



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



Lead and Copper: Sampling and Water Quality Challenges

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

Tuesday, July 26, 2016
2:00 to 3:00 pm EST*

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

Lead and Copper Tap Sampling Requirements and Procedures

This presentation will provide a review of Lead and Copper Rule (LCR) tap sampling requirements for small systems, including site selection and sample collection. It will also provide clarification on recommended tap sampling procedures relating to aerators, pre-stagnation flushing and bottle configuration. The presentation will also point to instructional resources available to small systems.

Presented by Edward Viveiros – EPA's Office of Ground Water and Drinking Water (OGWDW). Edward is an environmental engineer at EPA's OGWDW, Drinking Water Protection Branch, where he serves as an implementation lead for the LCR. Prior to that, he was an environmental consultant with Eastern Research Group. While there, he provided analytical support to EPA in the areas of wastewater management and chemical policy for seven years. He holds a Master's and a Bachelor's degree in chemical engineering from Northeastern University in Boston, MA.

Flint, Michigan: Water Quality Challenges and Moving Forward

This discussion will include a timeline of the key events in Flint, MI, as related to the elevated levels of lead in the drinking water. The different Flint drinking water sources involved will be presented, along with changes in water quality parameters that were impacted by the different source waters. The crisis led to the establishment of the EPA Flint Technical Advisory Committee, and the task force recommendations will be presented. In addition, sampling efforts that have taken place in Flint to-date will be discussed, as well as planned pipe scale sampling associated with experimental pipe loop test rigs and excavated lead service lines. Other efforts underway include improving distribution system (DS) modeling and a DS flushing program. The results of a filter study will be presented along with current corrosion control optimization efforts.

Presented by Darren Lytle, Ph.D., P.E. – EPA's Office of Research and Development (ORD), National Risk Management Research Laboratory (NRMRL). Dr. Lytle is an environmental engineer for the EPA's ORD/NRMRL Water Supply and Water Resources Division, where he serves as the Acting Branch Chief for the Treatment Technology Evaluation Branch. Since beginning work at EPA in 1991, Dr. Lytle's primary goal has been to research the quality of drinking water. Over the years, he 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.

Registration: <https://attendee.gotowebinar.com/register/985957741336201987>

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 series: *Challenges and Treatment Solutions for Small Drinking Water and Wastewater Systems*. A webinar will be held each month in 2016.



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