

EPA's Office of Research and Development and Office of Water invite you to a **free webinar**



## Small Water System Alternatives: Media and Membrane Filtration for Small Communities and Households

**Tuesday, March 31, 2015  
2:00 to 3:00 pm EST**

### Small water system compliance technologies for the treatment of regulated contaminants

This presentation will review the common and “best available” small water system compliance technologies for the treatment of regulated contaminants including microbial, chemical and radiological contaminants. The presentation will include regulatory operational and monitoring issues, as well as specific small system concerns associated with the treatment technologies. The presentation will also discuss the “top three” regulated contaminant compliance concerns for small water systems.

**Presented by Michael J. Finn, P.E. – EPA's Office of Water.** Michael Finn is an Environmental Engineer with the Office of Ground Water and Drinking Water, Drinking Water Protection Branch. He joined EPA in 2001 to work on the development of the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR), the Stage 2 Disinfectants and Disinfection Byproducts Rule and the Ground Water Rule, and their related guidance documents. He is currently working with States and public water systems on the implementation of those rules, microbial water treatment issues, alternative treatment technologies and water availability and water efficiency in public water systems. Prior to coming to EPA, he was with the California drinking water program as a field engineer in the San Francisco Bay area. He holds a Bachelor of Science in Environmental Resources Engineering from Humboldt State University in Arcata, CA. He is a licensed professional engineer in California and Maryland and a certified water treatment operator.

### Filtration alternatives for small communities and households

This presentation will highlight research case studies on innovative and commercially available drinking water treatment alternatives for small community water systems. Emphasis will be placed on media and membrane filtration technologies capable of meeting the requirements of the LT2ESWTR and the Ground Water Rule. Information will also be provided on household water treatment systems for removal of chemicals and pathogens from well water. The major source of information will be small drinking water research studies, including lessons learned over the past 12 years at the EPA Test and Evaluation Facility in Cincinnati, OH and at field locations in several EPA Regions and States.

**Presented by Craig Patterson, P.E. – EPA's Office of Research and Development.** Craig has over 30 years of experience with federal environmental programs and environmental consulting firms. Over the past 12 years, Craig's research emphasis has been on drinking water treatment technologies for small communities of less than 500 people. His research has focused mainly on emerging and innovative water treatment technologies in support of EPA regulatory requirements. This effort has included collaborative field studies on a wide variety of surface and ground water sources with researchers in EPA Regions, States, local health departments, water utilities, private industry and academia.

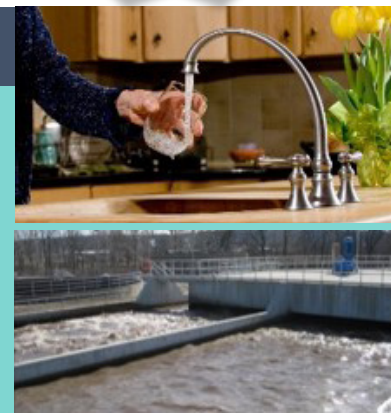
A certificate for one continuing education contact hour will be offered for this webinar

**Webinar Registration:** <https://attendee.gotowebinar.com/register/3755865015222651137>

#### Who should attend?

State primacy agencies, tribes, community planners, technical assistance providers, academia and water systems interested in issues facing community water systems and solutions to help solve them.

In 2015, EPA's Office of Research and Development and Office of Water will host monthly webinars to discuss challenges and treatment solutions for small drinking water and wastewater systems.



## EPA 2015 Monthly Webinar Series: Challenges and Treatment Solutions for Small Drinking Water and Wastewater Systems

All webinars will take place from  
2:00 to 3:00 pm EST

January 27	Arsenic Treatment Technologies (COMPLETE)
February 24	Innovative Biological Treatment for Small Water Systems: Ammonia, Nitrites, and Nitrates (COMPLETE)
March 31	Small Water System Alternatives: Media and Membrane Filtration for Small Communities and Households
April 28	Understanding End Water Quality in Hospitals and Other Large Buildings
May 26	Current Water Treatment and Distribution System Optimization for Cyanotoxins
June 30	Biological and Microbial Aspects of Septic System Pollution
July 28	Corrosion Control for Drinking Water Systems
August 25	Distribution Operation Options for Small Systems to Address DBPs
September 29	UV Disinfections Systems – Treatment of Groundwater for Small/Medium Sized Water Utilities
October 27	Decentralized High-Rate Wastewater Treatment of Peak Wet Weather Flows
November 24	Treatability Databases, Cost Models, and Other Tools for Water Systems
December 15	Reduction of Lead in Drinking Water