Idaho Rural Water Association 6395 W Gowen Rd Boise, ID 83709 (208) 343-7001 office@idahoruralwater.com

Calendar of Events

February 26, 2025

Fundamentals of SCADA & Telemetry - Post Falls
Post Falls Police Department Community Room
1717 E Polston Ave
Post Falls, Id 83854
08:30 AM - 12:00 PM PST
Tondee Clark, (208) 343-7001
tclark@iidrwa.org
Fundamentals of SCADA & Telemetry - Post Falls

Fundamentals of SCADA and Telemetry is divided into three parts, each covering key aspects of modern SCADA systems.

Part 1 – High-Performance HMI introduces a design philosophy that enhances operator effectiveness, especially during abnormal situations. Developed by PAS Company in 2008 and now an industry standard, it emphasizes practices like hierarchical design, smart use of color, pattern recognition, and data contextualization, while also addressing operator ergonomics, control room layout, and managing change. Part 2 – Secure in the Cloud focuses on Cloud-based SAAS concepts, emphasizing security from field systems to Cloud-resident SCADA servers. Participants will explore the benefits and risks of connected systems, addressing key questions about internet accessibility and security threats.

Part 3 – Overcoming Telemetry and SCADA Issues for Remote Sites offers tools and strategies for addressing connectivity challenges, environmental obstacles, and aging infrastructure. Demonstrations of cellular and radio telemetry systems provide scalable solutions to maintain reliability, reduce manual interventions, and enhance efficiency. This course blends technical insights, cost-effective strategies, and case studies to improve scalability and sustainability in water and wastewater monitoring systems.

Instructor: Nathan Landreth, Advanced Control Systems

Continuing Education Units (CEUs) Available: 0.3 Drinking Water/Wastewater

Cost: \$60

Location: Post Falls

February 27, 2025

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@idrwa.org

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

February 27, 2025

Water and Wastewater Sector Threat Briefing Webinar

2-4 PM Eastern Time; 12-2 PM Mountain Time; 11 AM - 1 PM Pacific Time The U.S. Environmental Protection Agency's (EPA) Water Infrastructure and Cyber Resilience Division (WICRD), in partnership with the Water Information Sharing and Analysis Center (WaterISAC), Federal Bureau of Investigation (FBI), Cybersecurity and Infrastructure Security Agency (CISA), and Department of Homeland Security (DHS) Office of Intelligence & Analysis (I&A), is offering a virtual threat briefing that will be held on February 27, 2025. The briefing will be unclassified; no clearance is required.

It will provide an overview of information on the following topics related to water and wastewater sector security threats and preparedness:

- Potential threats to critical infrastructure (cyber and physical)
- What to do in the event of a cyber or physical intrusion
- Water security and preparedness products and services
- Registration Closes: February 26, 2025

WHO SHOULD ATTEND?

- Drinking water and wastewater owners and operators
- · State, Local, Tribal and Territorial drinking water and wastewater program personnel
- Water sector association and organization representatives
- EPA Regional personnel
- Federal, State, and Local law enforcement agencies

March 4, 2025

Excavation and Trenching Competent Person Certification - 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@idrwa.org

Excavation and Trenching Competent Person Certification - Boise

Excavation and Trenching Competent Person Certification Course Description: The course is designed to meet OSHA requirements for excavation and trenching competent person training. The course includes professional classroom theory instruction, participant handouts, final written exam, group activities, field exercises and practical evaluation.

Curriculum covers OSHA regulatory requirements including, inspections and identification of potential and existing hazards inherent to working in or around excavations and trenches, prevention of trench collapses, atmospheric and water hazards, entry and exit requirements, working with heavy machinery, materials handling, traffic controls, overhead and underground utilities. and protective systems including sloping, shoring, and shielding. Participants will be familiarized with prevention methods, and the duties and responsibilities of the Competent Person at an excavation site.

Excavation and Trenching Field Exercise and Practical Evaluation: Course includes construction site training on worker safety while performing excavation and trenching activities. Participants will create an excavation plan, conduct site hazard assessments, practice soil sampling techniques, and select and inspect protective systems for entry.

What is an excavation or trench: An Excavation is any man-made cut, cavity, trench, or depression formed by earth removal. A Trench is a narrow excavation where the depth is greater than the width.

Who Should Attend: Required for employer designated Competent Persons. OSHA requires that there be a Competent Person present whenever workers enter an excavation or trench. All workers that are exposed to excavation and trenching operations are required to be trained in the hazards and safe work practices. Initial training and refresher training every three years, or when the employer has reason to believe that any affected employee does not have the understanding and skills required to ensure safety.

IMPORTANT CONSIDERATIONS

Safety Equipment Required: Attending participants are required to bring a Hardhat, Safety Glasses, Work Gloves, Work Boots, Reflective Vest, or Jacket and wear proper Work Clothing for participation in the excavation and trenching practical exercise.

Trenching Equipment Recommended: Participating work groups are encouraged to bring working atmospheric monitor, ventilation equipment, and protective systems (shoring, shielding) for field exercise.

Completion Requirements: Participants are required to be present and actively participate in all learning activities including hands-on exercises and written exam to receive certification. Employees will receive a certification of completion and a competent person card by actively participating in the course and demonstrating knowledge in the classroom and at the training exercise site.

Learning Aids: Participants should come prepared with a notepad and pen. Guides and handouts will be provided at the start of the course. The presentation and materials are

in English (Spanish courses are available upon request).

Course Length: Approximately 8 hours including classroom theory followed by excavation and trenching field exercises. We will be covering a great deal of information in a short period of time; your punctuality will be greatly appreciated.

Instructor: Northwest Safety & Risk Services

Continuing Education Units (CEUs) Available: 0.8 Drinking Water/Wastewater

Cost: \$145

March 6, 2025

Excavation and Trenching Competent Person Certification - Lewiston Lewiston Police Training Center

2419 16th Ave Lewiston, ID 83501

08:00 AM - 05:00 PM PST Tondee Clark, (208) 343-7001

tclark@idrwa.org

Excavation and Trenching Competent Person Certification - Lewiston

Excavation and Trenching Competent Person Certification Course Description: The course is designed to meet OSHA requirements for excavation and trenching competent person training. The course includes professional classroom theory instruction, participant handouts, final written exam, group activities, field exercises and practical evaluation.

