



## Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: History of Valves ,New Valves and Water Mains

Presenter: Carl Schaumburg Title: Distribution Specialist Cross Connection Inspector

Employer: City of Corvallis Address: 1245 NE 3rd

City: Corvallis State: or Zip: 97331 Phone: 541-754-1768

Summary of Lesson content: Importance of Location and Operation of Valves in your Distribution System

New Valves and Water mains

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: LBCC WET Program, 12 yrs Years of water Treatment and Di

Education (High School, Upgrades, Colleges and Degrees): High School Grad ,LBCC WET Program

Professional Registration/Certification: Treatment #09193.Distribution #09397 Back Flow Cross Connection Inspector#  
009193

Related papers/instruction you have presented:

Title: History of Valves Date: 4/09/2026 Event: AWWA Short School

Title: New Valves and Water Mains Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: \_\_\_\_\_ Date: \_\_\_\_\_

**DO NOT WRITE BELOW THIS LINE**

Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

Return Completed Form To: OESAC CEU COMMITTEE  
P.O. Box 577  
Canby, OR 97013-0577

Email: [info@oesac.org](mailto:info@oesac.org)  
Phone: 503-698-6486



## Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Revolutionize Water Quality with Active Tank Mixing

Presenter: Kevin Chapa Title: National Sales Manager

Employer: Big Wave Water Technologies Address: 4121 Avenida De La Plata

City: Oceanside State: CA Zip: 92054 Phone: 760-717-2249

Summary of Lesson content: This lesson will discuss the challenges that water operators face when it comes to water qual

-ity inside water storage tanks. This presentation will review how tank mixing can help improve water quality by eliminating

stratification, biofilm, and TTHM's. This will also cover the installation and review how to get a mixer installed in a water storage tank

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: \_\_\_\_\_

Education (High School, Upgrades, Colleges and Degrees): B.A. Environmental Business from the University of Redlands

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities:

\_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: Kevin Chapa Date: \_\_\_\_\_

**DO NOT WRITE BELOW THIS LINE**

Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Astoria Water Main Replacement in Century Old Hand-dug Tunnel

Presenter: Dan Johnston, PE Title: Senior Water Engineer

Employer: HDR Address: \_\_\_\_\_

City: Portland State: OR Zip: 97204 Phone: 503-727-3946

Summary of Lesson content: Presentation covers initial study and alternatives analysis of the 18" cast iron water main that runs through a century old hand-dug tunnel with depths up to 110'. The City decided to remove the existing water main and sleeve in a new 24" HDPE water main using the CMGC procurement process.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Presenter is a professional engineer with 25 years in water and wastewater consulting. Skills include planning, design, and construction administration.

Education (High School, Upgrades, Colleges and Degrees): \_\_\_\_\_  
Degree in Civil Engineering

Professional Registration/Certification: \_\_\_\_\_  
PE in Oregon and Washington

Related papers/instruction you have presented:

Title: Water System Resiliency Date: 2016 Event: OAWU

Title: BRIC and FEMA Funding Date: 2021 Event: HDR Workshop

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_  
PNWS AWWA Conference Presenter Date: 2026

Course sponsor: HDR

Signature of Instructor: \_\_\_\_\_ Digitally signed by Daniel V Johnston  
Date: 2026.01.07 14:48:21-08'00' Date: \_\_\_\_\_

**DO NOT WRITE BELOW THIS LINE**  
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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Presentation Title:** Astoria Water Main Replacement in Century old Hand-dug Tunnel

**Target Audience:** Operator, Engineer, Manager

**Abstract:** The 16<sup>th</sup> St. Waterline project in Astoria Oregon is a unique and challenging project. The story begins with a corroded 18-inch diameter cast iron water main running through a century old hand-dug tunnel with depths up to 110-feet deep. Knowing the waterline's days were numbered, with little ability to access and repair, the City needed to come up with a long-term and resilient solution. HDR evaluated different options such as HDD in an adjacent alignment, and various options for replacement inside the tunnel. In collaboration with the City, a path was set to design for replacement inside the tunnel and to use the CM/GC process so that constructability and costs could be closely managed.

