

**Capacity Development and Operator Certification  
Prescott Conference Center  
1500 E State Route 69  
Prescott, AZ 86301  
May 16, 2017**

**Operator Track-Room A  
Treatment Day 1**

7:30-8:00 am	Check In ( <i>Pre-registration is required</i> )
8:00-8:50 am	Chemical addition Pretreatment, disinfection, pH adjustment, sodium hypochlorite disinfection
9:00-9:50 am	Coagulation and flocculation
10:00-10:50 am	Clarification and sedimentation
11:00-11:50 am	Clarification and sedimentation (continued)
12:00-12:50 pm	Lunch ( <i>On your own</i> )
1:00-1:50 pm	Filtration, membranes and microscreens
2:00-2:50 pm	Residuals disposal
3:00-3:50 pm	Additional treatment tasks/math, Backwash aids, coagulation aids, softening
4:00-4:50 pm	Practice math and review

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If you have questions about this workshop, please contact Noah Adams, Operator Certification, at [nra@azdeq.gov](mailto:nra@azdeq.gov) or (602)771-4511.

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**Room B**

7:30-8:00 am	Check In ( <i>Pre-registration is required</i> )
8:00-8:50 am	Attendees/Presenter introductions and logistics. SDWA and Disinfection rules.
9:00-9:50 am	Coliform sample collection and disinfection requirements.
10:00-10:50 am	DBP's treatment strategies.
11:00-11:50 am	Disinfection by-products.
12:00-12:50 pm	Lunch ( <i>On your own</i> )
1:00-1:50 pm	Distribution overview
2:00-2:50 pm	Distribution water quality
3:00-3:50 pm	Main breaks and cross connections.
4:00-4:50 pm	Regulatory overview.

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**MANAGEMENT TRACK-Room C  
(Building Tomorrow's Water System)**

7:30-8:00 am	Check In ( <i>Pre-registration is required</i> )
8:00-8:50 am	Source Water Protection
9:00-9:50 am	Emerging Treatment Technologies
10:00-10:50 am	Distribution System Integrity
11:00-11:50 am	Energy Management and Sustainable Practices
12:00-12:50 pm	Lunch ( <i>On your own</i> )
1:00-1:50 pm	Employee Training
2:00-2:50 pm	Leadership and Change Management
3:00-3:50 pm	Relationships with Regulatory Agencies
4:00-4:50 pm	Funding Sources – emergency & non-emergency

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**Rule Track-Room D**

7:30-8:00 am	Check In ( <i>Pre-registration is required</i> )
8:00-8:50 am	Revised Total Coliform Rule
9:00-9:50 am	Revised Total Coliform Rule (Continued)
10:00-10:50 am	What to Expect When Being Inspected
11:00-11:50 am	Drinking Water 101
12:00-12:50 pm	Lunch ( <i>On your own</i> ); Bring your Lunch for Q & A session with Your County Assistance Coordinator
1:00-1:50 pm	Common Drinking Water Reporting Mistakes
2:00-2:50 pm	Working with the Monitoring Assistance Program (MAP)
3:00-3:50 pm	Lead and Copper Rule
4:00-4:50 pm	Lead and Copper Rule (Continued)

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**Operator Track-Room A  
Treatment Day 2**

7:30-8:00 am	Check In ( <i>Pre-registration is required</i> )
8:00-8:50 am	Laboratory analysis and tests
9:00-9:50 am	Drinking water regulations
10:00-10:50 am	Drinking water regulations (continued)
11:00-11:50 am	Evaluation of equipment
12:00-12:50 pm	Lunch ( <i>On your own</i> )
1:00-1:50 pm	Operation of equipment
2:00-2:50 pm	Maintenance on equipment
3:00-3:50 pm	Administration
4:00-4:50 pm	Safety and review

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**OPERATOR TRACK-Room B  
OPERATOR MATH  
(Basic and Intermediate Levels)**

7:30-8:00 am	Check In ( <i>Pre-registration is required</i> )
8:00-8:50 am	Units of Measurement
9:00-9:50 am	Conversion of Measurement Units
10:00-10:50 am	Averages; Ratio and Proportion
11:00-11:50 am	Area and Volume
12:00-12:50 pm	Lunch ( <i>On your own</i> )
1:00-1:50 pm	Chemical Dosing
2:00-2:50 pm	Velocity, Flow Rates and Detention Time
3:00-3:50 pm	Pressure and Force
4:00-4:50 pm	Pump and Motor

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**Management Track-Room C  
(Sustainable Management of Small Water Systems)**

7:30-8:00 am	Check In ( <i>Pre-registration is required</i> )
8:00-8:50 am	Introductions & Workshop Objectives
9:00-11:50 am	Session 1: Overview of Key Management Areas  Session 2: PWS “Self-Assessment” Exercise
Break	Session 3: Self-Assessment Results – group discussion
12:00-12:50 pm	Lunch (On your own)
1:00- 4:50 pm	Session 4: Improving Outcomes – table exercise  Session 5a: Practices, Tools & Measures – group discussion
Break	Session 5b: Practices Results – group discussion  Session 6: Feedback Session – Evaluations

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**PRACTICE EXAMS**

8:00 am – 4:50 pm      Practice Exams Offered All Day. All Classifications and All Grades

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