Curriculum covers OSHA regulatory requirements including, inspections and identification of potential and existing hazards inherent to working in or around excavations and trenches, prevention of trench collapses, atmospheric and water hazards, entry and exit requirements, working with heavy machinery, materials handling, traffic controls, overhead and underground utilities. and protective systems including sloping, shoring, and shielding. Participants will be familiarized with prevention methods, and the duties and responsibilities of the Competent Person at an excavation site.

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IMPORTANT CONSIDERATIONS

Safety Equipment Required: Attending participants are required to bring a Hardhat, Safety Glasses, Work Gloves, Work Boots, Reflective Vest, or Jacket and wear proper Work Clothing for participation in the excavation and trenching practical exercise.

Trenching Equipment Recommended: Participating work groups are encouraged to bring working atmospheric monitor, ventilation equipment, and protective systems (shoring, shielding) for field exercise.

Completion Requirements: Participants are required to be present and actively participate in all learning activities including hands-on exercises and written exam to receive certification. Employees will receive a certification of completion and a competent person card by actively participating in the course and demonstrating knowledge in the classroom and at the training exercise site.

Learning Aids: Participants should come prepared with a notepad and pen. Guides and handouts will be provided at the start of the course. The presentation and materials are

in English (Spanish courses are available upon request).

Course Length: Approximately 8 hours including classroom theory followed by excavation and trenching field exercises. We will be covering a great deal of information in a short period of time; your punctuality will be greatly appreciated.

Instructor: Northwest Safety & Risk Services

Continuing Education Units (CEUs) Available: 0.8 Drinking Water/Wastewater

Cost: \$145

Lunch is on your own.

March 12, 2025

Webinar Wednesday! Managing Critical Assets with Machine Learning - 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@idrwa.org

Webinar Wednesday! Managing Critical Assets with Machine Learning - Online

Water and wastewater infrastructure face challenges, including asset failures and budget constraints. Machine learning offers a more accurate solution for predicting failures and optimizing asset management. This presentation introduces Artificial Intelligence (AI) for water and wastewater systems and how utilities are applying machine learning tools as a new "best practice" to reduce costs, avoid failures, optimize capital planning, and reduce water loss.

Instructor: Bridget Garlinghouse, VODA CEUs: 0.1 Drinking Water/Wastewater

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

Location: Online using Zoom

March 13, 2025

Board & Council Training - Moyie Springs & Online
Moyie Springs City Office or Online Using Zoom
3331 E Roosevelt
Moyie Springs, ID 83845
06:30 PM - 08:30 PM MST
Tondee Clark, (208) 343-7001
tclark@idrwa.org
Board & Council Training - Moyie Springs & Online

This course is intended to assist with the financial, managerial and operational effectiveness of drinking water and wastewater systems. The information presented is based off of the US Department of Environmental Protection Agency (EPA) and Idaho Department of Environmental Quality (DEQ) policies along with regulations outlined in state code by the Idaho Administrative Procedure Act (IDAPA). The intent is to give elected officials or appointed board members an overview of regulations and requirements they must follow as they manage their community water and wastewater systems.

Subjects covered include: Open Meeting Laws and Requirements, Safe Drinking Water Act, American Water Infrastructure Act of 2018 (AWIA), Lead and Copper Rule Revision, Emerging Contaminants, 5th Unregulated Contaminant Monitor Rule (UCMR5), Planning for the Future, Common Challenges; Operator Requirements.

During 2025, this training will be offered online and in-person at the following locations: City of Carey (1/8), City of Moyie Springs (3/13), Salmon River Meadows Mutual Water (9/13), and City of Fairfield (11/17). This is excellent training for board members, council members, clerks, public works directors, operators, and supervisors.

Instructor: Casey Fisher & Adrianna Cardoso, IRWA
Continuing Education Units (CEUs) Available: 0.2 Drinking Water/Wastewater
Cost: Free

March 18, 2025 - March 20, 2025 Utility Management Certification - Coeur d'Alene & Online City of Coeur d'Alene Wastewater Department or Online Using Zoom 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@idrwa.org

Utility Management Certification - Coeur d'Alene & Online

Utility Management Certification (UMC) provides recognition for the achievements and expertise of certified utility professionals. Join the thousands of UMC-certified professionals recognized for their outstanding knowledge in management and operations. Registration fees include a UMC manual. This course is great for operators studying for Level 3 and 4 licenses as well as public works directors and clerks.

This training is a three-day course that will be taught in Coeur d'Alene and concurrently broadcast via Zoom to any throughout the state who want to participate from their home or office. After registering for this class, Tondee Clark will email you the information for applying to take the UMC Exam and how to download your digital manual. You must register by March 3rd.

There will be an open book test at the end of day three (you may take the test up to two weeks later). You will want to bring a laptop or tablet to class with you to take your test. Topics that will be covered:

Financial Sustainability and Capacity Development

Financial Accounting
Types of Accounting
Financial Reporting
Budgeting and Planning
Rate Setting and Adjustments
Asset Management

Technical Sustainability and Capacity Development

Laws and Regulations
Technical Sustainability
Managing Water Resources
Water Operations
Wastewater Operations
Energy Conservation
Safety Programs

Managerial Sustainability and Capacity Development

Human Resource Management
The Manager and the Governing Body
Customer Service
Emergency Preparedness
Public Relations and Public Policy

*Please bring a laptop or tablet to class on the third day so that you may take your UMC exam at the end of class. Exam is open book.

Instructors: Gary Sievers and Casey Fisher - IRWA

Continuing Education Units (CEUs) Available: 1.4 DW/WW CEUs (There is also a 1.2

DW/WW CEUs no-test option)

Cost: \$400 IRWA Members/ \$700 Non-Members

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April 1, 2025

2025 Spring Conference - Shotgun Shoot Fundraiser Boise Gun Club 2350 Kuna-Mora Rd Kuna, ID 83634 12:00 PM - 04:00 PM MST Carrie Gilstrap, (208) 789-0116

cgilstrap@idrwa.org

The shotgun shoot fundraiser will be held on Tuesday, April 1st, 2025 at the Boise Gun Club. This venue is located 16 miles from The Riverside Hotel. (the conference venue)

Check-in will begin at 12:00 pm with the main event starting at 1:00 pm. The cost is \$50/person. This is a fundraiser to benefit the Operations Specialist Training Assistance Scholarship. All proceeds go directly to this fund.

