

2024 MRWA FOMS Pre-Conference Wastewater Workshop

Wednesday, October 30, 2024
Lodge of Four Seasons | Lake Ozark

Sewer System O & M for More Efficient Treatment

Instructor: Loyd Rawlings, Technical Training Manager, USABluebook

This workshop will discuss topics such as system design types, lift station operation & maintenance, lift station drawdown, mapping applications, velocity & flow math calculations, toxicity, and pH. These are not just theoretical concepts, but practical tools that you can apply in your daily work. The discussion will focus on how these elements, when working together, can significantly impact treatment.

Time	Session	Hrs
1:00 pm – 2:00 pm	Sewer System Design and its Impact on Treatment Operation	1.0
2:00 pm – 3:00 pm	Understanding Capacity, Management, Operation and Maintenance (CMOM) and I & I	1.0
3:00 pm – 3:30 pm	BREAK	---
3:30 pm – 4:30 pm	Preventive Maintenance to Limit SSO and Overflows	<u>1.0</u>
	Total WW Hrs	<u>3.0 Hrs</u>

About the Presenter:

Loyd brings over two decades of hands-on experience to the training room. His diverse roles as a distribution operator, surface water treatment operator, groundwater treatment operator, wastewater treatment operator, and public works director have equipped him with a wealth of knowledge that he is eager to share.

Loyd worked for the Missouri Department of Natural Resources as a certification trainer and compliance assistance operator. With the Missouri Rural Water Association, he led EPA Water Quality Action Specialist trainings, worked as a USDA Wastewater Technician, served as a Drinking Water Circuit Rider, and taught numerous water and wastewater certification classes.

Loyd holds certifications in Water Treatment (DW-A), Wastewater Treatment (WW-A), and Distribution systems (DS-II) in Missouri and a Utility Management Certification (UMC) from NRWA's Water University.