**Key Takeaways** – Sometimes solutions are not apparent until an experienced contractor can fully investigate – The design process can be strengthened when quality Contractor input is received – The CM/GC process is a give and take arrangement – Hydraulic analysis was important to determine how to keep the system fully operational while the water main was offline – Investigations by the Operators was needed to learn if old valves could still be closed

**CEU Relevance** – Presentation will describe the project in terms of its maintainability and access

**Topic Area** – Drinking water

**Preferred Session Length** – 60 minutes

**Was the Abstract Solicited?** No

**Speaker Information:** Dan Johnston PE, Sr. Water/Wastewater Engineer

**Speaker Background:** Current job responsibilities include project management and project engineering for various water and wastewater design projects. Specialty areas include conveyance pipelines and appurtenances for water and wastewater systems. Also complete planning and feasibility studies. Has 25 years of experience initially in the Air Force, and then in private consulting. The majority of experience falls within water planning and design.



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Solutions for Control

Presenter: Dan Huffaker Title: Western US Sales Director

Employer: Hydra-Stop Address: 144 Tower Dr

City: Burr Ridge State: IL Zip: 60527 Phone: 281-203-7012

Summary of Lesson content: Insertion Valve technology helps prevent major shutdowns & disruptions in critical infrastru

Learn how utilizing these techniques will eliminate cost associated with planned & emergency system shutdown.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Technical Sales Profesional at Hydra-Stop.

Knowledgable on valve proposition, installation process & development of prevenative maintenance planning to create effi

Education (High School, Upgrades, Colleges and Degrees): Local to the Portalnd region in High School.

University of New Orleans in Business Administration, Master of Business Administration

Professional Registration/Certification: Certified Hydra-Stop trainer. Western Regional Sales Director

Related papers/instruction you have presented:

Title: Soultion for Control Date: 2025 Event: Texas Water

Title: Solutions for Control Date: 2024 Event: WEFTEC

Professional Organizations/Activities:  
16 years experience in wastewater- water pipeline manufactuer Date: \_\_\_\_\_

Date: \_\_\_\_\_

Course sponsor: Hydra-Stop by Pentair

Signature of Instructor: Dan Huffaker Date: 1-22-2026

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# Abstract

PRESENTATION TOPIC	Water Distribution Systems
PRESENTATION TITLE	Solutions for Control: Distribution Maintenance & Repair Techniques to Avoid System Shutdown
DESCRIPTION OF ABSTRACT	<p>Hydra-Stop LLC is a manufacturer of insertion valves with technology to install a permanent valve live, under pressure, in less than two hours without disrupting the system. The information that will be discussed covers the benefits of the technology, performance testing against industry standards, a deconstruction of the valve components, and real-world applications of this solution (hydrant replacements, water main rehabs, lift station renovations and more).</p> <p>Valve insertion technology helps prevent major shutdowns and disruptions especially in critical infrastructure areas that include hospitals, retirement homes, schools, businesses and factories. Traditional methods of maintaining water systems, such as shutdowns, cause unforeseen problems down the line, including as boil orders and future breaks. The information learned can be considered to avoid such problems and give operators peace of mind. These efficient processes allow utilities to make repairs or additions without the disruption of service to their customers.</p>
LEARNING OBJECTIVE #1 (NO MORE THAN 50 WORDS)	Gain a general understanding of valve insertion techniques and processes
LEARNING OBJECTIVE #2 (NO MORE THAN 50 WORDS)	Learn how utilizing these techniques will reduce or eliminate costs associated with planned or emergency system shutdowns and promote safe installation methods
LEARNING OBJECTIVE #3 (NO MORE THAN 50 WORDS)	See real world applications and specifications of products that meet or exceed AWWA C509 and C515 standards
PRESENTATION LENGTH	One hour (50 min. presentation plus 10 min. Q&A)



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Enhancing Water Sector Security: Strategies to Identify Security Strengths, Weaknesses, and Actionab

Presenter: Leslie Ann Kainoa Title: Cybersecurity State Coordinator

Employer: CISA Address: 915 2nd Ave, Suite 3440

City: Seattle State: WA Zip: 98174 Phone: 503-462-5626

Summary of Lesson content: Interactive lesson on the tools, methods, and steps to identify strengths, risks, and weaknesses in an operation. We will look at how to turn this information into clear, actionable goals to keep water and wastewater systems secure and running smoothly.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Operational Technology (OT) Cybersecurity with an emphasis on ICS and SCADA technology

Education (High School, Upgrades, Colleges and Degrees): Masters of Science in Information Systems

Professional Registration/Certification: CISSP, GICSP

Related papers/instruction you have presented:

Title: Incident Preparedness for Water and Date: 9/16/2025 Event: AWWA Eastern Oregon Chapter

Title Cybersecurity Best Practices and Inci Date: 5/15/2025 Event: AWWA Short School PNCWA Cascade