Participants are encouraged to bring their own ammo/shells but the club will have some available for purchase. The cost of ammunition is \$10/box and their price per round is \$7.50 or \$0.30/target. They will provide a quick safety lesson and loaner guns if needed. For those who will need to loan a gun you will need to fill out a short questionnaire and provide a valid ID.

The recommended gage is 20 and 12. A 28 gage would be acceptable but nothing larger than 12.

THANK YOU, PUMPTECH, FOR SPONSORING THE EVENT!

April 1, 2025

2025 Spring - Tony Elfering Memorial Golf Tournament Fundraiser Quail Hollow Golf Course 4720 N. 36th Street Boise, ID 83703 10:00 AM - 04:00 PM MST Carrie Gilstrap, (208) 343-7001 cgilstrap@idrwa.org

The semi-annual golf tournament fundraiser will be held on Tuesday, April 1st, 2025 at Quail Hollow Golf Course at 4720 N. 36th Street Boise, Idaho 83703. Check-in will begin at 9:00 am with a 10:00 am shotgun start. This is a fundraiser to benefit the Tony Elfering Memorial Scholarship. Cost is \$125/person or \$500/team. All proceeds go directly to the scholarship fund.

April 2, 2025 - April 3, 2025 2025 IRWA SPRING CONFERENCE in Boise, Idaho - EXHIBITOR REGISTRATION

The Riverside Hotel 2900 W Chinden Blvd Boise, ID 83714

Wednesday, April 2nd from 9 am to Thursday, April 3rd to 1:30 PM Carrie Gilstrap, (208) 789-0116 cgilstrap@idrwa.org
2025 IRWA Spring Conference - Boise - Exhibitors

Save the date for Idaho Rural Water Association's Spring Conference, April 2-5th, 2025 at The Riverside Hotel, 2900 W Chinden Blvd, in Boise, Idaho.

The Exhibit Hall is sold out! If you would like to be on the waiting list, please contact Carrie Gilstrap at (208) 789-0116.

April 2, 2025 - April 4, 2025

2025 IRWA SPRING CONFERENCE in Boise, Idaho - ATTENDEE REGISTRATION

The Riverside Hotel 2900 W Chinden Blvd Boise, ID 83714

Wednesday, April 2nd from 8 am to Friday, April 4th at 12 noon Tondee Clark, (208) 343-7001 tclark@idrwa.org

2025 IRWA Spring Conference Attendee Registration Information

The 34th Annual Spring Conference will be held April 2-4 at The Riverside Hotel, Boise, Idaho. This event is a place to earn continuing education units (CEUs). There are 51 courses and four offsite tours to choose from and the opportunity to earn up to 1.3 CEUs. The networking gained from associating with peers and exhibitors is invaluable. We also encourage you to attend IRWA's Annual Membership Meeting, Awards Dinner, and Game Night!

We are encouraging Operations Specialists, Utility Board Members, Mayors, Councilmembers, Clerks, Public Works Directors and other leaders to attend Spring Conference. We have specific classes scheduled to help officials in their responsibilities as managers of their community's most important assets. It is imperative that today's leaders have a firm understanding of their role in their water and wastewater utility systems. Register Today!

Please review the Registration Information booklet before starting registration. You will select the training sessions you would like to attend when you register! When you arrive at conference, you will be given a copy of your schedule with the classes you selected and the name of the classroom.

April 9, 2025

Webinar Wednesday! Nine Lives of Coliform: Why Disinfection fails 50% of the Time - 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@idrwa.org

Webinar Wednesday! 9 Lives of Coliform: Why Disinfection fails 50% of the Time - Online

Class members will learn the following:

How biofilm enters, develops, and spreads through the well.

What conditions in the well protect and hide coliforms.

The characteristics of coliforms that help them hide and survive disinfection.

Why shock chlorination can make things worse if your trying to disinfect coliforms.

Why chlorination fails 50% of the time.

Learn how to make simple adjustments in chlorination to always have success with disinfection.

Learn the management practice to treat and remove coliforms and all biofilm in your wells.

Instructor: LeRoy Palmer, AmeriWest Water Services, Inc.

CEUs: 0.1 Drinking Water

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

Location: Online using Zoom

April 15, 2025 - April 16, 2025

Wastewater 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@idrwa.org

Wastewater Treatment I/II Certification Review - Boise & Online
This is a review course for operators preparing to take a Level I or II Wastewater
Treatment exam. You will be joining the IRWA Apprentices for this 9-hour class.
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.

Note: This class is listed was mistakenly listed as being held in Coeur d'Alene on the 2025 IRWA Training and Events Calendar. The Coeur d'Alene training will be held on December 10-11, 2025.

(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.)

April 23, 2025

Fundamentals of SCADA & Telemetry - Lewiston Lewiston Police Training Center 2419 16th Ave Lewiston, ID 83501 08:30 AM - 12:00 PM PST Tondee Clark, (208) 343-7001

tclark@idrwa.org
Fundamentals of SCADA & Telemetry - Lewiston

Fundamentals of SCADA and Telemetry is divided into three parts, each covering key aspects of modern SCADA systems.

Part 1 – High-Performance HMI introduces a design philosophy that enhances operator effectiveness, especially during abnormal situations. Developed by PAS Company in 2008 and now an industry standard, it emphasizes practices like hierarchical design, smart use of color, pattern recognition, and data contextualization, while also addressing operator ergonomics, control room layout, and managing change.

Part 2 – Secure in the Cloud focuses on Cloud-based SAAS concepts, emphasizing security from field systems to Cloud-resident SCADA servers. Participants will explore the benefits and risks of connected systems, addressing key questions about internet accessibility and security threats.

