
Mandi Hoehner	Washington State University	Amanda (Mandi) Hohner is an assistant professor in the Department of Civil and Environmental Engineering at Washington State University. Her primary area of expertise focuses on the characterization of source water quality and drinking water treatment processes. Within this area, she evaluates the effects of extreme events and climatic disturbances on watersheds and drinking water system resiliency.	509-335-9834 ahohner@wsu.edu
Larry DeMers	Process Applications, Inc.	Larry is the president of Process Applications, Inc. (PAI), and he has worked in the field of water and wastewater treatment optimization for over 40 years. PAI provides engineering consulting services related to the optimization of water and wastewater treatment facilities to a variety of clients including the US EPA, multiple state drinking water oversight agencies, water and wastewater utilities, and consulting engineers.	970-223-4787 ldemersco@aol.com
Jason Canady	City of Grants Pass	Jason Canady is currently the public works director for the City of Grants Pass where his current responsibilities include water, wastewater, transportation, stormwater, engineering, fleet services, facilities management and more. With more than 20 years of water treatment experience drinking water has always been by "go-to" utility and while I don't directly work in water any more, my heart will always be at the water plant, and with the turbid water flowing down the Rogue River!	541-660-6795 jason.m.canady@gmail.com
Ben Klayman	Medford Water Commission	Dr. Klayman is currently the director of water quality and treatment at the Medford Water Commission where he is responsible for planning, directing and supervising activities related to watershed protection/management, water production, treatment and water quality control.	541-774-2728 Ben.klayman@medfordwater.org
Rob Henry	HBH Consulting Engineers, Inc.	Rob is a Principal and co-founder of HBH with over 27 years of experience in the municipal engineering field. He has served as the City Engineer for numerous communities throughout his career and is currently the Engineer of Record for the Detroit, Beaver Water District, and Dumbeck Lane Domestic Water District as well as Assistant City Engineer for Rockaway Beach and Junction City. Rob has provided project management for numerous water and wastewater projects, including treatment plants, pump stations, pressure mains, and master plans. Robert also oversaw the Oregon Health Authority Drinking Water Circuit Rider Program for 15 years. He was called upon for his expertise in this program throughout the state. His oversight led to the phenomenal success of the Circuit Rider program and recognition by the State and many communities.	503-554-9553 rhenry@hbh-consulting.com