Professional Organizations/Activities: Infragard Date: 12/11/2025

Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: LESLIE ANN Y KAINOA Digitally signed by LESLIE ANN Y KAINOA Date: 2025.12.08 16:09:00 -08'00' Date: 12/08/2025

**DO NOT WRITE BELOW THIS LINE**

Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Protect Your Pipes

Presenter: Patrick Miller Title: Technical Sales and Engineering Support

Employer: Cimco-GC Systems Address: 2310 Inter Ave

City: Puyallup State: WA Zip: 98372 Phone: 253-263-3099

Summary of Lesson content: See attached abstract

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: See attached Bio

Education (High School, Upgrades, Colleges and Degrees): High School Diploma

Professional Registration/Certification: CPSC

Related papers/instruction you have presented:


Title: Locating 101 Date: 3/5/25 Event: OAWU Annual Conference

Title: Locating 101 Date: 9/18/25 Event: Southern Oregon Short School

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor:  Digitally signed by Patrick Miller Date: 2025.11.12 14:28:54 -08'00' Date: \_\_\_\_\_

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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Vendor Tour

Presenter: Moderator: Lisa Erkert Title: Environmental Specialist I

Employer: EWEB Address: 3957 Hayden Bridge Rd

City: Springfield State: OR Zip: 97477 Phone: 541-685-7124

Summary of Lesson content: Interactive time for attendees to learn about new technologies, equipment, and useful tools for water and wastewater sectors by taking a tour of this year's vendors. Signatures from vendors checked and then schedule card will be stamped for attendance.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Three years experience at Delta Environmental operating small wastewater & public water systems and six years in source protection/water quality with EWEB.

Education (High School, Upgrades, Colleges and Degrees): Bachelor of Science in Environmental Science at the U of O

Professional Registration/Certification: Wastewater Collection level 1, Wastewater Treatment level 1, Water Treatment level 1

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: PNWS-AWWA Cascade to Coast Subsection

Signature of Instructor: Lisa Erkert Digitally signed by Lisa Erkert Date: 2025.02.06 11:44:52 -08'00' Date: 2/6/25

**DO NOT WRITE BELOW THIS LINE**  
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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Corrosion Survey of EWEB's Finished Water Transmission Mains

Presenter: Nathan Endicott Title: Staff Engineer

Employer: Eugene Water & Electric Board Address: 4200 Roosevelt BLVD.

City: Eugene State: OR Zip: 97402 Phone: 541-556-921

Summary of Lesson content: An overview of the corrosion survey methodology, findings, and lessons learned.

Background information of the corrosion evaluation for EWEB's 45-inch and 60-inch water transmission main pipelines. \_\_\_\_\_

Background information of the corrosion engineering and External Corrosion Direct Assessment (ECDA) methodology. \_\_\_\_\_

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Pipeline condition assessment, corrosion engineering, civil engineering.

Education (High School, Upgrades, Colleges and Degrees): Bachelor of Science in Civil Engineering

Professional Registration/Certification: 84737PE

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: Cascade to Coast, Past President Date: 12/16/2025

Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: Nathan Endicott Digitally signed by Nathan Endicott Date: 2025.12.16 14:42:27 -08'00' Date: \_\_\_\_\_

**DO NOT WRITE BELOW THIS LINE**

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Underground Utilities: What You Don't See Can Hurt You

Presenter: Joshua Thomas Title: Executive Director

Employer: Oregon Utility Notification Center Address: 10372 SW Bonanza Way

City: Tigard State: OR Zip: 97224 Phone: 503-317-5007

Summary of Lesson content: Attendees will gain understanding and appreciation for the importance of safe excavation when digging above the critical infrastructure beneath our feet in communities across our state and beyond. Knowing what's below can help prevent costly damages, temporary loss of critical utility services, injuries or worse.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: 30-year public relations career with a background in crisis communications, including state legislature, municipal government, FEMA, ports, dairy industry and damage prevention.