Part 3 – Overcoming Telemetry and SCADA Issues for Remote Sites offers tools and strategies for addressing connectivity challenges, environmental obstacles, and aging infrastructure. Demonstrations of cellular and radio telemetry systems provide scalable solutions to maintain reliability, reduce manual interventions, and enhance efficiency. This course blends technical insights, cost-effective strategies, and case studies to improve scalability and sustainability in water and wastewater monitoring systems.

Instructor: Nathan Landreth, Advanced Control Systems
Continuing Education Units (CEUs) Available: 0.3 Drinking Water/Wastewater
Cost: \$60

May 13, 2025

Water Distribution III 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@idrwa.org

Water Distribution III Certification Review - Boise & Online

This course is specifically geared toward Level 3 operator certification by providing need-to-know knowledge and training. The course will review advance subjects such as employee safety programs, regulatory compliance, anticipated administrative and management duties, public water system security measures, budgets, finance, and rate structures.

Instructor: Eric Seyb, Idaho Rural Water Association

Continuing Education Units (CEUs) Available: 0.6 Drinking Water

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

May 15, 2025

Electrical Safety in the Workplace - Based on NFPA 70E - Boise Idaho Rural Water Association Technical Training Center 6395 W Gowen Rd

Boise, ID 83709

08:30 AM - 04:30 PM MST Tondee Clark, (208) 343-7001

tclark@idrwa.org

Electrical Safety in the Workplace - Based on NFPA 70E - Boise

Please note: This training is offered by Industry Training Associates and is partially supported by the Idaho Workforce Development Council as part of an Industry Sector Grant. As a requirement of this grant, participants will be asked to provide a Social Security number to the State of Idaho as a participant identifier. This will be asked for at the time of training.

Thousands of people are injured every year in incidents involving electricity. OSHA mandates that employers provide training to each employee to allow them to work safely around electrical hazards. This course will equip participants with knowledge and practical skills to help keep themselves and those around them safe in any environment where electrical hazards could exist.

This course will introduce NFPA 70E, an OSHA accepted standard, often referred to as "arc flash training" to ensure workplace electrical safety. Participants will learn the theoretical aspects of electrical safety and will have opportunities to demonstrate and practice these critical skills. They will learn to identify when additional training or instruction may be necessary for the safety of themselves or coworkers. This course will help establish employees as "qualified persons" under OSHA and NFPA standards. It will also help create and maintain a culture of safety in the workplace.

This hands-on approach to electrical safety is ideal for any individual who works around electrical equipment or for those who oversee these personnel.

Topics Covered Include:

- · Electrical hazards and how to identify them
- Effects of electricity on the body and mechanism of injury
- Relationship between various standards, regulations and oversight agencies
- Employer and employee responsibilities
- Approach and protection boundaries
- · Electrically safe work conditions
- Energized work permitting
- Energy control procedures and equipment
- PPE selection, testing and application
- Test equipment selection and application
- Basic first aid and incident response for electrical incidents.

Instructor: Aaron Ball, Industry Training Associates

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

Cost: \$120

May 20, 2025

Electrical Safety in the Workplace - Based on NFPA 70E - Pocatello City of Pocatello Water Operations Facility

1889 N Arthur Ave Pocatello, ID 83204

08:30 AM - 04:30 PM MST Tondee Clark, (208) 343-7001

tclark@idrwa.org

Electrical Safety in the Workplace - Based on NFPA 70E - Pocatello

Please note: This training is offered by Industry Training Associates and is partially supported by the Idaho Workforce Development Council as part of an Industry Sector Grant. As a requirement of this grant, participants will be asked to provide a Social Security number to the State of Idaho as a participant identifier. This will be asked for at the time of training.

Thousands of people are injured every year in incidents involving electricity. OSHA mandates that employers provide training to each employee to allow them to work safely around electrical hazards. This course will equip participants with knowledge and practical skills to help keep themselves and those around them safe in any environment where electrical hazards could exist.

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- Energy control procedures and equipment
- · PPE selection, testing and application
- Test equipment selection and application
- Basic first aid and incident response for electrical incidents.

Instructor: Aaron Ball, Industry Training Associates

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

Cost: \$120

May 21, 2025

Electrical Safety in the Workplace - Based on NFPA 70E - Ammon Ammon Public Works

3541 Ard Dr

Ammon, ID 83406

08:00 AM - 03:15 PM MST Tondee Clark, (208) 343-7001

tclark@idrwa.org

Electrical Safety in the Workplace - Based on NFPA 70E - Ammon

Please note: This training is offered by Industry Training Associates and is partially supported by the Idaho Workforce Development Council as part of an Industry Sector Grant. As a requirement of this grant, participants will be asked to provide a Social Security number to the State of Idaho as a participant identifier. This will be asked for at the time of training.

Thousands of people are injured every year in incidents involving electricity. OSHA mandates that employers provide training to each employee to allow them to work safely around electrical hazards. This course will equip participants with knowledge and practical skills to help keep themselves and those around them safe in any environment where electrical hazards could exist.

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- Effects of electricity on the body and mechanism of injury
- Relationship between various standards, regulations and oversight agencies
- Employer and employee responsibilities
- · Approach and protection boundaries
- · Electrically safe work conditions
- Energized work permitting
- Energy control procedures and equipment
- · PPE selection, testing and application
- Test equipment selection and application
- Basic first aid and incident response for electrical incidents.

Instructor: Aaron Ball, Industry Training Associates

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

Cost: \$120

May 22, 2025

Electrical Safety in the Workplace - Based on NFPA 70E - Twin Falls Idaho Department of Environmental Quality Conference Room

650 Addison Ave West, Ste 110

Twin Falls, ID 83301 08:30 AM - 04:30 PM MST

Tondee Clark, (208) 343-7001

tclark@idrwa.org

Electrical Safety in the Workplace - Based on NFPA 70E - Twin Falls

Please note: This training is offered by Industry Training Associates and is partially supported by the Idaho Workforce Development Council as part of an Industry Sector Grant. As a requirement of this grant, participants will be asked to provide a Social Security number to the State of Idaho as a participant identifier. This will be asked for at the time of training.

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This hands-on approach to electrical safety is ideal for any individual who works around electrical equipment or for those who oversee these personnel.

