

Agenda

Public Water Systems Overview

- Definition of a public water system (PWS)
- Types of public water systems
- Brief overview of public water supply sources, treatment and distribution
- Trends and developing issues in meeting public water needs

D. Vacs Renwick
C. Smith
A. James
M. Finn

Current Federal Drinking Water Regulations

- Federal Safe Drinking Water Act (SDWA) overview
- State primacy
- National Primary Drinking Water Regulations (NPDWR)
 - Surface Water Treatment Rules (SWTR)
 - Groundwater Rule (GWR)
 - Revised Total Coliform Rule (RTCR)
 - Disinfection Byproducts (DBP) rules
 - Chemical contaminants rules
 - Lead and copper rules
 - Right-to-know rules
- Upcoming regulations

D. Vacs Renwick
C. Smith
A. James
M. Finn

Sources and Treatment

- Evaluating water source and contents
- Evaluating treatment options
- Permitting, compliance and reporting

B. Bowcock

Transmission, Distribution and Storage

- Design parameters: flow, pressure and water age
- Distribution and storage infrastructure and maintenance
- Mapping, modeling, management and reporting

B. Bowcock

PFAS Litigation

P. Cossich
B. Taylor

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Public Water Systems

Live, Interactive Webinar - Thursday, March 21, 2024

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PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Get an overview of the Federal Safe Drinking Water Act (SDWA.)

Discuss the role of state regulators.

Examine national primary drinking water regulations (NPDWR).

Consider transmission, distribution and water storage systems.

Discuss recent litigation on PFAS contamination of public water supplies.

Identify trends and developing issues in meeting public water needs.



HalfMoon Education Live Webinars

Public Water Systems

Live, Interactive Webinar - Thursday, March 21, 2024



Get an overview of public water supply sources, treatment and distribution systems

Explore federal drinking water regulations and the role of state regulators

Examine rules for disinfection, chemical contaminants, lead and copper

Evaluate water sources and treatment options

Consider water transmission, distribution and storage

Discuss PFAS litigation

Continuing Education Credits

Professional Engineers

6.5 PDHs
(no credit for NY engineers)

Certified Planners

CM|6.5

Attorneys

6.5 CLE Hours in PA, CA, VT
Pending (MS)



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Webinar Information

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Morning Session 9:00 am - 12:15 pm CDT	Afternoon Session 12:45 - 4:30 pm CDT

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Faculty

Deborah Vacs Renwick *Environmental Engineer, Drinking Water Capacity and Compliance Assistance Division, US EPA, Office of Ground Water and Drinking Water*
Ms. Vacs Renwick is an Environmental Engineer in EPA's Office of Water, Office of Ground Water and Drinking Water, Capacity and Compliance Assistance Division, where she has worked on drinking water rule development and implementation, workforce development, and technical assistance projects. Before joining EPA in 2016, she worked as a water quality and regulatory compliance engineer at the Alameda County Water District in Fremont, California, and served as a water and sanitation volunteer in the US Peace Corps in Peru. Ms. Vacs Renwick has an Sc.B. degree in Civil and Environmental Engineering from Brown University and a Master of Engineering in Water Quality and Environmental Engineering from Massachusetts Institute of Technology. She is a registered professional engineer in the District of Columbia.

Christine Smith *Physical Scientist, Drinking Water Capacity and Compliance Assistance Division US EPA, Office of Ground Water and Drinking Water*
Ms. Smith is a Physical Scientist in EPA's Office of Water, Office of Ground Water and Drinking Water, Capacity and Compliance Assistance Division. She has eight years of experience in the Drinking Water and Wastewater sector, where she applies her expertise to support drinking water systems of concern. She holds B.S. and M.S. degrees in Biology from Virginia State University, as well as a doctorate in Public Health from Capella University. She has a passion for mentoring STEM students and volunteering in the community.

Ashley James *Drinking Water Capacity and Compliance Assistance Division, US EPA, Office of Ground Water and Drinking Water*
Ms. James recently joined EPA as a Physical Scientist in the Office of Water, Office of Ground Water and Drinking Water, Capacity and Compliance Assistance Division. Prior to this, she worked as a fellow in the EPA's Office of Children's Health Protection, and as an Environmental Health Coordinator for WE ACT for Environmental Justice. Ms. James holds a B.S. degree in Environmental Studies from the University of Richmond and an MPH degree in Environmental Health from Emory University.

Michael Finn *Engineer, Water Consultant and Founder of Integrated Resource Management, LLC, in Claremont*
Mr. Finn is an Environmental Engineer in EPA's Office of Groundwater and Drinking Water, Capacity and Compliance Division in Washington, D.C. He has 30 years of experience in public water supplies and oversight of public water system, Prior to coming to EPA, he was a field engineer with the California Department of Health Drinking Water Program performing oversight of public water systems in the San Francisco Bay Area. He is a registered professional engineer and a certified water treatment plant operator.

Robert W. Bowcock *Integrated Resource Management, Inc.*
Mr. Bowcock has been appointed to serve on several Watermaster Boards by California Superior Courts since 1990. He is a licensed California Grade V Water Treatment Operator and maintains various other water industry licenses. He routinely provides expert witness work to legal firms in the specific area of water resource management. Mr. Bowcock has decades of experience in designing, running, advising municipal drinking water systems around the country and around the world. He is a water consultant to environmentalist Erin Brockovich, who brought the lawsuit against Pacific Gas and Electric in California and was featured in the 2000 movie Erin Brockovich.

Philip F. Cossich, Jr. *Cossich Sumich Parsiola & Taylor, LLC*
Mr. Cossich, Jr., is the senior partner of Cossich, Sumich, Parsiola & Taylor, L.L.C. He earned a B.A. degree, *magna cum laude*, from Tulane University in 1980 and a J.D. degree, *cum laude*, from Tulane School of Law in 1983. His law practice focuses in the areas of personal injury, admiralty, complex business litigation, class action, multi district litigation and insurance law. Mr. Cossich, Jr. has experience litigating cases arising out of contamination caused by trichloroethylene (TCE) and perfluorinated chemicals (PFCs). He served on the Plaintiffs' Steering Committee for the BP Multidistrict Litigation and as class counsel for all plaintiffs in the economic and property class settlement. Mr. Cossich, Jr., is also one of the top hurricane litigation attorneys in the country. He has recovered for his clients, tens of millions of dollars in damages resulting out of lawsuits from natural disasters and oil contamination.

Brandon J. Taylor *Cossich Sumich Parsiola & Taylor, LLC*
Mr. Taylor is a partner with Cossich, Sumich, Parsiola & Taylor, L.L.C. He has practiced law for 22 years, with a focus on environmental law and maritime law. Mr. Taylor spent several years working on cases related to the BP oil spill. Along with the other members of the firm, he worked to successfully represent hundreds of persons and entities impacted by the oil spill. In addition, he has worked on several other oil spills that impacted hundreds of plaintiffs along the Gulf Coast and he currently represents Glynn County for damages sustained by the County in connection with the capsizing of the Golden Ray. Along with the rest of the firm, Mr. Taylor is currently focusing on representing hundreds of public entities for damages sustained through the use of PFAS based products with a focus on damages caused by the use of AFFF. He earned a B.S. degree in Marketing from Louisiana State University, graduating with honors, and earned a J.D. degree from Loyola University in New Orleans, also graduating with honors and as a member of *Law Review*.

Credit Information

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