Education (High School, Upgrades, Colleges and Degrees): Aloha High School, Bachelor in Journalism from University of Oregon, Masters Degree in Public Administration from Portland State University

Professional Registration/Certification: Trained mediator, Clackamas County Dispute Resolution Center, graduate and presenter for Leadership Lake Oswego

Related papers/instruction you have presented:

Title: Excavation Safety Training Classes Date: 2021 - present Event: Oregon 811 sponsored classes/conferences

Title: Numerous speeches and classes Date: 2005 - present Event: Presentations for employers/associations

Professional Organizations/Activities:  
Public Relations Society of America: Oregon Chapter Date: 1995 - present

Various boards, commissions, volunteer roles including Scoutmaster Date: 1995 - present

Course sponsor: Oregon Utility Notification Center (Oregon 811)

Signature of Instructor: \_\_\_\_\_ Date: 1/13/25

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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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# J O S H U A W I L L I A M T H O M A S

10372 SW BONANZA WAY, TIGARD, OR 97224 | 503-317-5007 | [mrjwthomas@gmail.com](mailto:mrjwthomas@gmail.com)

## PROFESSIONAL EXPERIENCE

### **Executive Director**, May 2021 to present

Oregon Utility Notification Center (dba Oregon 811), Portland, OR

- Oversee all aspects of the daily operations and contracts for the Oregon Utility Notification Center
- Represent the agency in speeches, presentations, testimony, responses, media, and training classes
- Develop strategic plan, budget, damage data analysis, annual reports, partnerships, and board continuity

### **Senior Director of Communications**, February 2015 to April 2021

Oregon Dairy Products Commission (dba Oregon Dairy and Nutrition Council), Portland, OR

- Led organizational rebranding, communications strategy and industry relations; national content taskforce
- Redesigned website and increased traffic by 274%, grew social media presence with relevant content
- National ‘Scoop It Forward’ campaign won Spotlight Award; Royal Rosarians Honorary Knighthood

### **Marketing and Media Relations Manager, Marine and Industrial Development**, March 2007 to February 2015

Port of Portland, Portland, OR

- Directed response to issues including shooting, ship grounding, structure collapse, protests
- Presented for national and international conferences, vessel calls, media stories, special projects
- Earned Executive Director’s Award; American Association of Port Authorities Award of Merit

### **Citizen Information Coordinator/Public Information Officer**, January 2002 to February 2007

City of Lake Oswego, Lake Oswego, OR

- Represented City during bridge failure, ice storm, street maintenance fees, dispute resolution cases
- Managed part-time and intern staff; coordinated sister city relationship and visits
- Received City Council award for Hurricane Katrina response during temporary placement with the Federal Emergency Management Agency; Silver Circle Award for City Guide project

### **Communications and Outreach Coordinator/Legislative Assistant**, December 1998 to December 2001

Oregon Legislative Assembly, Salem, OR

## EDUCATION

### **Master of Public Administration**, Public Policy, 1998 | Portland State University, Portland, OR

- Phi Kappa Phi Honor Society, PSU Bookstore Board of Directors, President's Award for Outstanding Service

### **Bachelor of Arts**, Journalism and Communication, 1995 | University of Oregon, Eugene, OR

- University Senator, Oregon Campaign Ambassador, Alpha Tau Omega President, Koyl Cup Award

## PROFESSIONAL AFFILIATIONS AND COMMUNITY INVOLVEMENT

- States and Regions Content Taskforce member, Dairy Management, Inc.
- Public Relations Committee member, American Association of Port Authorities
- Treasurer/board member, Public Relations Society of America, Portland Chapter
- Trained mediator, Clackamas County Dispute Resolution Center
- Member, State of Oregon Fair Dismissal Appeals Board (Governor appointed, Senate confirmed)
- Graduate and guest lecturer, Leadership Lake Oswego
- Steering Committee member, Lake Oswego Festival of the Arts
- Team Leader, American Cancer Society Relay for Life
- Scoutmaster, Boy Scouts of America, Troop 423; Eagle Scout (1991)

**REFERENCES AVAILABLE UPON REQUEST**



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Introduction to Specialty Valves

Presenter: Patrick Miller Title: Technical Sales and Engineering Support

Employer: Cimco-GC Systems Address: 2310 Inter Ave

City: Puyallup State: WA Zip: 98372 Phone: 253-263-3099

Summary of Lesson content: See attached Abastract

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: See attached bio

Education (High School, Upgrades, Colleges and Degrees): High School Diploma

Professional Registration/Certification: CPSC

Related papers/instruction you have presented:

Title: Air Valves Explained Date: 3/20/25 Event: WETRC Water Operators Workshop


Title: Decoding Combination Control Valve Date: 3/5/25 Event: OAWU Annual Conference

Professional Organizations/Activities:

\_\_\_\_\_ Date: \_\_\_\_\_

Hands-On Control Valve All-Day Training w/ AWWA Date: 7/30/2025

Course sponsor: Cimco-GC Systems

Signature of Instructor:  Digitally signed by Patrick Miller Date: 2025.11.12 14:24:54 -08'00' Date: \_\_\_\_\_

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**Title:**

Overview and Valve Selection: An Introduction to Specialty Valves

**Course Description for Program:**

This course focuses on three critical valve categories essential for water operators: **Check Valves** for preventing backflow and protecting system components, various **Air Valves** necessary for managing pipeline air to ensure efficient flow and prevent damage, and **Quarter-Turn Valves** prized for their quick on/off functionality and sealing characteristics. Water operators will gain practical knowledge in the application, design and sizing of these valves to maintain system integrity and reliability. Understanding the operation of these specific valves is vital for ensuring optimal performance in modern water treatment and distribution systems.