Topics Covered Include:

- Electrical hazards and how to identify them
- Effects of electricity on the body and mechanism of injury
- Relationship between various standards, regulations and oversight agencies
- Employer and employee responsibilities
- Approach and protection boundaries
- · Electrically safe work conditions
- Energized work permitting
- Energy control procedures and equipment
- · PPE selection, testing and application
- Test equipment selection and application
- Basic first aid and incident response for electrical incidents.

Instructor: Aaron Ball, Industry Training Associates

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

Cost: \$120

May 28, 2025

Webinar Wednesday! Legislative Update 2025 - 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@idrwa.org

Webinar Wednesday! Legislative Update 2025 - Online

This course will cover recently passed Idaho State water legislation. This class is relevant to attendees as it will discuss newly adopted laws related to water use, municipal water systems, water quality, and water management. This course will provide summaries of the legislative process, new laws, and discuss how such laws may affect water system operators. Attendees will also learn how to track future legislation on the Idaho Legislature's websites.

Instructor: Caitlin Skulan, Schroeder Law Offices, P.C.

CEUs: 0.1 Drinking Water/Wastewater

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

Location: Online using Zoom

June 10, 2025

Electrical Safety in the Workplace - Based on NFPA 70E - McCall The Evergreen Hotel Conference Room

210 N Third St McCall, ID 83638

08:30 AM - 04:30 PM MST Tondee Clark, (208) 343-7001

tclark@idrwa.org

Electrical Safety in the Workplace - Based on NFPA 70E - McCall

Please note: This training is offered by Industry Training Associates and is partially supported by the Idaho Workforce Development Council as part of an Industry Sector Grant. As a requirement of this grant, participants will be asked to provide a Social Security number to the State of Idaho as a participant identifier. This will be asked for at the time of training.

Thousands of people are injured every year in incidents involving electricity. OSHA mandates that employers provide training to each employee to allow them to work safely around electrical hazards. This course will equip participants with knowledge and practical skills to help keep themselves and those around them safe in any environment where electrical hazards could exist.

This course will introduce NFPA 70E, an OSHA accepted standard, often referred to as "arc flash training" to ensure workplace electrical safety. Participants will learn the theoretical aspects of electrical safety and will have opportunities to demonstrate and practice these critical skills. They will learn to identify when additional training or instruction may be necessary for the safety of themselves or coworkers. This course will help establish employees as "qualified persons" under OSHA and NFPA standards. It will also help create and maintain a culture of safety in the workplace.

This hands-on approach to electrical safety is ideal for any individual who works around electrical equipment or for those who oversee these personnel.

Topics Covered Include:

- Electrical hazards and how to identify them
- Effects of electricity on the body and mechanism of injury
- Relationship between various standards, regulations and oversight agencies
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- Approach and protection boundaries
- · Electrically safe work conditions
- Energized work permitting
- Energy control procedures and equipment
- PPE selection, testing and application
- Test equipment selection and application
- Basic first aid and incident response for electrical incidents.

Instructor: Aaron Ball, Industry Training Associates

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

Cost: \$120

June 11, 2025

Electrical Safety in the Workplace - Based on NFPA 70E - Lewiston Lewiston Police Training Center

2419 16th Ave Lewiston, ID 83501

08:30 AM - 04:30 PM PST Tondee Clark, (208) 343-7001

tclark@idrwa.org

Electrical Safety in the Workplace - Based on NFPA 70E - Lewiston

Please note: This training is offered by Industry Training Associates and is partially supported by the Idaho Workforce Development Council as part of an Industry Sector Grant. As a requirement of this grant, participants will be asked to provide a Social Security number to the State of Idaho as a participant identifier. This will be asked for at the time of training.

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This hands-on approach to electrical safety is ideal for any individual who works around electrical equipment or for those who oversee these personnel.

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- · Electrically safe work conditions
- Energized work permitting
- Energy control procedures and equipment
- · PPE selection, testing and application
- Test equipment selection and application
- Basic first aid and incident response for electrical incidents.

Instructor: Aaron Ball, Industry Training Associates

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

Cost: \$120

June 12, 2025

Electrical Safety in the Workplace - Based on NFPA 70E - Coeur d'Alene City of 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@idrwa.org

Electrical Safety in the Workplace - Based on NFPA 70E - Coeur d'Alene

Please note: This training is offered by Industry Training Associates and is partially supported by the Idaho Workforce Development Council as part of an Industry Sector Grant. As a requirement of this grant, participants will be asked to provide a Social Security number to the State of Idaho as a participant identifier. This will be asked for at the time of training.

Thousands of people are injured every year in incidents involving electricity. OSHA mandates that employers provide training to each employee to allow them to work safely around electrical hazards. This course will equip participants with knowledge and practical skills to help keep themselves and those around them safe in any environment where electrical hazards could exist.

This course will introduce NFPA 70E, an OSHA accepted standard, often referred to as "arc flash training" to ensure workplace electrical safety. Participants will learn the theoretical aspects of electrical safety and will have opportunities to demonstrate and practice these critical skills. They will learn to identify when additional training or instruction may be necessary for the safety of themselves or coworkers. This course will help establish employees as "qualified persons" under OSHA and NFPA standards. It will also help create and maintain a culture of safety in the workplace.

This hands-on approach to electrical safety is ideal for any individual who works around electrical equipment or for those who oversee these personnel.

Topics Covered Include:

- · Electrical hazards and how to identify them
- Effects of electricity on the body and mechanism of injury
- Relationship between various standards, regulations and oversight agencies
- Employer and employee responsibilities
- · Approach and protection boundaries
- · Electrically safe work conditions
- Energized work permitting
- Energy control procedures and equipment
- · PPE selection, testing and application
- Test equipment selection and application
- Basic first aid and incident response for electrical incidents.

Instructor: Aaron Ball, Industry Training Associates

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

Cost: \$120

June 23, 2025

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@idrwa.org

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.

