



Drinking Water Microbes 101

A certificate of attendance will be offered for this webinar

May 19, 2020 from 2:00 to 3:00 pm ET | Optional Q&A session from 3:00 to 3:30 pm

Drinking Water Microbiology 101

Microbiology is the study of microscopic organisms. Some of the most common classes of microbes include bacteria, viruses, and protozoans. Many microscopic organisms have a long history of importance to human health through our drinking water supply. Some are pathogenic and have caused widespread outbreaks, while others are used to indicate the possible presence of more pathogenic organisms. The understanding of microorganisms has led to the many advancements in water treatment and the birth of the federal drinking water program. This presentation will give the audience a basic understanding of microbiology, specifically targeting microbes that have had an impact on drinking water.

An Overview of the Federal Drinking Water Regulations

This presentation will cover a brief history of waterborne disease and evolution of the federal drinking water regulatory program. Each of the major National Primary Drinking Water Regulations that require microbial monitoring will also be covered. For each regulation, an explanation of the purpose of the rule, what microbes are regulated under the rule, and what monitoring is required will be included.

Presented by **Laura Boczek**



Laura is a research microbiologist with EPA's Office of Research of Development, Center for Environmental Solutions & Emergency Response in Cincinnati, Ohio. Her research areas have focused on efficacy of disinfection of various microorganisms in drinking water, as well as treatment of biosolids and wastewater. More recently, she has been involved in studies dealing with the fate and transport of antibiotic resistant microorganisms in the environment. Laura is the chairperson of EPA's Pathogenic Equivalency Committee, which oversees novel processes that treat sewage sludges for land application.

Presented by **Jennifer Best**

Jennifer is a microbiologist with EPA's Office of Ground Water and Drinking Water, Technical Support Center in Cincinnati Ohio. She supports many microbiological aspects of the federal drinking water program, including technical support, training regional and state personnel on the approved methodologies and proper laboratory practices, the Alternate Test Procedure program, and investigations of applied aspects of drinking water monitoring. Jennifer serves as the Part 9000 Coordinator for Standard Methods for the Examination of Water and Wastewater and has been with the Agency since she began as an intern in 2001.

Registration: attendee.gotowebinar.com/register/8579458851052691469

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.

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epa.gov/water-research/small-systems-monthly-webinar-series



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