**CEU Relevancy Statement:**

This course on specialty valves directly enhances a water operator's technical knowledge in specialty valves which are a critical area of every water system. Mastery of check, air, and quarter-turn valve operation is essential for maintaining system integrity, ensuring public health, and complying with water quality regulations.

**Ray Velasquez Bio:**

Ray Velasquez has recently transitioned from 10 years in the military to the waterworks and irrigation industry. Ray helps consult engineers and water operators on new projects and has spent extensive time in the field with Cimco-GC System's service team working on water systems across the Pacific Northwest.

**Patrick Miller Bio:**

Patrick Miller has been an active contributor to the Waterworks industry since January 2023, working with the Cimco-GC Systems. He plays a vital role in maintaining the integrity of water and wastewater systems through his work training operators how to rebuild, inspect, and troubleshoot control valves. Recognizing the importance of effective planning, Patrick regularly meets with engineers to lend his insights to valve design and selection processes. His commitment extends to providing practical support to water and wastewater utilities, assisting with specialty valve applications, pipe locating, and leak detection.



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Practical Guide to Locating Water and Sewer

Presenter: Brian Moss Title: Owner / Sales Manager

Employer: RJM Equipment Sales, Inc Address: 9808 NE 134th Ave

City: Vancouver State: WA Zip: 98682 Phone: 360-828-5732

Summary of Lesson content: Improving locator accuracy by understanding locator signals and methods. Choosing the best frequencies for each condition, checking locate accuracy, choosing the best location for ground rods. Locating plastic pipes. Locating cameras and sondes. Calibration check of locators.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Locating, training and supporting locating equipment since 2002.

Education (High School, Upgrades, Colleges and Degrees): BS Civil Engineering at WSU

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: Brian Moss Date: 1/30/2026

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Phone: 503-698-6486



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Practical Guide to Locating Water Leaks

Presenter: Brian Moss Title: Owner / Sales Manager

Employer: RJM Equipment Sales, Inc Address: 9808 NE 134th Ave

City: Vancouver State: WA Zip: 98682 Phone: 360-828-5732

Summary of Lesson content: Practical Leak Detection Methods and Equipment for locating leaks in water mains.

Field examples of leaks including water leak sounds. Tips for improving leak detection accuracy and success.

Locating non-metallic pipes.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Sewerin equipment and field training since 2004.

Many onsite and remote training and support meeting to support water leak detection equipment since 2002.

Education (High School, Upgrades, Colleges and Degrees): BS Civil Engineering at WSU

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: Brian Moss Date: 1/30/2008

**DO NOT WRITE BELOW THIS LINE**

Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

Return Completed Form To: OESAC CEU COMMITTEE  
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Canby, OR 97013-0577  
Email: [info@oesac.org](mailto:info@oesac.org)  
Phone: 503-698-6486



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: State Preparedness and Incident Response Equipment (SPIRE) Grant Program

Presenter: Matt Neuenheim Title: Regional Emergency Management Coordinator

Employer: Oregon Emergency Management Address: 3930 Fairview Industrial Dr SE

City: Salem State: OR Zip: 97302 Phone: 971-719-6540

Summary of Lesson content: The State Preparedness and Incident Response Equipment (SPIRE) grant program provides equipment to local governments and other recipients for emergency preparedness. This equipment is made available in an emergency response to decrease the risk of loss of life and property damage.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Two years of experience with emergency response ICS. Manage SPIRE equipment for the Willamette Valley Region (Marion, Polk, Linn, Benton, Lane)

Education (High School, Upgrades, Colleges and Degrees): Bachelor of Science in Urban & Public Affairs, Portland State University. Masters in Emergency Management and Homeland Security, Arizona State University

Professional Registration/Certification: N/A

Related papers/instruction you have presented:

Title: N/A Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title: N/A Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities:

\_\_\_\_\_  
Oregon Emergency Managers Association Date: 2020-present

Course sponsor: Oregon Department of Emergency Management

Signature of Instructor: Matt Neuenheim Digitally signed by Matt Neuenheim Date: 2026.01.14 13:39:11 -08'00' Date: \_\_\_\_\_

**DO NOT WRITE BELOW THIS LINE**  
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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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Phone: 503-698-6486



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Active Shooter Response Planing

Presenter: Ray Johnson Title: Instructor

Employer: Backflow Management INC. Address: 17752 NE San Rafael St.

