

## Calendar of Events

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May 21, 2024

### **Instrumentation for Operators - Shelley**

**Shelley Fire Department**

**585 W Fir St**

**Shelley, ID 83274**

08:30 AM - 04:30 PM MST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Instrumentation for Operators - Shelley*

*This hands-on class will cover the following: Introduction to instrumentation including temperature, level, pressure, flow, and analytical. You will learn how to understand instrumentation diagrams and prints as well learn how to connect a transmitter, tune a Proportional-Integral-Derivative (PID) controller or PID loop, and use a meter to test and troubleshoot an instrument loop. This is the same teacher who taught the popular hands-on Motor Controls and Variable Frequency Drive Systems class last year. This class was originally scheduled for Ammon, but has now been changed to Shelley.*

*Instructor: Mike McAfee, Idaho Controls and Automation*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water/Wastewater*

*Cost: \$120 IRWA Members/ \$210 Non-Members*

*Lunch is on your own.*

May 22, 2024

### **Webinar Wednesday! Idaho Legislative Update 2024 - Online**

**Online using Zoom - You will be sent the Zoom Meeting invitation in the confirmation email.**

12:00 PM - 1:00 PM Mountain Time or 11:00 AM - 12:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Webinar Wednesday! Idaho Legislative Update 2024 - Online*

*This webinar will provide summaries of new and pending laws from the 2024 Idaho Legislative Session and discuss how such laws may affect water system operators.*

*Attendees will also learn and/or receive a refresher on the Idaho legislative process and how to track pending water legislation on the Idaho Legislature's website.*

*Instructor: Caitlin Skulan, Schroeder Law Offices*

*CEUs: 0.1 Drinking Water/Wastewater*

*Cost: Free to IRWA Members / \$40 Non-Members*

*Location: Online using Zoom*

June 5, 2024

**Webinar Wednesday! Understanding Online Water Quality Analyzers - Online**  
**Online using Zoom**

12:00 PM - 01:00 PM MST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Webinar Wednesday! Understanding Online Water Quality Analyzers - Online*  
*Selecting water quality analyzers can be a challenging process involving key decision makers, manufacturers, resellers, agencies, integrators, and consultants. Understanding the what, why, and where of the parameter you are measuring, can narrow down the selection of technologies. However, understanding operating expenses, risks associated with certain technologies, and sensor life expectancy can turn a simple request into a costly endeavor. In this presentation, we will identify key monitoring areas with the highest likely return on investment (ROI), compliance and/or environmental impacts. Within these applications, we will categorize the online water analyzers that are appropriate, their operating principles, pros and cons of each, and best installation practices. The goal of this presentation is to educate end users, integrators, decision makers, and consultants on the ever-growing market of water quality analyzers and provide some key questions to ask during the selection process.*

*Instructor: Brittany Baker, ABB Inc.*

*Continuing Education Unit (CEU) Available: 0.1 DW/WW*

*Cost: Free to IRWA Members / \$40 Non-Members*

June 11, 2024

**Instrumentation for Operators - Coeur d'Alene**

**Coeur d'Alene Water Department**

**3145 N Howard St**

**Coeur d'Alene, ID 83815**

08:30 AM - 04:30 PM PST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Instrumentation for Operators - Coeur d'Alene*

*This hands-on class will cover the following: Introduction to instrumentation including temperature, level, pressure, flow, and analytical. You will learn how to understand instrumentation diagrams and prints as well learn how to connect a transmitter, tune a Proportional-Integral-Derivative (PID) controller or PID loop, and use a meter to test and troubleshoot an instrument loop. This is the same teacher who taught the popular hands-on Motor Controls and Variable Frequency Drive Systems class last year.*

*Instructor: Mike McAfee, Idaho Controls and Automation*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water/Wastewater*

*Cost: \$120 IRWA Members/ \$210 Non-Members*

*Lunch is on your own.*

June 12, 2024

**Instrumentation for Operators - Lewiston**

**Lewiston Police Training Center**

**2419 16th Ave**

**Lewiston, ID 83501**

08:30 AM - 04:30 PM PST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Instrumentation for Operators - Lewiston*

*This hands-on class will cover the following: Introduction to instrumentation including temperature, level, pressure, flow, and analytical. You will learn how to understand instrumentation diagrams and prints as well learn how to connect a transmitter, tune a Proportional-Integral-Derivative (PID) controller or PID loop, and use a meter to test and troubleshoot an instrument loop. This is the same teacher who taught the popular hands-on Motor Controls and Variable Frequency Drive Systems class last year.*

*Instructor: Mike McAfee, Idaho Controls and Automation*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water/Wastewater*

*Cost: \$120 IRWA Members/ \$210 Non-Members*

*Lunch is on your own.*

June 13, 2024

**Backflow Assembly Tester Re-Certification Course - Boise**

**Idaho Rural Water Association Technical Training Center**

**6395 W Gowen Rd**

**Boise, ID 83709**

08:00 AM - 05:00 PM MST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Backflow Assembly Tester Re-Certification Course - Boise*

