

Time	Session/Topic	Hrs
1:30 pm – 2:15 pm	Why Lab Analysis? The Reason (NPDES Permit Requirements) Costs and advantages	0.75
2:15 pm – 2:45 pm	The Pros and Cons of Producing Your Own Data	0.50
<b>2:45 pm – 3:00 pm</b>	<b>BREAK</b>	<b>-----</b>
3:00 pm - 3:45 pm	Wastewater Lab: Taking Care of Business Chain of Custody Requirements Time Sensitive Sample Requirements Laboratory Standard Methods	0.75
3:45 pm – 4:45 pm	Laboratory Organization: Safety and Hygiene Sample Protection and Integrity Cleaning of Sampling Instruments and Vessels Safely Working with Wastewater Samples Analysis Standard Solutions	1.0
<b>TOTAL WW HOURS</b>		<b>3.0 Hrs</b>



**Instructor: Steve McDowell, The H<sub>2</sub>O Solution (MoDNR Certification # 372)**

#### Presenter Bio

Steve's experience in the water and wastewater industries goes back four decades. At the beginning of his career, Steve operated Monroe City's surface water treatment plant and extended aeration wastewater plant. Since that time, he has gained a wealth of knowledge through his experiences at varied positions in the fields of water and wastewater:

- Operated a pre-treatment and oil recovery system for Diemakers, Inc
- Served as chief operator of a surface water system that served several different water districts
- Gave onsite technical assistance as an MRWA Circuit Rider
- Former regional sales manager for the Hach Company
- Former sales manager for Hydro-Kinetics Corporation over Western Missouri and Kansas
- Served as local manager of Ralls Co PWSD # 1 with Alliance Water Resources including 2 wastewater systems

Today, Steve is the owner/operator of **The H<sub>2</sub>O Solution, LLC** where he provides laboratory analysis for water and wastewater systems.

This course has been approved for MoDNR Operator Certification Renewal Credit and is GREEN VOUCHER ELIGIBLE