

SUPPORTING DOCUMENTATION

Instructor Bios

Amanda Mesick, PE

Amanda is a registered professional engineering in the State of Washington and has 10 years of experience as a civil engineer, specializing in the planning and design of municipal conveyance systems, hydraulic and hydrologic modeling, and utility performance. Recent project work has been focused on project management and municipal pipeline and pump station design.

Milton Larsen, PE

Milt Larsen has over 40 years of experience and has served as a project manager and project engineer on numerous water quality and corrosion control evaluation studies, and water distribution design projects. Milt is a member of the AWWA Corrosion Control Committee, Inorganic Contaminants Research Committee, and AWWA Standards Committee on Scale and Corrosion Control Chemicals. He participated in the preparation of AWWA Manual of Practice M64 Aeration and Gas Stripping 1st Ed. and M58 Internal Corrosion Control in Water Distribution Systems 4th Ed. Milt will be responsible for evaluation of the soil corrosivity data provided by the geotechnical report, and for providing design recommendations for corrosion protection.

Stephen Timko, PhD

Steve has over 7 years of experience in water quality and reuse research. He received his PhD from the University of California, Irvine, where he studied the breakdown of contaminants of emerging concern (CECs) in constructed treatment wetlands. Steve leads Kennedy Jenk's PFAS Working Group, a team of engineers, environmental scientists, and geologists that collaborates to address the technical issues associated with PFAS sampling, treatment, and regulatory compliance across the country. Steve is a water quality specialist in the Applied Research Group at Kennedy Jenks and focuses on the treatment of groundwater contaminants such as PFAS and chemical system design. His project experience additionally spans potable reuse, water and wastewater treatment, and stormwater treatment and conveyance

Bobbie Gilmour, EIT, ENV SP

Bobbie is a civil and environmental engineer with experience in water and wastewater treatment, pumping, and pipeline projects. She has worked on planning, design, and construction projects for municipalities, including support for project task coordination, design and cost analysis, hydraulic calculations, bathymetric modeling, and document control/management.

Timeline

3 hours

Agenda

9:00 am **When the Hypochlorite Stars Don't Align: Choosing Between Bulk or On-site**

Generation for PWB's Washington Park

Presenter: Amanda Mesick

10:00 am **Lakewood Water District Ponders PCE and PFAS Treatment**

Presenter: Milt Larsen, Stephen Timko

11:00 am **Water Rights: A Brief Introduction**

Presenter: Bobbie Gilmour

Course Synopsis:

The Forum includes three hours of presentations on various potable water related topics. The topics were chosen to provide content that is applicable and timely to water operators, designers, and other industry professionals. It begins a project overview that involves the pros and cons of onsite sodium hypochlorite generation versus the delivery of bulk product. The second presentation gives an overview of the design of a PCE and PFAS treatment system for the Lakewood (WA) Water District. The third and final presentation provides attendees with an overview of the basics of water rights.

Tracking Attendance on Webinar:

The Forum will be moderated by Andrew Perez, PE (Kennedy Jenks) who will track participants and collect the necessary information needed for CEUs.