*Register today for Backflow Assembly Tester (BAT) Recertification Training. This will be hands-on training! Students will have the opportunity to practice on all four assembly types, troubleshoot scenarios, and ask the instructor about common challenges encountered in the field. If you pass the tests, you will earn the needed 0.8 CEUs to keep your BAT license current. The class will be held at Idaho Rural Water Association's Technical Training Center in Boise.*

*Instructor: Stacy Stuart, Stuart's Backflow*

*Continuing Education Units (CEUs) Available: 0.8 BAT*

*Cost: \$200*

*Lunch is on your own.*

## **Very Small Water Treatment and Disinfection - Online**

### **Online using Zoom**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

### *Very Small Water Treatment and Disinfection - Online*

*This 6-hour class is part of the IRWA apprenticeship program with an open invitation for others operating a Very Small Drinking Water System or needing continuing education units (CEUs) to attend. This course will be taught online using Zoom. The course covers the following:*

- *Drinking water treatment systems and operation including, slow sand filtration, multi-media filtration, membrane filtrations and other systems.*
- *Disinfection of drinking water primarily using chlorine with a brief introduction to other alternatives like ultraviolet light, ozone, etc.*

*NOTE: A very small operation specialist will be completing all the Idaho educational requirements for licensing by taking both the Very Small Drinking Water Treatment and Disinfection class and the Very Small Drinking Water Distribution class. (Does not include the work experience requirements as per IDAPA rules).*

*Instructor: Eric Seyb, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Earned: 0.6 Drinking Water and Treatment*

*Cost: \$120 IRWA Members/ \$210 Non-Members*

*Time: 8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time*

*Location: Online using Zoom*

*Manual: The California Rural Water Association sells the "Introduction to Small Water Systems - Student Manual" for \$60. This manual is not required, but would be a great resource as you take the class and work on your system. Please note if you click on the image of the book, it is taking you to the Wastewater manual. The ACR website is being difficult, so just click on the "BOOKS" menu item and then scroll down and find this manual. Sorry for the inconvenience.*

June 26, 2024

### **Very Small Water Distribution - Online**

#### **Online using Zoom**

08:30 AM - 04:30 PM MST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

#### *Very Small Water Distribution - Online*

*Course Description: This 6-hour online class is part of the Idaho Rural Water Association Apprenticeship Program with an open invitation for others operating a Very Small Drinking Water System or needing continuing education units to attend. This course covers drinking water distribution systems and operation and maintenance of pipes, valves, storage tanks, meters, pressure reduction valves, air relief valves and more.*

*NOTE: A very small operation specialist will be completing all the Idaho educational requirements for licensure by taking both the Very Small Drinking Water Treatment and Disinfection class and the Very Small Drinking Water Distribution class. (Does not include the work experience requirements as per IDAPA rules).*

*Instructor: Eric Seyb, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water and Distribution*

*Cost: \$120 IRWA Members/ \$210 Non-Members*

*Time: 8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time*

*Location: Online using Zoom*

*Manual: The California Rural Water Association sells the "Introduction to Small Water Systems - Student Manual" for \$60. This manual is not required, but would be a great resource as you take the class and work on your system.*

June 27, 2024

### **Operator Safety in the Workplace - Shelley**

#### **Shelley Fire Department**

**585 W Fir St**

**Shelley, ID 83274**

08:30 AM - 04:30 PM MST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

#### *Operator Safety in the Workplace - Shelley*

*Every utility can benefit from an enhanced safety program. Operators face new scenarios each day, including mechanical and excavation dangers, confined space hazards, toxic gas, and more. Learn how to identify these dangers and react appropriately. Learn how to minimize risks for yourself and for your coworkers. Equip yourself with the knowledge needed to bolster your utility's safety program and convince your supervisors that safety equipment is a must.*

*Instructor: Craig Sturman, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Water/Wastewater*

*Cost: \$120 IRWA Members / \$210 Non-Members*

*Lunch is on your own.*

July 16, 2024  
- July 18, 2024

**Wastewater Treatment III/IV Certification Review - Boise/Online**  
**Idaho Rural Water Association Technical Training Center or Online Using Zoom**  
**6395 W Gowen Rd**  
**Boise, ID 83709**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Wastewater Treatment III/IV Certification Review - Boise/Online*

*This three-day workshop is designed to prepare operators for the current Association of Board Certification (ABC) test for Level III and Level IV Wastewater Treatment Plant Operator certification examinations. You will be reviewing the following subjects: Secondary Treatment, Solids Characteristics, Secondary Sludge, Headworks, Nitrification, Liquid Treatment, Biological Treatment, Nutrient Removal, Activated Sludge, Wastewater Treatment Ponds, and review test preparation skills.*

*Instructors: Casey Fisher, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 1.8 Wastewater and Treatment*

*Cost: \$360 IRWA Members / \$630 Non-Members*

*Time: 8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time*

July 23, 2024

**Water Distribution, Appurtenances, & Maintenance - Preston**  
**Franklin County Fire District**  
**55 W 1st St**  
**Preston, ID 83263**