City: Portland State: OR Zip: 97230 Phone: 503-255-1619

Summary of Lesson content: \_\_\_\_\_

Learn how to construct a plan, what to expect when police arrive, conduct a head count and train employees how to respond to an active shooter event using the Run, Hide, Fight protocol.Evaluation of facility vulnerability.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Safety Program Manager, City of The Dalles  
Oregon State Certified Instructor Cross Connection Control Specialist and Backflow Tester Training

Education (High School, Upgrades, Colleges and Degrees): \_\_\_\_\_  
High School Diploma - 2 years college

Professional Registration/Certification: \_\_\_\_\_  
see attached

Related papers/instruction you have presented:

Title: <u>Water Distribution Exam Review</u>	Date: <u>July 23-25, 2024</u>	Event: <u>BMI Training course</u>
Title: <u>Active Shooter Response</u>	Date: <u>March, 2023</u>	Event: <u>OAWU Conference</u>

Professional Organizations/Activities:

<u>OAWU Conference</u>	Date: <u>March, 2024</u>
<u>OAWWU Conference</u>	Date: <u>Dec. 2024</u>

Course sponsor: AWWA/PNCWA

Signature of Instructor: \_\_\_\_\_ Date: 11/10/24

**DO NOT WRITE BELOW THIS LINE**  
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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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Canby, OR 97013-0577



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Cross Connection Control Awareness

Presenter: Ray Johnson Title: Instructor

Employer: Backflow Management INC. Address: 17752 N E San Rafael

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Summary of Lesson content: .Presentation will cover Cross Connection Control terminology, definitions, hydraulics of backflow documented case histories, regulatory jurisdictions, examples of common cross connections, backflow preventers.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: see attached

Education (High School, Upgrades, Colleges and Degrees): High School diploma -2 years college

Professional Registration/Certification: see attached

Related papers/instruction you have presented:  
Title: CCC Specialist Certification training Date: Nov. 19 &20, 24 Event: ERWOW training course  
Title: Backflow Assembly tester certification Date: Oct. 7 & 8, 24 Event: BMI training course

Professional Organizations/Activities:  
OAWU Conference Date: Aug, 2023  
OAWU Conference Date: March 2024

Course sponsor: AWWA/PNCWA

Signature of Instructor: \_\_\_\_\_ Date: 12/9/24

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**Ray Johnson****Instructor/Project Manager**

Backflow Management Inc. BMI  
17752 San Rafael St.  
Portland, OR 97230

503-255-1619

ray@bmibackflow.com

December 2024

Background

Ray Johnson has worked in both the private and public drinking water industry for over 35 years. Ray recently retired as the Water Distribution Manager for the City of the Dalles. Ray was responsible for supervising the distribution crew's daily work schedule, preparing water budgets, overseeing water construction projects establishing safety programs and safety training. Prior to the City of the Dalles Ray was with the City of Redmond, Oregon for 11 years as the City's Water Operations Manager responsible for the Cross Connection Control program, Water Conservation Program, and Safety Programs.

Ray is currently working with Backflow Management Inc. as a Course Instructor. BMI is a private company that provides a variety of training courses for Water Operators, Wastewater Operators, Backflow Testers, Cross Connection Specialists. Ray also teaches ODOT Certified Flagger classes and several safety courses including Confined Space Entry, Chlorine Safety and AC Pipe Handling.