June 25, 2025

Preparing for Weather Impacts on People, Plant Equipment, and Plant Processes - Bonners F Bonners Ferry City Hall or Online using Zoom

7232 Main St

Bonners Ferry, ID 83805

 $1\!:\!00\ PM$ - $3\!:\!00\ PM$ Pacific Time or $2\!:\!00$ - $4\!:\!00\ PM$ Mountain Time

Tondee Clark, (208) 343-7001

tclark@idrwa.org

Preparing for Weather Impacts on People, Plant Equipment, and Plant Processes - Bonners Ferry & Online

This course will help increase attendees' awareness about hot and cold weather impacts that occur in wastewater and water utility environments. This presentation will discuss:

(1) Keeping facility personnel safe. Tools to help you recognize and prevent cold and heat-related injuries will be shared. Your obligation as an employer and rights as an employee will be explained. (2) How cold and hot weather impacts plant equipment and things you should consider to avoid equipment damage. (3) How cold and hot weather can affect plant processes including biological treatment in wastewater.

Instructor: Tom Romesberg, IRWA

Continuing Education Unit (CEU) Available: 0.1 DW/WW Cost: Free to IRWA Members / \$40 Non-Members

July 2, 2025

Webinar Wednesday! Kerry's Constants - Math Tips & Tricks - 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@idrwa.org

Webinar Wednesday! Kerry's Constants - Math Tips & Tricks

This course will offer a starting point to successfully begin the journey into water and wastewater mathematics. The class will provide tips, tricks, and formulas that an operator will use CONSTANTLY throughout their careers. This is the opportunity to learn from someone with 30+ years in the industry.

Instructor: Kerry Huss, Idaho Rural Water Association

CEUs: 0.1 Drinking Water/Wastewater

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

Location: Online using Zoom

July 22, 2025

Flow of Water - Coeur d'Alene

City of Coeur d'Alene Wastewater Department

765 W Hubbard Ave

Coeur d'Alene, ID 83815

08:30 AM - 04:30 PM PST

Tondee Clark, (208) 343-7001

tclark@idrwa.org

Flow of Water - Coeur d'Alene

This course provides an overall view of the water and wastewater industry using the hydrological cycle as a comparison. It includes discussion on treatment technologies, storage, distribution and collections. This is a great class to inform boards, councils and the public about the importance of your utility's responsibilities.

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.

July 24, 2025

Flow of Water - Troy

Troy Fire Department

519 S Main

Troy, ID 83871

08:30 AM - 04:30 PM PST

Tondee Clark, (208) 343-7001

tclark@idrwa.org

Flow of Water - Troy

This course provides an overall view of the water and wastewater industry using the hydrological cycle as a comparison. It includes discussion on treatment technologies, storage, distribution and collections. This is a great class to inform boards, councils and the public about the importance of your utility's responsibilities.

Instructor: John Schwartz, USABlueBook

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

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

July 29, 2025

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@idrwa.org

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

July 30, 2025

Wastewater Collection I/II Certification Review - Coeur d'Alene & Online City of Coeur d'Alene Wastewater Department or Online Using Zoom

765 W Hubbard Ave

Coeur d'Alene, ID 83815

8:00 AM - 3:30 PM Pacific Time 9:00 AM - 4:30 PM Mountain Time Tondee Clark, (208) 343-7001

tclark@idrwa.org

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 textbooks - Volume 1 and Volume 2 are available for purchase at checkout for \$110 each

Instructor: Craig Sturman, Idaho Rural Water Association

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

Cost: \$120 - Sponsored by USDA

August 5, 2025

Water Distribution I/II Certification Review - Coeur d'Alene & Online City of Coeur d'Alene Water Department or Online Using Zoom 3145 N Howard St

Coeur d'Alene, ID 83815

8:00 AM - 3:30 PM Pacific Time 9:00 AM - 4:30 PM Mountain Time Tondee Clark, (208) 343-7001

tclark@idrwa.org

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

August 6, 2025

Webinar Wednesday! Critical Application Solutions in Water & Wastewater - 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@idrwa.org

Webinar Wednesday! Critical Application Solutions in Water & Wastewater - Online

Join us for an engaging one-hour training session where robust solutions for essential applications in water and wastewater treatment plants are introduced. Various applications focusing on solutions for automation, safety, and cost efficiency will be discussed. Instruction will also be given on the principles of operation, applications, benefits, and limitations of the following technologies: ultrasonic, non-contact radar, and pressure.

Key applications to be covered include:

- Chemical tanks- The use of non-contact radar to create a safe environment for accurate level measurement for staff.
- Lift stations and pits- Overcoming ultrasonic and pressure devices, and less project management requirements.
- Grit traps and wash- Using automation to manage Grit.
- Pump room and pump monitoring and control- Pressure monitoring and flood protection in the pump room.
- Open channel flow- Obtaining influent/effluent flow rates for Flume and Weir.

Instructor: John W. Smith, VEGA Americas CEUs: 0.1 Drinking Water/Wastewater

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

Location: Online using Zoom

August 7, 2025

Fundamentals of SCADA & Telemetry - Twin Falls Idaho DEQ Conference Room 650 Addison Ave West, Ste 110
Twin Falls, ID 83301
12:00 PM - 03:30 PM MST
Tondee Clark, (208) 343-7001
tclark@idrwa.org
Fundamentals of SCADA & Telemetry - Twin Falls

Fundamentals of SCADA and Telemetry is divided into three parts, each covering key aspects of modern SCADA systems.

Part 1 – High-Performance HMI introduces a design philosophy that enhances operator effectiveness, especially during abnormal situations. Developed by PAS Company in 2008 and now an industry standard, it emphasizes practices like hierarchical design, smart use of color, pattern recognition, and data contextualization, while also addressing operator ergonomics, control room layout, and managing change. Part 2 – Secure in the Cloud focuses on Cloud-based SAAS concepts, emphasizing security from field systems to Cloud-resident SCADA servers. Participants will explore the benefits and risks of connected systems, addressing key questions about internet accessibility and security threats.

Part 3 – Overcoming Telemetry and SCADA Issues for Remote Sites offers tools and strategies for addressing connectivity challenges, environmental obstacles, and aging infrastructure. Demonstrations of cellular and radio telemetry systems provide scalable solutions to maintain reliability, reduce manual interventions, and enhance efficiency. This course blends technical insights, cost-effective strategies, and case studies to improve scalability and sustainability in water and wastewater monitoring systems.