08:30 AM - 04:30 PM MST

Tondee Clark, 208-343-7001

tclark@idahoruralwater.com

*Water Distribution, Appurtenances, & Maintenance - Preston*

*This is a great class for review or entry level operators. This class covers the basics of water distribution system operation and maintenance. We will discuss hydrants, valves and including selection, installation, operation, and maintenance. We will also discuss valve mapping and recording. This course will also look at distribution system maintenance, corrosion control, flushing, and mapping systems including GIS technology.*

*Instructor: John Schwartz, USABlueBook*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members/ \$210 Non-Members*

*Lunch is on your own.*

July 24, 2024

**Water Distribution, Appurtenances, & Maintenance - Paul**

**Paul City Hall**

**152 S 600 W**

**Paul, ID 83347**

08:30 AM - 04:30 PM MST

Tondee Clark, 208-343-7001

tclark@idahoruralwater.com

*Water Distribution, Appurtenances, & Maintenance - Paul*

*This is a great class for review or entry level operators. This class covers the basics of water distribution system operation and maintenance. We will discuss hydrants, valves and including selection, installation, operation, and maintenance. We will also discuss valve mapping and recording. This course will also look at distribution system maintenance, corrosion control, flushing, and mapping systems including GIS technology.*

*Instructor: John Schwartz, USABlueBook*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members/ \$210 Non-Members*

*Lunch is on your own.*

July 26, 2024

**Water Distribution, Appurtenances, & Maintenance - Caldwell**

**Caldwell Housing Authority**

**22370 Farmway Rd**

**Caldwell, ID 83607**

08:30 AM - 04:30 PM MST

Tondee Clark, 208-343-7001

tclark@idahoruralwater.com

*Water Distribution, Appurtenances, & Maintenance - Caldwell*

*This is a great class for review or entry level operators. This class covers the basics of water distribution system operation and maintenance. We will discuss hydrants, valves and including selection, installation, operation, and maintenance. We will also discuss valve mapping and recording. This course will also look at distribution system maintenance, corrosion control, flushing, and mapping systems including GIS technology.*

*Instructor: John Schwartz, USABlueBook*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members/ \$210 Non-Members*

*Lunch is on your own.*

July 31, 2024

**Webinar Wednesday! Devices, Data and Downpours - A New Way to Identify Inflow and Infiltration**

**Online using Zoom**

12:00 PM - 1:00 PM Mountain Time or 11:00 AM - 12:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Webinar Wednesday! Devices, Data and Downpours - A New Way to Identify Inflow and Infiltration - Online*

*This 1-hour presentation, "Devices, Data and Downpours – A New Way to Identify Inflow and Infiltration" will review the historical methods and new technology that are changing the way to find and manage wastewater collection systems leaks.*

*Instructor: Eric Petersen, RH Borden*

*Continuing Education Units (CEUs) Available: 0.1 Wastewater*

*Cost: Free to IRWA Members/\$40 to Non-Members*

*Location: Online using Zoom*

August 1, 2024

**Certification Math Review - Coeur d'Alene/Online**

**City of Coeur d'Alene Water Department**

**3145 N Howard St**

**Coeur d'Alene, ID 83815**

8:00 AM - 3:30 PM Pacific Time or 9:00 AM - 4:30 PM Mountain Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Certification Math Review - Coeur d'Alene/Online*

*Do you need a little extra help with math? Do you have an exam coming up? Join Adrianna Cardoso from IRWA for math basics and applied problems.*

*Course Outline:*

*Review of materials and supplies needed for exam*

*How to use the provided formula sheets during your test*

*Math basics – units of measurement, fractions, decimals, percent*

*Common measurements in the wastewater and drinking water industry – volume, area, concentration, flow, pressure*

*Basic dimensional analysis problems – problem solving, strategies, resources and tools*

*Instructor: Adrianna Cardoso, Idaho Rural Water Association*

*CEUs Available: 0.6 Drinking Water/Wastewater*

*Cost: \$120 IRWA Members /\$210 Non-Members*

*Lunch is on your own.*

August 14, 2024

## **Very Small Wastewater Collection - Online**

**Online using Zoom**

**6395 W Gowen Rd**

**Boise, ID 83709**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Very Small Wastewater Collection - Online*

*This 6-hour training is part of the Idaho Rural Water Association Apprenticeship Program with an open invitation for others operating a Very Small Wastewater System or needing CEUs to attend. This course covers the following:*

- *Wastewater collection systems and operation, cleaning and maintenance of pipes, manholes, hazards of Hydrogen Sulfide (H<sub>2</sub>S) and more.*
- *Pumps and motors used as lift stations, in cleaning equipment, and how to safely operate and maintain.*

*NOTE: A very small operation specialist will be completing all the Idaho educational requirements for licensing by taking both the Very Small Wastewater Treatment class and the Very Small Wastewater Collection class. (This training does not include the work experience requirements as per IDAPA rules).*

