

ARWA TRAINING AGENDA

Lab Procedures: Turbidity, pH, Chlorine, Sampling/Chain of Custody, & Langlier Index
Russellville, AL - Oct 27, 2021

Time: 8:00 AM - 4:00 PM

Location: City of Russellville Board
of Education

1945 Waterloo Rd
Russellville, AL 35653



Agenda Items

From	Until	Description - Provider
08:00 AM	08:30 AM	Welcome and Introductions ARWA
08:30 AM	09:30 AM	Turbidity- What is EPA method 180.1 and how does it affect my online/lab turbidity instruments Julie Dawson/Eric Dribble – HF Scientific
09:30 AM	10:30 AM	Measuring Lab & Online Chlorine: Pros/Cons of different methods & selecting the right application for your plant Julie Dawson/Eric Dribble – HF Scientific
10:30 AM	11:30 AM	pH and why accuracy is important & Electrochemical Measurement of pH Danny Hutcherson - C. C. Lynch & Associates, Inc.
11:30 AM	12:30 PM	Lunch (on your own)
12:30 PM	01:30 PM	Langlier Index calculation Danny Hutcherson - C. C. Lynch & Associates, Inc.
01:30 PM	02:30 PM	Chain of Custody: proper sample collection and documentation to protect your samples and data Lennette West - Revere Control Systems
02:30 PM	03:30 PM	Data Acquisition: Data needs, use, and security Lennette West - Revere Control Systems
03:30 PM	04:00 PM	Class Wrap-Up and Evaluations ARWA

This Training Session will provide 7 Water CEH's Subject to ADEM Approval. Training is provided as a joint effort of the Alabama Rural Water Association and US EPA.

Additional Information:

This class will assist water operators and staff with water chemistry, sampling, and analyses. Presentations will include discussions on turbidity, chlorine, pH as well as the importance of proper sampling technique and chain of custody procedures. Once accurate data is created it can then be used for internal and regulatory purposes and Langlier Index calculations. **Bring your data: pH, temp, T. Alk., Hardness (Ca or Total), & TDS or conductivity for Langlier Index calculation.** Planned as an onsite/hybrid class this class may be canceled, postponed/rescheduled or changed to an online webinar format.

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