



SMALL SYSTEM OPERATOR TRAINING:
Achieve & Maintain Compliance with the SDWA



Oregon Dates: Tuesday and Wednesday, June 20-21, 2023

Times: 9 am until 12:30 pm each day

Where: Virtual-Links to access will be provided to those registered.

A 2-day workshop (6 total hours) sponsored by a U.S. EPA grant to the Rural Community Assistance Partnership (RCAP) and American Water Works Association (AWWA)

Workshop Title: AWWA-RCAP Achieve & Maintain Compliance with the SDWA - **Oregon**

Education Hours Requested: 6.0 Hours.

Course Synopsis: This online 2-day workshop provides an overview of the updated regulatory rules for distribution systems. Topics covered in the workshop include history of public health protection, distribution system health impacts, PFAS, revised total coliform rule, ground water rule, stage 2 DBP rule, and Lead and copper rule. This workshop has been specifically developed for small water systems in the state of **Oregon**.

Learning Objectives: Are outlined below under each topic.

Tuesday, June 20th, 2023

Time	Topic	Instructor
9am – 10 am	<p>Regulatory Overview. An hour-long introduction to the Safe Water Drinking Act regulations.</p> <p>Learning Objectives for this section:</p> <ol style="list-style-type: none"> 1. Describe the importance of the distribution system as a barrier for protecting public health 2. Identify distribution regulations and requirements for drinking water 	Kyla Jacobsen
10 am – 11 am	<p>Contaminants of Concern: PFAS. This lesson examines the origin, the concerns, and provides information for small systems about protecting public health.</p> <p>Learning Objectives for this section:</p> <ol style="list-style-type: none"> 1. To have a greater knowledge of PFAS/PFOA and associated health concerns 2. Understand current regulations 3. Identify proper sampling procedures 4. Understand how to address the problem 5. Identify resources for assistance 	Kyla Jacobsen

11 am – 12:30 p.m.	<p>Cyanotoxins. This workshop helps utility personnel understand cyanotoxins and the best way to manage them at their utilities.</p> <p>Learning Objectives for this section:</p> <ol style="list-style-type: none"> 1. Describe how, when and why cyanobacteria toxins occur 2. Evaluate situations to determine when you need to take action – and what actions to take 3. Effectively analyze the best options for your utility to limit exposure to cyanotoxins 4. Apply the self-assessment checklist 	Kyla Jacobsen
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Wednesday, June 21st, 2023

Time	Topic	Instructor
9 am - 10:30 am	<p>Controlling Lead and Copper in Drinking Water. This workshop provides an overview of the requirements for addressing lead and copper in drinking water, aimed specifically at small water systems.</p> <p>Learning Objectives for this section:</p> <ol style="list-style-type: none"> 1. Apply the regulatory requirements of the Lead and Copper Rule to your system 2. Calculate the 90th concentration 3. Summarize factors that will impact the release of lead and copper 4. Apply action to protect consumers from lead and copper 5. List new requirements of the LCRR 	Quinn Andreas
10:30 am - 12:30 p.m.	<p>Disinfection/DBP Treatment Strategies. This workshop discusses the various treatment strategies available for Stage 2 DBP Rule compliance.</p> <p>Learning Objectives for this section:</p> <ul style="list-style-type: none"> • Describe the importance of disinfection • List the types of disinfectants • Summarize disinfection basics (chlorination and chloramination) • Evaluate disinfection dosing and monitoring 	Kyla Jacobsen

Instructor Bios:

Kyla Jacobsen is the retired Utility Director from the City of Elgin (IL). She has been in the water industry for over 35 years. She started as a bench chemist in the water quality laboratory, worked as the chief chemist in charge of water quality and eventually became the utility director in charge of drinking water, sewer collection and conveyance and stormwater. Kyla fulfilled many roles during her career at the utility and as a volunteer for the American Water Works Association (AWWA). She served as the chair of the IL Section AWWA, she served as a director on the board for the AWWA in Denver, and she has chaired many committees at the state level (Outreach, Water Utility Council, Diversity & Inclusion) as well as committees at the national level. She has served as a trainer for the IL Section AWWA for water operators for over 15 years. Kyla received her BS in Chemistry from Southern Illinois University, MS in Biochemistry from Northern Illinois University, and a MS in Environmental Engineering from Illinois Institute of Technology.

Quinn Andreas Rural Development Specialist -RCAC- Environmental Salem, OR

Quinn Andreas joined RCAC in 2019 as part of the Environmental Finance Center Region 10 Community and Environmental Services team. He provides technical, managerial, and financial (TMF) assistance to small, disadvantaged community water and wastewater systems, primarily those serving systems owned and operated by Tribal entities. Quinn conducts Environmental Protection Agency (EPA) regulated sanitary surveys, provides technical assistance to systems to improve regulatory compliance, conducts capacity assessments, and assists seasonal water systems. He also provides private well assessments and GIS mapping. Before joining RCAC, Quinn spent 10 years working as a Registered Environmental Health Specialist (REHS) in Idaho and Oregon. He was responsible for an on-site sewage regulatory program, which included conducting site evaluations, permit issuance, and code enforcement. Prior environmental health work included conducting surveys and monitoring public drinking water systems for compliance with Oregon Administrative Rules, and conducting inspections on licensed facilities such as restaurants, pools, motels, recreation parks, organizational camps, daycares, school kitchens, and Job Corps. Education: Bachelor of Science, Environmental Studies - Northland College, WI

Attendance & Engagement Tracking Methods:

Please see attached separate document named “**Online Training Methodology**”