*Textbook Available from California Rural Water Publications for \$66: Click on the book to go to the purchase page.*

*Instructor: Casey Fisher, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Wastewater and Collections*

*Location: Online using Zoom*

*Cost: \$120 for IRWA Members / \$210 for Non-Members*

*Lunch is on your own.*

August 15, 2024

## **Very Small Wastewater Treatment - Online**

### **Online using Zoom**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

### **Very Small Wastewater Treatment - Online**

*This 6-hour class is part of the Idaho Rural Water Apprenticeship Program with an open invitation for others operating a Very Small Wastewater System or needing continuing education units. This course covers the following:*

- *Wastewater treatment systems including lagoons, land application with soil absorption*
- *Operation and maintenance and standard operating procedures*
- *Overview of wastewater plants.*

*NOTE: A very small operation specialist will be completing all the Idaho educational requirements for licensure by taking both the Very Small Wastewater Treatment class and the Very Small Wastewater Collection class. (This training does not include the work experience requirements as per IDAPA rules).*

*Textbook Available from California Rural Water Publications for \$66: Click on the book to go to the purchase page.*

*Instructor: Casey Fisher, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Wastewater and Collections*

*Location: Online using Zoom*

*Cost: \$120 for IRWA Members / \$210 for Non-Members*

*Lunch is on your own.*

August 20, 2024

## **Water Distribution I/II Certification Review - Ammon & Online**

**Ammon Public Works**

**3541 Ard Dr, Ammon, ID 83406**

**Ammon, ID 83406**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

*Water Distribution I/II Certification Review - Ammon & Online*

*This is a review course for operators preparing to take a Level I or II Drinking Water Distribution exam. This class is based on the ABC material that the Idaho Division of Occupational and Professional Licenses uses to create its licensing exams. You will receive handouts showing specific topics to study and need-to-know criteria for each.*

*Topics include:*

- *Drinking water distribution system components*
- *Equipment installation, operation, and maintenance*
- *Disinfection, monitoring, evaluation, and adjustment*
- *Laboratory process descriptions, sampling technique, and analysis*
- *Drinking water operator safety, security, and administrative procedures*
- *Public interaction*
- *Test-taking tips and procedures*

*Students may purchase the AWWA training manual WSO Water Distribution, Grades 1 and 2 for \$100 at checkout. Manuals are recommended but not required.*

*This water operator education Series was designed by the American Water Works Association to address core test content on certification exams by operator certification type and certification grade level.*

*Instructor: Jeff Cook, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members / \$210 Non-Members*

*Lunch is on your own.*

August 21, 2024

## **Operator Safety in the Workplace - Post Falls**

**Post Falls Police Department Community Room**

**1717 E Polston Ave, Post Falls, ID 83854**

**Post Falls, ID 83854**

08:30 AM - 04:30 PM MST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Operator Safety in the Workplace - Post Falls*

*Every utility can benefit from an enhanced safety program. Operators face new scenarios each day, including mechanical and excavation dangers, confined space hazards, toxic gas, and more. Learn how to identify these dangers and react appropriately. Learn how to minimize risks for yourself and for your coworkers. Equip yourself with the knowledge needed to bolster your utility's safety program and convince your supervisors that safety equipment is a must.*

*Instructor: Craig Sturman, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Water/Wastewater*

*Cost: \$120 IRWA Members / \$210 Non-Members*

*Lunch is on your own.*

August 22, 2024

**Wastewater Collection I/II Certification Review - Coeur d'Alene/Online**  
**City of Coeur d'Alene Wastewater Department**  
**765 W Hubbard Ave**  
**Coeur d'Alene, ID 83815**

8:00 AM - 3:00 PM Pacific Time or 9:00 AM - 4:00 PM Mountain Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Wastewater Collection I/II Certification Review - Coeur d'Alene/Online*

*This is a review course for operators preparing to take a Level I or II Wastewater Collections exam. This class is based off the ABC material that the Idaho Division of Occupational and Professional Licenses uses to create its licensing exams. You will receive handouts showing specific topics to study and go through example test questions for each topic. A breakdown of exam topics will be given.*

*Topics include:*

? *Equipment operation, evaluation, and maintenance*

? *Lift station operation and maintenance*

? *Collection system monitoring, evaluation, and adjustment*

? *Wastewater operator safety, security, and administrative procedures*

? *Test taking tips and procedures*

*Certification Math Review should be taken in conjunction with this course; this class does not include calculations.*

*Sacramento State training manuals are a sought-after resource for operators preparing for state certification. This training manual was developed to serve the needs of operators in a variety of ways, including: as a self-paced, independent-study distance learning course, and as a textbook in traditional college and university classes (often taught by experienced operators). The goal is to provide you with an understanding of basic operational and maintenance concepts for wastewater collection systems and with an understanding of basic collection systems and with the ability to analyze and solve problems when they occur. ?*

*If desired, the Operation and Maintenance of Wastewater Collection Systems textbook is available for purchase at checkout for \$110.*

