EPA

Small Systems Monthly Webinar Series

The U.S. Environmental Protection Agency's Office of Research and Development and Office of Water invite you to a **free webinar**

Tank Management and Distribution System Optimization

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

Tuesday, July 31 2018
2:00 to 3:00 pm ET*

***Optional Q&A session from 3:00 to 3:30 pm ET**

The Properties of Storage Tank Sediment

The physical and elemental composition of storage tank sediment will be discussed. Research was conducted to characterize physical properties and elemental composition of sediment samples from different finished drinking water storage facilities across the United States. Specifically, thirty-one sediment samples were collected from 13 states, 17 distribution systems, and 29 tanks over the course of four years. Density, porosity, particle size distribution, visual appearance and elemental composition were determined. The results of these studies will be presented.

Presented by Darren Lytle, Ph.D., P.E.

Darren is an environmental engineer at EPA's Office of Research and Development, National Risk Management Research Laboratory in Cincinnati, Ohio. Since beginning work at EPA in 1991, his primary goal has been to research the quality of drinking water. Over the years, Darren has investigated and published works on drinking water systems, including work on distribution system corrosion control and water quality (e.g., red water control, lead and copper corrosion control); filtration (emphasis on removal of particles, and microbial contaminants and pathogens from water); biological water treatment; and iron and arsenic removal. Darren holds a B.S. in civil engineering from the University of Akron an M.S. in environmental engineering from the University of Cincinnati, and a Ph.D. in environmental engineering from the University of Illinois.

Understanding the Impact of Mesh on Tank Overflow System Capacity

This presentation will discuss current EPA research results and an associated formula for determining when mesh will begin to impact the discharge capacity of overflow systems. The information presented will help communities ensure that overflow systems are properly sized for a water storage tank.

Presented by Jonathan Burkhardt, Ph.D.

Jon is an environmental engineer with EPA's Office of Research and Development, National Risk Management Research Laboratory in Cincinnati, Ohio. Prior to joining the laboratory, he was an ORISE and Federal Post-doctoral fellow with EPA's National Homeland Security Research Center. Jon has a Ph.D., an M.S., and a B.S. in Chemical Engineering from the University of Cincinnati.

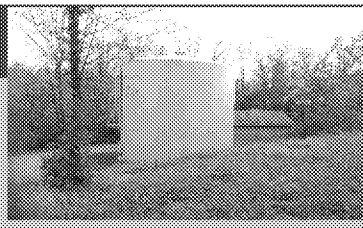
Registration: https://register.gotowebinar.com/register/3882662922249835267

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.

Looking for more webinars?

This webinar is part of EPA's Monthly Small Systems Webinar Series: *Challenges and Treatment Solutions for Small Drinking Water Systems*. A webinar will be held each month in 2018.



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