Instructor: Nathan Landreth, Advanced Control Systems
Continuing Education Units (CEUs) Available: 0.3 Drinking Water/Wastewater

Cost: \$60

Lunch is provided from 12:00 PM - 12:30 PM

August 19, 2025 - August 21, 2025 Wastewater Treatment III/IV Certification Review - Coeur d'Alene & Online City of Coeur d'Alene Wastewater Department or Online Using Zoom 765 W Hubbard Ave

Coeur d'Alene, ID 83815

8:00 AM - 4:00 PM Pacific Time or 9:00 AM - 5:00 PM Mountain Time Tondee Clark, (208) 343-7001

tclark@idrwa.org

Wastewater Treatment III/IV Certification Review -Coeur d'Alene & 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: 8:00 AM - 4:00 PM Pacific Time or 9:00 AM - 5:00 PM Mountain Time

September 9, 2025

Board & Council Training - Salmon
Salmon River Meadows Mutual Water
124 Quail Rd
Salmon, ID 83467
6:30 PM - 8:30 PM Mountain Time or 5:30 PM - 7:30 PM Pacific Time
Tondee Clark, (208) 343-7001
tclark@idrwa.org

Board & Council Training - Salmon & Online

This course is intended to assist with the financial, managerial and operational effectiveness of drinking water and wastewater systems. The information presented is based off of the US Department of Environmental Protection Agency (EPA) and Idaho Department of Environmental Quality (DEQ) policies along with regulations outlined in state code by the Idaho Administrative Procedure Act (IDAPA). The intent is to give elected officials or appointed board members an overview of regulations and requirements they must follow as they manage their community water and wastewater systems.

Subjects covered include: Open Meeting Laws and Requirements, Safe Drinking Water Act, American Water Infrastructure Act of 2018 (AWIA), Lead and Copper Rule Revision, Emerging Contaminants, 5th Unregulated Contaminant Monitor Rule (UCMR5), Planning for the Future, Common Challenges; Operator Requirements.

There are two more chances to take this training: Salmon River Meadows Mutual Water (9/13), and City of Fairfield (11/17). This is excellent training for board members, council members, clerks, public works directors, operators, and supervisors.

Instructor: TBA

Continuing Education Units (CEUs) Available: 0.2 Drinking Water

Cost: Free

September 10, 2025

Webinar Wednesday! Fundamentals of Ductile Iron Fittings - 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@idrwa.org

Webinar Wednesday! Fundamentals of Iron Fittings - Online

This presentation will explore the fittings that are used in potable water systems, sewer force mains, and inside water and wastewater plants. You will learn the difference between ductile and gray Iron fittings. A quick review of the AWWA Standards along with responsibilities of ductile iron fitting manufacturers will be presented. The three basic ductile iron fitting product line offerings with their applications and AWWA Installation Techniques and the Most Common Linings & Coatings for Fittings will also be explained. Wedge type restraints and their application along with the different styles of valve boxes will covered, briefly. The presentation will conclude with frequently asked questions received by fitting manufacturers.

Instructor: Jack Lewis, Tyler Union CEUs: 0.1 Drinking Water/Wastewater

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

Location: Online using Zoom

September 11, 2025

Flow of Water - Boise & Online

Idaho Rural Water Association Technical Training Center or Online Using Zoom 6395 W Gowen Rd

Boise, ID 83709

8:30 AM - 4:00 PM Mountain Time or 7:30 AM - 3:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idrwa.org

Flow of Water - Boise & Online

This course provides an overall view of the water and wastewater industry using the hydrological cycle as a comparison. It includes discussion on treatment technologies, storage, distribution and collections. This is a great class to inform boards, councils and the public about the importance of your utility's responsibilities.

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 1, 2025 - October 2, 2025

2025 IRWA FALL CONFERENCE in Moscow, Idaho - ATTENDEE REGISTRATION

Best Western University Inn

1516 W Pullman Rd Moscow, ID 83843

08:00 AM - 05:00 PM PST

Tondee Clark, (208) 343-7001

tclark@idrwa.org

2025 IRWA Fall Conference - Moscow - Attendees

Save the date for Idaho Rural Water Association's Fall Conference, October 1-2, 2025 at the Best Western University Inn, Moscow, Idaho.

October 1, 2025 - October 2, 2025 2025 IRWA FALL CONFERENCE in Moscow, Idaho - EXHIBITOR REGISTRATION

Best Western University Inn

1516 W Pullman Rd Moscow, ID 83843

08:00 AM - 05:00 PM PST Carrie Gilstrap, (208) 789-0116

cgilstrap@idrwa.org

2025 IRWA Fall Conference - Moscow - Exhibitors

Save the date for Idaho Rural Water Association's Fall Conference, October 1-2, 2025 at the Best Western University Inn, Moscow, Idaho.

October 21, 2025

Pumps and Controls: Fundamentals and Applications - Ammon

Ammon Public Works 3541 Ard Dr

Ammon, ID 83406

08:30 AM - 04:30 PM MST

Tondee Clark, (208) 343-7001

tclark@idrwa.org

Pumps and Controls: Fundamentals and Applications - Ammon

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

October 22, 2025

Webinar Wednesday! October Training TBA - 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@idrwa.org

Webinar Wednesday! October Training TBA - Online

Webinar Wednesday! offers a Free 1-hour training on a relevant topic. Stay tuned for our selection. If you have an idea, please contact IRWA Training Coordinator at (208) 343-7001.

Instructor: TBA

CEUs:

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

Location: Online using Zoom

October 23, 2025

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 - 4:00 PM Mountain Time or 7:30 AM - 3:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idrwa.org

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

October 30, 2025

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 7:30 AM - 3:30 PM Pacific Time Tondee Clark, (208) 343-7001

tclark@idrwa.org

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 textbooks Volumes 1 & 2 are available for purchase at checkout for \$110 each.