*Instructor: Craig Sturman, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Wastewater and Collection*

*Cost: \$120 IRWA Members / \$210 Non-Members*

August 28, 2024

**Webinar Wednesday! TBA**

12:00 PM - 1:00 PM Mountain Time or 11:00 AM - 12:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Webinar Wednesday!*

*Stay tuned for this month's topic. Or if you have a great idea for a topic, please contact IRWA Training Coordinator Tondee Clark at (208) 343-7001 or tclark@idahoruralwater.com.*

September 18, 2024

**Webinar Wednesday! TBA - Online**

**Online using Zoom**

12:00 PM - 1:00 PM Mountain Time or 11:00 AM - 12:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Webinar Wednesday! TBA - Online*

*Webinar Wednesday! is a one-hour training that is free to IRWA members. The topic for this monthly training has not been selected. If you have a great idea, please contact IRWA Training Coordinator Tondee Clark at (208) 343-7001 or tclark@idahoruralwater.com.*

September 25, 2024  
- September 26, 2024

**2024 IRWA FALL CONFERENCE - Worley**

**Coeur d'Alene Casino Resort & Hotel**

**37914 S Nukwalqw St**

**Worley, ID 83876**

08:00 AM - 05:00 PM PST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

September 30, 2024

**Disinfection A-Z - Boise & Online**

**Idaho Rural Water Association Technical Training Center or Online Using Zoom**

**6395 W Gowen Rd**

**Boise, ID 83709**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Disinfection A-Z - Boise & Online*

*?This class will explore one of the most important, yet complex, aspects of utility operations: disinfection. Why do we disinfect and how does the chemical process work? Learn all about chlorination, including why it is such a good disinfectant and how to improve your plant's chlorination process. Safety precautions will be included. A review of physical and chemical methods of disinfection will be provided. Discussion of operational considerations, testing procedures, and monitoring will also be covered. Finally, this class will cover dechlorination for both water and wastewater as well as alternative methods of disinfection. Come prepared to discuss problems and questions from your treatment plant! Find solutions and operational improvements to use during your daily procedures, maximize your treatment process, and meet regulations with ease.*

*Instructor: John Schwartz, USABlueBook*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water/Wastewater*

*Cost: \$120 for IRWA Members / \$210 for Non-Members*

*Lunch is on your own.*

October 2, 2024

**Affordable Water Conservation & Water Audit Training - Boise & Online**  
**Idaho Rural Water Association Technical Training Center or Online Using Zoom**  
**6395 W Gowen Rd**  
**Boise, ID 83709**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Affordable Water Conservation and Water Audit Training - Boise & Online*

*Learn how to best manage your water system's resources! This class will teach you the difference between a basic water audit and a comprehensive water audit, as well as how to perform each. We will discuss leaks, stolen water, meter accuracy, flushing, city uses, fire suppression, and distribution system maintenance. All of these items can impact the financial success of your utility. This class will help you better understand the need for building the best water rate plan for your utility's long-term success.*

*Instructor: John Schwartz, USABlueBook*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members / \$210 Non-Members*

*Lunch is on your own.*

October 3, 2024

**Pumps and Controls: Fundamentals and Applications - Preston**  
**Franklin County Fire District**  
**55 W 1st St**  
**Preston, ID 83263**

08:30 AM - 04:30 PM MST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Pumps and Controls: Fundamentals and Applications - Preston*

*Idaho Rural Water Association is pleased to have Layne Read, with DelcoWestern, present the training: Pumps and Controls: Fundamental and Applications. This course will cover the following principles:*

*Pump Basics*

*Motors*

*Well pit designs*

*Level controls and monitoring methods*

*Starting Methods including variable frequency starters*

*Controls - including SCADA*

*System Maintenance*

*Your pump questions*

*Instructor: Layne Read, Delco Western*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water/Wastewater*

*Cost: \$120 IRWA Members/\$210 Non-Members*

*Lunch is on your own.*

October 22, 2024

**Lagoons: Managing the Waterfront - Online**

**Online Using Zoom**

8:30 AM - 12:00 PM Mountain Time or 7:30 AM - 11:00 Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Lagoons: Managing the Waterfront - Online*

*Learn the basics for operation and maintenance for lagoon systems. We will discuss the warning signs of changes in treatment and overcoming the difficulties in dealing with the limited control. We will discuss the importance of Wastewater Sampling and what we can learn from the results.*

*This 3-hour presentation will also cover the topic of Wastewater and Collection Systems Safety. The wastewater profession has more hazards than most professions. This class also covers those potential hazards, confined spaces, mitigating hazards, personal protection equipment, and more making your workplace a safer place to be.*

*Instructor: John Schwartz, USABlueBook*

*Continuing Education Units (CEUs) Available: 0.3 Wastewater*

*Cost: \$60 IRWA Members/\$105 Non-Members*

October 23, 2024

**Webinar Wednesday! TBA - Online**

**Online using Zoom**

12:00 PM - 1:00 PM Mountain Time or 11:00 AM - 12:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Webinar Wednesday! TBA - Online*

