

Capacity Development and Operator Certification
Little America 2515 E Butler Ave, Flagstaff, AZ 86004
Oct. 17, 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	Code of Ethics; Required Knowledge; Operator Certification; Professional Development Hours (PDH's); Federal and State Regulatory Overview
9:00-9:50 am	Water Sources and Treatment Options
10:00-10:50 am	Basic Microbiology and Water Chemistry; Water Sampling Procedures and Laboratory Analysis
11:00-11:50 am	Operator Math Review
12:00-12:50 pm	Lunch (<i>On your own</i>)
1:00-1:50 pm	Hydrogeology; Groundwater Basins; AZ Water Atlas; Subsidence; Over pumping of Aquifers
2:00-2:50 pm	Geochemistry
3:00-3:50 pm	Water Wells and Well Construction
4:00-4:50 pm	Groundwater and Wellhead Treatment

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If you have questions about this workshop, please contact Mel Rose, Operator Certification, at mr7@azdeq.gov or (602)771-4695.

Each Session is 50 minutes long								
Circle the number of PDHs you earned:								
Sessions	8	7	6	5	4	3	2	1
PDHs	7	6	5	4	3	2.5	2	1
Name:					Address:			
Operator Certification #					System:			

This training is Pre-Paid for You!

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Rule Track-Room B

7:30-8:00 am	Check In (<i>Pre-registration is required</i>)
8:00-8:50 am	Drinking Water 101
9:00-9:50 am	Radionuclide Rule / Common Reporting Mistakes
10:00-10:50 am	Drinking Water Sampling Presentation
11:00-11:50 am	Wastewater – APP Monitoring & Reporting – NEW!
12:00-12:50 pm	Lunch (<i>On your own</i>)
1:00-1:50 pm	Wastewater – WWTP Inspections and APPs – NEW!
2:00-2:50 pm	Stage 2 Disinfection By-products
3:00-3:50 pm	Revised Total Coliform Rule & Groundwater Rule
4:00-4:50 pm	Microbiological Site Sampling Plan / Boil Water Advisories

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**Management Track-Room C
(Emergency Management)**

7:30-8:00 am	Check In (<i>Pre-registration is required</i>)
8:00-8:50 am	Emergency planning for water utilities
9:00-9:50 am	Hazard Analysis & Risk Mitigation
10:00-10:50 am	Emergency Response Plans
11:00-11:50 am	Emergency Response for a water contamination event
12:00-12:50 pm	Lunch (On your own)
1:00-1:50 pm	Table top exercise
2:00-2:50 pm	Table top exercise
3:00-3:50 pm	Table top exercise
4:00-4:50 pm	Table top exercise

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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	Pumps and Motors
9:00-9:50 am	Electricity; Instrumentation; SCADA; Energy Management Programs
10:00-10:50 am	Surface Water and Surface Water Impoundments
11:00-11:50 am	Surface Water Treatment
12:00-12:50 pm	Lunch (<i>On your own</i>)
1:00-1:50 pm	Water Storage Tanks and Reservoirs
2:00-2:50 pm	Chemical Handling Systems
3:00-3:50 pm	Plant and Lab Safety
4:00-4:50 pm	Plant Administration

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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
(Capacity Development)

7:30-8:00 am	Check In (<i>Pre-registration is required</i>)
8:00-8:50 am	Water loss and leak detection
9:00-9:50 am	Energy management
10:00-10:50 am	Emerging technologies for small systems
11:00-11:50 am	Emerging technologies for small systems (cont.)
12:00-12:50 pm	Lunch (<i>On your own</i>)
1:00-1:50 pm	Metering
2:00-2:50 pm	Remote sensing
3:00-3:50 pm	Supervisory Control and Data Acquisition Systems (SCADA)
4:00-4:50 pm	Geographic Information System (GIS)

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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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**WEDNESDAY, OCTOBER 18,
2017**

**MEET YOUR COMPLIANCE
ASSISSTANCE COORDINATOR**

**Carling Olson, Coconino & Navajo County Drinking
Water Compliance Assistance Coordinator**

This is your chance to meet Carling Olson of ADEQ's Drinking Water Unit. Bring your questions on maintaining compliance with EPA's Drinking Water Rules. She may also have time to assist with sampling plan questions.



Meet Coconino &
Navajo County's
Compliance
Assistance
Coordinator in
Person!

Get Assistance
Completing Plans

Helpful ADEQ
Factsheets
available

Ask Questions about
Drinking Water
Rules

One Day Only

LITTLE AMERICA
2515 East Butler Avenue
Flagstaff, AZ 86004

Conference Center

October 18, 2017
8am – 4pm