Certifications

Oregon Water Distribution Operator WD II  
Oregon Cross Connection Control Specialist  
Oregon Certified Backflow Assembly Tester  
Oregon Certified Backflow test gauge calibrator  
Oregon certified Cross Connection Control Instructor  
ODOT Certified Flagger Instructor



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Streaming Current and Particle Counters: How Two Unique Instruments Contribute to Effective Water T

Presenter: Krag Petterson Title: West Regional Sales Manager

Employer: Chemtrac Address: 1555 Oakbrook Dr. Suite 100

City: Norcross State: GA Zip: 30093 Phone: 971-421-4884

Summary of Lesson content: Presentation covers how streaming current measurement works and how it can contribute to effective coagulant dose control. Also covered are particle counters and how they can be used in conjunction with turbidity measurements to efficiently operate filters and monitor filter breakthrough

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Over 20 years of experience with analytical instrumentation in research, and environmental monitoring

Education (High School, Upgrades, Colleges and Degrees): B.S. Chemistry, University of Puget Sound; Masters of Business Administration: Marylhurst University

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: See attached CV Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities:

\_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: Chemtrac/Correct Equipment

Signature of Instructor: b8718da6-03c1-4977-b462-597823612862 Digitally signed by b8718da6-03c1-4977-b462-597823612862 Date: 2025.10.28 10:51:12 -07'00' Date: 10/28/2025

**DO NOT WRITE BELOW THIS LINE**

Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Cascadia - Preparing to Be Ground Zero

Presenter: Jenny Demaris Title: Emergency Mgmt. Specialist Employer: Eugene Water & Electric Board  
Address: 4200 Roosevelt Blvd.

City: Eugene State: OR Zip: 97402 Phone: (541) 685-7000

Summary of Lesson content: 1) Review of characteristics to the Cascadia Subduction Zone earthquake fault: magnitude, frequency, impact zone, liquefaction, local tsunami, landslides, coastal subsidence, impacts to infrastructure.

2) Anticipated local, state, federal response, 3) Preparedness efforts needed at the personal and local level.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: 25+ years as active emergency manager and safety officer, focus on employee/public preparedness, mitigation, response and recovery.

Education (High School, Upgrades, Colleges and Degrees): Certified FEMA ICS Instructor, Presenter  
Certificate of Emergency Management Leadership, Linn Benton Community College

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \*See attached roster of completed Cascadia presentations in Oregon - 131 since 2013.

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_  
Oregon Emergency Management Association, Utility/Public Works Committee Chair Date: 12/01/2024

Course sponsor: Lisa Erkert, Eugene Water & Electric Board, Water and Quality Protection

Signature of Instructor: \_\_\_\_\_ Date: 02/11/25

**DO NOT WRITE BELOW THIS LINE**  
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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Game - ICS 201, Initial Incident Briefing

Presenter: Jenny Demaris Linked In Title: Emergency Mgmt. Specialist Employer: Eugene Water & Electric Board  
Address: 4200 Roosevelt Blvd.

City: Eugene State: OR Zip: 97402 Phone: (541) 685-7000

Summary of Lesson content: Learn how to adapt ICS 201 Game to home agency, how to host/facilitate the game and practice full game session. ICS 201 Game provides random, simulated hazards and impacts related to personnel, facilities, policy/fiance/information, technology/comm's, equipment/supply resources.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: 25+ years as active emergency manager and safety officer, focus on employee/public preparedness, mitigation, response and recovery.

Education (High School, Upgrades, Colleges and Degrees): Certified FEMA ICS Instructor, Presenter  
Certificate of Emergency Management Leadership, Linn Benton Community College

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \*See related professional training summary  
Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities:

\_\_\_\_\_  
Oregon Emergency Management Association, Utility/Public Works Committee Chair Date: 10/22/25

Course sponsor: Lisa Erkert, Eugene Water & Electric Board, Water and Quality Protection

Signature of Instructor: Virginia Demaris Date: 10/22/25

**DO NOT WRITE BELOW THIS LINE**

Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Training and Education Summary**

Virginia "Jenny" Demaris

Timeframe: 1993 - 2025

FEMA SID #: 000094605

10/22/2025

The following outlines summary of training related to emergency management mission areas, capabilities within those areas as well as administrative functions such as supervisory/leadership, instructor roles, exercise coordination, etc. Copies of course certificates available upon request.

Education - Core	Year
Eddyville High School - Diploma	1990
Linn Benton Community College - Emergency Mgmt. Leadership Certificate	2007
ECRI Institute - Certification - Healthcare Environmental Mgr. (retired)	2009
State of Oregon - Fire Fighter 1/Emerg. Med. Resp. (10 yrs, retired)	2011
Oregon State Sheriff's Association - Leadership Academy	2014

ICS Position Specific Training	Year
Incident Commander	2022
Finance/Admin Section Chief	2022
Liaison Officer	2022
Planning Section Chief	2014
Public Information Officer	2014
Resource Unit Leader	2015