*Webinar Wednesday! is a one-hour training that is free to IRWA members. The topic for this monthly training has not been selected. If you have a great idea, please contact IRWA Training Coordinator Tondee Clark at (208) 343-7001 or tclark@idahoruralwater.com.*

October 24, 2024

**Prevention Versus Treatment - Boise & Online**

**Idaho Rural Water Association Technical Training Center or Online Using Zoom**

**6395 W Gowen Rd**

**Boise, ID 83709**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Prevention Versus Treatment - Boise & Online*

*Learn how to prevent expensive damage to your drinking water system and source! This class is all about protection and prevention over reactive maintenance and treatment. Learn how to identify potential contaminants that could threaten your water source, look up past remediation events, and how to address the businesses that own them. Equip yourself with regulatory tools to prevent industrialization and urban sprawl in your watershed or near your wells. And finally, learn all about emergency response! Who do you need to work with to have your drinking water infrastructure protected? How can you quantify your assets, so you qualify for county or state emergency funding? What is your water system required to do under the American Water Infrastructure Act? Come find out! Save your utility and your community money by preventing damage before it occurs.*

*Instructor: Adrianna Cardoso, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members / \$210 Non-Members*

*Lunch is on your own.*

October 28, 2024

**Water Distribution Tools and Practices - Boise & Online**

**Idaho Rural Water Association Technical Training Center or online using Zoom**

**6395 W Gowen Rd**

**Boise, ID 83709**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Water Distribution Tools and Practices - Boise & Online*

*This in-person class will talk about chemical feed systems, disinfection, chlorine, ozone, ultra-violet technology, water quality monitoring, pipeline operation and maintenance and line locating. Please bring your line locating equipment to share and compare with other class members.*

*Instructor: John Schwartz, USABluebook*

*CEUs Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members / \$210 Non-Members*

*Lunch is on your own.*

November 5, 2024

**Certification Math Review - Boise & Online**

**Idaho Rural Water Association Technical Training Center or Online Using Zoom**

**6395 W Gowen Rd**

**Boise, ID 83709**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Certification Math Review - Boise/Online*

*Do you need a little extra help with math? Do you have an exam coming up? Join Adrianna Cardoso from IRWA for math basics and applied problems.*

*Course Outline:*

*Review of materials and supplies needed for exam*

*How to use the provided formula sheets during your test*

*Math basics – units of measurement, fractions, decimals, percent*

*Common measurements in the wastewater and drinking water industry – volume, area, concentration, flow, pressure*

*Basic dimensional analysis problems – problem solving, strategies, resources and tools*

*Instructor: Adrianna Cardoso, Idaho Rural Water Association*

*CEUs Available: 0.6 Drinking Water/Wastewater*

*Cost: \$120 IRWA Members /\$210 Non-Members*

*Lunch is on your own.*

November 6, 2024

**Water Distribution I/II Certification Review - Coeur d'Alene & Online**

**City of Coeur d'Alene Water Department**

**3145 N Howard St**

**Coeur d'Alene, ID 83815**

8:00 AM - 3:00 PM Pacific Time or 9:00 AM - 4:00 PM Mountain Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Water Distribution I/II Certification Review - Coeur d'Alene & Online*

*This is a review course for operators preparing to take a Level I or II Drinking Water Distribution exam. This class is based on the ABC material that the Idaho Division of Occupational and Professional Licenses uses to create its licensing exams. You will receive handouts showing specific topics to study and need-to-know criteria for each.*

*Topics include:*

- *Drinking water distribution system components*
- *Equipment installation, operation, and maintenance*
- *Disinfection, monitoring, evaluation, and adjustment*
- *Laboratory process descriptions, sampling technique, and analysis*
- *Drinking water operator safety, security, and administrative procedures*
- *Public interaction*
- *Test-taking tips and procedures*

*Students may purchase the AWWA training manual WSO Water Distribution, Grades 1 and 2 for \$100 at checkout. Manuals are recommended but not required.*

*This water operator education Series was designed by the American Water Works Association to address core test content on certification exams by operator certification type and certification grade level.*

*Instructor: Jeff Cook, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members / \$210 Non-Members*

*Lunch is on your own.*

**Wastewater Collection I/II Certification Review - Boise & Online**  
**Idaho Rural Water Association Technical Training Center or Online Using Zoom**  
**6395 W Gowen Rd**  
**Boise, ID 83709**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Wastewater Collection I/II Certification Review - Boise & Online*

*This is a review course for operators preparing to take a Level I or II Wastewater Collections exam. This class is based off the ABC material that the Idaho Division of Occupational and Professional Licenses uses to create its licensing exams. You will receive handouts showing specific topics to study and go through example test questions for each topic. A breakdown of exam topics will be given.*

*Topics include:*

- ? *Equipment operation, evaluation, and maintenance*
- ? *Lift station operation and maintenance*
- ? *Collection system monitoring, evaluation, and adjustment*
- ? *Wastewater operator safety, security, and administrative procedures*
- ? *Test taking tips and procedures*