Instructor: Craig Sturman, Idaho Rural Water Association

Contiuing Education Units (CEUs) Available: 0.6 Wastewater and Collection

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

November 6, 2025

Water Distribution I/II Certification Review - Pocatello & Online City of Pocatello Water Operations Facility

1889 N Arthur Ave

Pocatello, ID 83204

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

Tondee Clark, (208) 343-7001

tclark@idrwa.org

Water Distribution I/II Certification Review - Pocatello & 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

November 13, 2025

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 - 4:00 PM Mountain Time or 7:30 AM - 3:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idrwa.org

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.

November 17, 2025

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@idrwa.org

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

November 17, 2025

Board & Council Training - Fairfield & Online
Fairfield City Hall
407 Soldier Ave
Fairfield, ID 83327
6:30 PM - 8:30 PM Mountain Time or 5:30 PM - 7:30 PM Pacific Time
Tondee Clark, (208) 343-7001

tclark@idrwa.org
Board & Council Training - Fairfield & Online

This course is intended to assist with the financial, managerial and operational effectiveness of drinking water and wastewater systems. The information presented is based off of the US Department of Environmental Protection Agency (EPA) and Idaho Department of Environmental Quality (DEQ) policies along with regulations outlined in state code by the Idaho Administrative Procedure Act (IDAPA). The intent is to give elected officials or appointed board members an overview of regulations and requirements they must follow as they manage their community water and wastewater systems.

Subjects covered include: Open Meeting Laws and Requirements, Safe Drinking Water Act, American Water Infrastructure Act of 2018 (AWIA), Lead and Copper Rule Revision, Emerging Contaminants, 5th Unregulated Contaminant Monitor Rule (UCMR5), Planning for the Future, Common Challenges; Operator Requirements.

This is the last Board & Council Training of 2025. This is excellent training for board members, council members, clerks, public works directors, operators, and supervisors.

Instructor: Chris Johnson, City of Bellevue

Continuing Education Units (CEUs) Available: 0.2 Drinking Water

Cost: Free

November 18, 2025

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 7:30 AM - 3:30 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idrwa.org

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 19, 2025

Webinar Wednesday! November Training TBA - 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@idrwa.org

Webinar Wednesday! November Training TBA - Online

Webinar Wednesday! offers a Free 1-hour training on a relevant topic. Stay tuned for our selection. If you have an idea, please contact IRWA Training Coordinator at (208) 343-7001.

Instructor: TBA

CEUs:

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

Location: Online using Zoom

December 10, 2025 - December 11, 2025

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 - 3:30 PM Pacific Time 9:00 AM - 4:30 PM Mountain Time Tondee Clark , (208) 343-7001

tclark@idrwa.org

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. You will be joining the IRWA Apprentices for this 9-hour class.
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 16, 2025

Lagoon Treatment Process & Algae Control with Toni Glymph Martin - Online Online

8:30 AM - 4:00 PM Mountain Time or 7:30 AM - 3:00 PM Pacific Time

Tondee Clark, (208) 343-7001

tclark@idrwa.org

Lagoon Treatment Process & Algae Control with Toni Glymph Martin - Online

We are excited to announce that we have invited Wastewater Microbiologist Toni Glymph Martin to provide 6-hours of FREE training. The participants will learn the role of bacteria, protozoa, metazoa and algae in the lagoon treatment process. The course will focus on the role of algae and how to identify the different types of algae. The participant will also gain an understanding of conditions that contribute to algal blooms along with possible corrective actions.

Instructor: Toni Glymph Martin, Wastewater Microbiology Solutions

Continuing Education Units (CEUs) Available: 0.6 Wastewater, Treatment, Laboratory

Analyst

Cost: FREE - Sponsored by EPA Priority Area 5

Location: Live Virtual

These textbooks are available from Wastewater Microbiology Solutions and are a great resource, but are not required. Click on the books to read a description and see pricing.

December 17, 2025

Webinar Wednesday! December Training TBA - 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@idrwa.org

Webinar Wednesday! December Training TBA - Online

Webinar Wednesday! offers a Free 1-hour training on a relevant topic. Stay tuned for our selection. If you have an idea, please contact IRWA Training Coordinator at (208) 343-7001.

Instructor: TBA

CEUs:

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

Location: Online using Zoom

September 30, 2026 - October 1, 2026

2026 IRWA FALL CONFERENCE in Worley, Idaho - ATTENDEE REGISTRATION

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@idrwa.org

2026 IRWA Fall Conference for Attendees

Save the date: IRWA's Fall Conference will be held September 30th & October 1st at

the Coeur d'Alene Casino-Resort-Hotel in Worley, Idaho.

September 30, 2026 - October 1, 2026 2026 IRWA FALL CONFERENCE in Worley, Idaho - EXHIBITOR REGISTRATION

Coeur d'Alene Casino Resort & Hotel

37914 S Nukwalqw St

Worley, ID 83876

08:00 AM - 05:00 PM PST Carrie Gilstrap, (208) 789-0116

cgilstrap@idrwa.org

2026 IRWA Fall Conference for Exhibitors

Save the date: IRWA's Fall Conference will be held September 30th & October 1st at

the Coeur d'Alene Casino-Resort-Hotel in Worley, Idaho.

September 29, 2027 - September 30, 2027 2027 IRWA FALL CONFERENCE in Moscow, Idaho - ATTENDEE REGISTRATION

Best Western University Inn

1516 W Pullman Rd Moscow, ID 83843

08:00 AM - 05:00 PM PST Tondee Clark, (208) 343-7001

tclark@idrwa.org

2027 IRWA Fall Conference - Moscow - Attendees

Save the date for Idaho Rural Water Association's Fall Conference, September 29-30, 2027 at the Best Western University Inn, Moscow, Idaho.

September 29, 2027 - September 30, 2027

2027 IRWA FALL CONFERENCE in Moscow, Idaho - EXHIBITOR REGISTRATION

Best Western University Inn

1516 W Pullman Rd Moscow, ID 83843

08:00 AM - 05:00 PM PST

Carrie Gilstrap, (208) 789-0116

cgilstrap@idrwa.org

2027 IRWA Fall Conference - Moscow - Exhibitors

Save the date for Idaho Rural Water Association's Fall Conference, September 29-30, 2027 at the Best Western University Inn, Moscow, Idaho.