



## Training Agenda

**Course:** Intermediate Water Treatment- 24 Hours  
**Location:** ARWA Training Center- 240 Dee Dee Lane, Lonoke, AR. 72086  
**Date:** July 16-18, 2024  
**Time:** 8:00 am- 5:00 pm (1 hour lunch)  
**Instructor:** Jim Philipp

This is a required course for anyone taking the T-2 or higher Arkansas Treatment Examination. A deeper understanding of both well and conventional treatment processes.

### Day 1

7:30 am - 8:00 am	Registration
8:00 am - 10:00 am	Math Formula Sheet Review & Practice Problems
10:15 am- 12:00 pm	Source Waters (Ground, GWUDI, Surface)
12:00 pm- 1:00 pm	Lunch on your own
1:00 pm- 3:00 pm	Ground Water Treatment Techniques (Iron & Manganese Removal)
3:15 pm- 5:00 pm	Surface Water Treatment Techniques (Turbidity, NOM, SWTR)

### Day 2

7:30 am - 8:00 am	Registration
8:00 am - 10:00 am	Coagulation, Flocculation & Sedimentation Processes
10:15 am – 12:00 pm	Filtration & Disinfection Methods (Chlorine, UV, Ozone, Chlorine Dioxide)
12:00 pm – 1:00 pm	Lunch on your own
1:00 pm – 3:00 pm	Softening, Ion Exchange, UF, NF, RO for Specific Removal
3:15 pm – 5:00 pm	Administrative Procedures- Technical, Financial & Managerial Responsibilities

### Day 3

7:30 am – 8:00 am	Registration
8:00 am – 10:00 am	Federal Rules Overview
10:15 am – 12:00 pm	Class Handouts
12:00 pm – 1:00 pm	Lunch on your own
1:00 pm – 3:00 pm	Cyber Security for Water Utilities
3:15 pm – 4:30 pm	Preparing and Responding to Natural, Man-Made or Weather Related Disasters
4:30 pm - 5:00 pm	Group Discussion/Certificates

Call ARWA at 501-676-2255 to register or visit [www.arkansasruralwater.org](http://www.arkansasruralwater.org).

**Pre-Registration is required.**

**Make plans now to attend the Annual Technical Conference**

**September 15-18, 2024.**