*Certification Math Review should be taken in conjunction with this course; this class does not include calculations.*

*Sacramento State training manuals are a sought-after resource for operators preparing for state certification. This training manual was developed to serve the needs of operators in a variety of ways, including: as a self-paced, independent-study distance learning course, and as a textbook in traditional college and university classes (often taught by experienced operators). The goal is to provide you with an understanding of basic operational and maintenance concepts for wastewater collection systems and with an understanding of basic collection systems and with the ability to analyze and solve problems when they occur. ?*

*If desired, the Operation and Maintenance of Wastewater Collection Systems textbook is available for purchase at checkout for \$110.*

*Instructor: Craig Sturman, Idaho Rural Water Association*  
*Continuing Education Units (CEUs) Available: 0.6 Wastewater and Collection*  
*Cost: \$120 IRWA Members / \$210 Non-Members*

November 13, 2024

**Water Treatment I/II Certification Review - Boise & Online**

**Idaho Rural Water Association Technical Training Center or Online Using Zoom**

**6395 W Gowen Rd**

**Boise, ID 83709**

8:30 AM - 4:30 PM Mountain Time or 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Water Treatment I/II Certification Review - Boise & Online*

*This is a review course for operators preparing to take a Level I or II Drinking Water Treatment exam. This class will be taught in-person in Boise and online at the same time. This class is based off the ABC material that the Idaho Division of Occupational and Professional Licenses (DOPL) uses to create its licensing exams. You will receive handouts showing specific topics to study and need-to-know criteria for each.*

*Topics include:*

- *Drinking water treatment methods*
- *Equipment operation and maintenance*
- *Source water characteristics*
- *Laboratory process descriptions, sampling technique, and analysis*
- *Drinking water operator safety, security, and administrative procedures*
- *Test taking tips and procedures*

*Students may purchase the AWWA training manuals WSO Water Treatment, Grade 1 or WSO Water Treatment, Grade 2 for a discounted rate. Manuals are recommended but not required.*

*Instructor: Kerry Huss, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members/\$210 Non-Members*

*Lunch is on your own.*

November 19, 2024

## **Hands-On Control Valves, Hydraulics and Operation Maintenance - Twin Falls**

**City of Twin Falls Public Works**

**119 S Park Ave West**

**Twin Falls, ID 83301**

**08:30 AM - 04:30 PM MST**

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Hands-On Control Valves, Hydraulics and Operation Maintenance - Twin Falls*

*This class will cover the hydraulics, operation, and maintenance of the common control valve bodies and pilots used by water districts. Participants will gain knowledge and practical application through a blend of classroom instruction, hands-on time with valves and pilots, and a live training lab.*

*Learning Outcomes for Participants:*

- ? *Deep understanding of the basic hydraulic principles involved with control valves*
- ? *Understanding of the maintenance needs for control valves*
- ? *Basic troubleshooting steps to assess and safely gain control of a improperly functioning control valve.*

*Instructor: Steve Casseaux, Cimco-GC Systems*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 members / \$210 non-members*

November 19, 2024

## **Sanitary Survey - Online**

**Online using Zoom**

**1:00 PM - 4:30 PM Mountain Time or 12:00 PM - 3:30 PM Pacific Time**

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Sanitary Survey - Online*

*This Sanitary Survey course will be offered the afternoons of Tuesday, November 19th and Thursday, November 21st. You will be joining the IRWA Apprentices with this training. You must attend both classes to earn CEUs. This drinking water course is recommended for operators, regulators, council members, board presidents, and public works supervisors or managers. This course is focused on helping you prepare for that upcoming sanitary survey or respond to significant deficiencies from a past sanitary survey. Topics include the key elements of the sanitary survey, how to prepare, which records to have on hand, response procedures, common mistakes, and where to find helpful resources for preparing or responding. Save money and stress by joining us in class!*

*Instructor: Eric Seyb, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members/\$210 Non-Members*

*Two afternoons of training:*

*Tuesday, November 19, 2024 - 1:00 PM - 4:30 PM Mountain Time or 12:00 PM - 3:30 PM Pacific Time*

*Thursday, November 21, 2024 - 1:00 PM - 4:30 PM Mountain Time or 12:00 PM - 3:30 PM Pacific Time*

November 20, 2024

**Webinar Wednesday! TBA - Online**

**Online using Zoom**

12:00 PM - 1:00 PM Mountain Time or 11:00 AM - 12:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Webinar Wednesday! TBA - Online*

*Webinar Wednesday! is a one-hour training that is free to IRWA members. The topic for this monthly training has not been selected. If you have a great idea, please contact IRWA Training Coordinator Tondee Clark at (208) 343-7001 or tclark@idahoruralwater.com.*

November 20, 2024

**Backflow Assembly Tester Re-Certification Course - Boise**

**Idaho Rural Water Association Technical Training Center**

**6395 W Gowen Rd**

**Boise, ID 83709**

08:00 AM - 05:00 PM MST

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Backflow Assembly Tester Re-Certification Course - Boise*

