

## **Session 1 – Tuesday, Oct 5**

### **Water Distribution Operator**

- Need for water distribution operators
- What is a water supply?
- What does a water distribution operator do?

## **Session 2 – Tuesday, Oct 12**

### **Storage Facilities**

- What is a water supply?
- What does a water distribution operator do?
- Selection & location of storage facilities
- Operation and maintenance of storage facilities
- Area and Volume Math

## **Session 3 – Tuesday, Oct 19**

### **Water Transmission Systems**

- Purpose of distribution systems; Storage & booster pumping
- Distribution storage
- Pressure Math

## **Session 4 – Tuesday, Oct 26**

### **Water Mains & Appurtenances**

- Pipe features, types, & joints
- Valves
- Flow and Velocity Math

## **Session 5 – Tuesday, Nov 2**

### **Working in Traffic**

- Safely posting warning signs
- Equipment for traffic work
- Procedures in diverting traffic.

## **Session 6 – Tuesday, Nov 9**

### **Pipe Installation**

- Locating nearby utility lines
- Excavation & shoring
- Pipe laying & jointing

## **Session 7 – Tuesday, Nov 16**

### **Water Quality in Distribution Systems**

- Importance of water quality
- Types & sources of contamination
- Drinking Water Regulations
- Intro to Dosage Math

## **Session 8 – Tuesday, Nov 23**

### **Valves & Meters**

- Types & functions of valves
- Types of meters
- Hands-on meter & valve examination

## **Session 9 – Tuesday, Nov 30**

### **Disinfection Part 1**

- Purpose and process of disinfection
- Factors influencing disinfection
- Drinking Water regulations (reviewed)
- Dosage Math Review

## **Session 10 –Tuesday, Dec 7**

### **Disinfection Part 2**

- Breakpoint chlorination
- Points of application
- Measurement of chlorine residual
- Chlorine safety

## **Session 11–Tuesday, Dec 14**

### **Distribution System Administration**

- Chlorine safety
- Staffing
- Public Relations
- Emergency responses
- Record keeping

## **Session 12 – Wednesday, Dec 15**

### **Safety**

- Importance of safety
- Safety program
- Personal safety
- Safety around wells.
- Safety working in trenches