

**Capacity Development and Operator Certification
 Westin La Paloma Conference Center
 3800 E Sunrise Dr. Tucson, AZ 85718**

March 28, 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 or (602)771-4511.

Each Session is 50 minutes long								
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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
(Basics Tools for Small Water Systems)

7:30-8:00 am	Check In (<i>Pre-registration is required</i>)
8:00-8:50 am	What is Capacity Development?
9:00-9:50 am	Financial Management for Small Water Systems
10:00-10:50 am	Financial Management (continued)
11:00-11:50 am	Budgets/Finance Case study
12:00-12:50 pm	Lunch (On your own)
1:00-1:50 pm	Fundamentals of Water Rates
2:00-2:50 pm	Water Rates (continued)
3:00-3:50 pm	Asset Management
4:00-4:50 pm	Asset Management Case Study

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Rule Track-Room D

- 7:30-8:00 am Check In (*Pre-registration is required*)
- 8:00-8:50 am Operator Certification Program Update
- 9:00-9:50 am Lead and Copper Rule (Part 1) - Overview
- 10:00-10:50 am Lead and Copper Rule (Part 2) – What to do BEFORE an ALE
- 11:00-11:50 am Lead and Copper Rule (Part 3) – What to do AFTER an ALE
- 12:00-12:50 pm Lunch (*On your own*)
- 1:00-1:10 pm Lead and Copper Rule Recap and Q&A
- 1:10-1:50 pm Arizona Safe Drinking Water Information System (AZSDWIS) Demo
- 2:00-2:10 pm What’s New in AZSDWIS - Compliance Schedules and Public Notice (PN)
- 2:10-2:50 pm Working with the Monitoring Assistance Program (MAP)
- 3:00-3:50 pm Consumer Confidence Reports (Part 1)

4:00-4:50 pm Consumer Confidence Reports (Part 2)
 Registration required. Visit <http://www.register6.net/ADEQ/> for registration. This Room is available via Go To Meeting. Click this link to join <https://global.gotomeeting.com/join/228323061>
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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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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	Security Readiness and Emergency Preparedness
2:00-2:50 pm	Employee Training Methods
3:00-3:50 pm	Relationships with Regulatory Agencies
4:00-4:50 pm	Funding Sources – emergency & non-emergency

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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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