*Register today for Backflow Assembly Tester (BAT) Recertification Training. This will be hands-on training! Students will have the opportunity to practice on all four assembly types, troubleshoot scenarios, and ask the instructor about common challenges encountered in the field. If you pass the tests, you will earn the needed 0.8 CEUs to keep your BAT license current. The class will be held at Idaho Rural Water Association's Technical Training Center in Boise.*

*Instructor: Stacy Stuart, Stuart's Backflow*

*Continuing Education Units (CEUs) Available: 0.8 BAT*

*Cost: \$200*

*Lunch is on your own.*

December 3, 2024

**Operation and Maintenance Manual & Asset Management - Online**  
**Online**

1:00 PM - 4:30 PM Mountain Time or 12:00 PM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Operation and Maintenance Manual & Asset Management - Online*

*An operation and maintenance (O&M) manual is a resource that provides essential details about proper equipment functioning and routine measures for upkeep. The O&M manuals provide maintenance personnel with detailed guidance on extending asset life cycles, minimizing unplanned shutdowns, reducing maintenance costs, and keeping workers safe. Asset management is both a tool and tasks used to track the life of equipment, assess the condition of the asset, and predict needed repairs or replacement. Join the apprentices as they learn what should be in an O&M manual and how to manage the assets of drinking water system.*

*Instructor: Eric Seyb, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.6 Drinking Water*

*Cost: \$120 IRWA Members/\$210 Non-Members*

*Dates: Two afternoons: December 3rd & 5th, 2024 - You must attend both sessions.*

*Time: 1:00 PM - 4:30 PM Mountain Time or 12:00 PM - 3:30 PM Pacific Time*

December 4, 2024

**Operation and Maintenance Manual & Asset Management for Wastewater Systems - Online**  
**Online**

1:00 PM - 4:30 PM Mountain Time or 12:00 PM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Operation and Maintenance Manual & Asset Management for Wastewater Systems - Online*

*An operation and maintenance (O&M) manual is a resource that provides essential details about proper equipment functioning and routine measures for upkeep. The O&M manuals provide maintenance personnel with detailed guidance on extending asset life cycles, minimizing unplanned shutdowns, reducing maintenance costs, and keeping workers safe. Asset management is both a tool and tasks used to track the life of equipment, assess the condition of the asset, and predict needed repairs or replacement. Join the apprentices as they learn what should be in an O&M manual and how to manage the assets of wastewater system.*

*Instructor: Casey Fisher, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Available: 0.3 Wastewater*

*Cost: \$60 IRWA Members/\$105 Non-Members*

*Time: 1:00 PM - 4:30 PM Mountain Time or 12:00 PM - 3:30 PM Pacific Time*

December 10, 2024  
- December 11, 2024

**Wastewater Treatment I/II Certification Review - Coeur d'Alene & Online**  
**City of Coeur d'Alene Wastewater Department**  
**765 W Hubbard Ave**  
**Coeur d'Alene, ID 83815**

8:00 AM - 3:00 PM Pacific Time or 9:00 AM - 4:00 PM Mountain Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Wastewater Treatment I/II Certification Review - Coeur d'Alene & Online*

*This is a review course for operators preparing to take a Level I or II Wastewater Treatment exam. Material is based off the ABC material that the Idaho Division of Occupational and Professional Licenses uses to create its operator exams. You will receive handouts showing specific topics to study and go through example test questions for each topic. A breakdown of exam topics will be discussed.*

*Topics include:*

- ? *Types of treatment units, their purpose, and operation*
- ? *Treatment equipment operation and maintenance*
- ? *Treatment plant monitoring, evaluation, and adjustment*
- ? *Wastewater operator safety, security, and administrative procedures*
- ? *Sampling and laboratory procedures*
- ? *Test taking tips and procedures*

*(The Operation of Wastewater Treatment Plants textbook is not required but is recommended).*

*Instructor: Casey Fisher, Idaho Rural Water Association*

*Continuing Education Units (CEUs) Earned: 1.2 Wastewater and Lagoon Operation and Maintenance -*

*Cost: \$240 IRWA Members/ \$420 Non-Members*

*Lunch is on your own.*

*(Please note, this class will provide 6 hours of Lagoon Operation and Maintenance CEUs that are needed for Very Small Wastewater System Operators. The Certification Math Review class should be taken in conjunction with this course if you are preparing to take an exam.)*

December 18, 2024

**Webinar Wednesday! TBA - Online**

**Online using Zoom**

12:00 PM - 1:00 PM Mountain Time or 11:00 AM - 12:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idahoruralwater.com

*Webinar Wednesday! TBA - Online*

*Webinar Wednesday! is a one-hour training that is free to IRWA members. The topic for this monthly training has not been selected. If you have a great idea, please contact IRWA Training Coordinator Tondee Clark at (208) 343-7001 or tclark@idahoruralwater.com.*