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Subject: EPA's Small Drinking Water Systems Webinar Series
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Registration is now open for EPA's Webinar on Reduction of Lead in Drinking Water.

A webinar will be given each month to discuss challenges and treatment solutions for small drinking water and wastewater systems. Please spread the word!



EPA's Office of Research and Development (ORD)
and Office of Water invite you to a free webinar



Reduction of Lead in Drinking Water

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

Tuesday, December 15, 2015
2:00 to 3:00 pm EST*

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

Identifying and solving lead issues from water systems with materials/device replacement in drinking water system configurations

Identifying and assessing lead contamination and exposure potential in single-family residences is difficult enough, but doing the same kind of assessment and remediation in buildings, schools, and day care centers is even more challenging. It is of particular importance because of the absence of a threshold lead concentration for adverse health effects, as well as the elevated risk to infants and children. Wide variations of seasonal and diurnal water usage patterns, relatively low total water flow, and complex small-diameter piping networks having multiple lead-containing devices located in series in line and at multiple consumption endpoints, combine to make addressing lead contamination in building systems highly challenging. There is rarely, if ever, a "representative" sampling tap. The presentation reviews the nature of lead and copper occurrence and relationships to water quality and use, and then focuses on sampling strategies to identify and isolate the occurrence of leaded materials in building drinking water system configurations.

Presented by Michael R. Schock – EPA's ORD. Mike is a chemist with ORD's National Risk Management Research Laboratory. He has spent 30 years of his career conducting drinking water research, including both in-house and field research into drinking water treatment with emphasis on metal release mechanisms and predictive modeling, corrosion control, pipe scale/sediment and inorganic water analysis, contaminant accumulation and water quality in domestic plumbing and municipal distribution systems, and development of sampling strategies for metal contamination in building and premise plumbing. He has served on numerous advisory committees and has received more than 20 publication and research awards from EPA, New England Water Works Association, and the American Water Works Association, including the 2011 A.P. Black Research Award for lifetime achievement. Mike has a B.S. in Geology from Wright State and a M.S. in Geology from Michigan State.

Tool for identifying drinking water system and plumbing products that meet the lead free requirement of the Safe Drinking Water Act

In 2014, the definition of lead free in Section 1417 of the Safe Drinking Water Act (SDWA) was changed from not more than 8% lead content to not more than a weighted average of 0.25% lead with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing fixtures. Although there is no mandatory federal requirement for lead free product testing or third-party certification under the SDWA, as of December 2015, consumers can increase their level of confidence by purchasing products that have been certified as meeting the SDWA lead free requirement. Because there is not a single, uniform mark for identifying certification to lead content, it can be difficult to determine if a product is lead free. This presentation will highlight a tool designed to help consumers identify lead free drinking water system and plumbing products that have undergone third-party certification testing.

Presented by Michelle L. Latham – EPA's ORD. Michelle is a biologist with ORD's Safe and Sustainable Water Resources Research Program, where she serves as the communications liaison. Michelle focuses on technical communication of research results and the facilitation of outreach activities on topics such as small drinking water systems, drinking water and wastewater treatment, aging water infrastructure, and source water protection. She also serves as a stakeholder advisory board member on communications and outreach committees for the University of Cincinnati. Michelle has a B.L.A., a B.S. in Biology, and a M.Ed. from Xavier University, an A.A.S. from Shoreline, and C.G.s from the Naval School of Health Sciences.

Webinar Registration: <https://attendee.gotowebinar.com/register/7517168955509960449>

Who should attend?

State primacy agencies, local governments, utilities, tribal communities, technical assistance providers, academia, organizations, and others 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 are hosting monthly webinars to discuss challenges and treatment solutions for small drinking water and wastewater systems.



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