Instructor Certificates	Year
FEMA ICS Certified Instructor	2011, 2025
Instructional Presentation and Eval. Skills	2022
Public Health POD Essentials	2017
Tsunami Awareness	2012
Hospital Emergency Resp. (Decon)	2010
HSEEP Exercise & Evaluation Program	2008, 2015
Incident Command System Series	2004, 2008
Hospital Incident Command System	2007

FEMA Specialized Certificates	Year
Continuity Practitioner, Level I	2025
Professional Development Series	2012

Communications	Year
Amateur Radio - W1JEN	2019

Training/Education Courses	Courses	Hours
All Courses Attended	129	1,610

Training by Mission Area	Total Courses	Total Hours
Mitigation	5	26
Prevention	14	104
Protection	22	292
Recovery	2	12
Response	86	1,177
<b>Total</b>	<b>129</b>	<b>1,610</b>

Training by Sub-Mission	Total Courses	Total Hours
Access & Functional Needs	3	27
Alert & Warning	2	11
CERT Volunteer	2	22
Communications	2	19
Continuity-COOP	5	40
Damage Assessment	4	16
Debris Management	2	12
Emerg. Medical Responder	2	68
Emergency Mgmt./EOC	12	141
Evacuation	2	20
Exercise Coordination	7	76
Fatalities Mgmt.	3	20
Fire Fighter	1	72
Haz/Mat-Decon	7	106
Instructor	8	142
Leadership	7	75
Mass Care/Sheltering	3	21
Mitigation	5	26
Multi Casualty Response	1	32
Multi-Agency Coord. Group	2	19
NIMS - ICS	28	412
Preparedness	1	6
Public Health & Health	9	116
Public Information	2	19
Recovery	2	12
Security	1	1
Situational Awareness	2	28
Utilities	4	56
<b>Total</b>	<b>129</b>	<b>1,610</b>



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Applying the New Effective Utility Management Framework to Your Utility

Presenter: Michael Grimm Title: General Manager

Employer: West Slope Water District Address: 3105 SW 89th Avenue

City: Portland State: OR Zip: 97086 Phone: 503-729-0544

Summary of Lesson content: Effective Utility Management (EUM) is a management approach developed by water sector leaders for water sector leaders. This presentation provides an overview of the modernized EUM Framework for 2024 including the 5 Keys to Management Success and the 10 Attributes of an effectively managed utility

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: 10 years of utility management experience as the General Manager for West Slope Water District ... 39 years of experience in public drinking water

Education (High School, Upgrades, Colleges and Degrees): B.S of Civil Engineering from Oregon State University, Class of 1984

Professional Registration/Certification: Licensed Professional Engineer in Oregon; 1989

Related papers/instruction you have presented:

Title: EUM discussion Date: Sept 2024 Event: Webinar by EPA

Title: EUM presentations Date: May 2025 Event: PNWS-AWWA Annual Conference

Professional Organizations/Activities: AWWA individual member Date: Joined April 1986

Date: \_\_\_\_\_

Course sponsor: Cascade to Coast Water Works School

Signature of Instructor: *Michael Grimm* Date: January 27, 2025

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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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Phone: 503-698-6486



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Quartz Creek Floodplain Restoration

Presenter: David Richey Title: GIS Analyst II

Employer: Eugene Water & Electric Board Address: 3957 Hayden Bridge Rd

City: Springfield State: OR Zip: 97477 Phone: 541-685-7723

Summary of Lesson content: This presentation will describe the Quartz Creek floodplain restoration project.

The project aims to promote historic connections between the river and its floodplain, increase habitat diversity, and provide slow-water areas to support fish and allow sediment to drop out of the flowing water.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: See attached

Education (High School, Upgrades, Colleges and Degrees): \_\_\_\_\_

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: David Richey Date: 01/13/2026

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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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## EXPERTISE

- Program Management & Staff Development
- Project Development & Management
- GIS Data Development, Spatial Analysis, & Cartography
- Watershed Hydrologic Modeling & Landscape Analysis
- Natural Systems Education & GIS Technology Training
- Public Presentation, Participation, & Facilitation
- Urban Planning, Active Transport, & Public Health
- Rural Land Use & Agricultural Systems
- Lidar Point cloud (.las) analysis
- ArcGIS, Python, Arcade, SQL

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## EDUCATION

**Master of Landscape Architecture**, University of Oregon, Eugene, Oregon, 2000

**Bachelor of Landscape Architecture**, University of Oregon, Eugene, Oregon, 1997

**Bachelor of Arts**, Biology, Oberlin College, Oberlin, Ohio, 1990

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## PROFESSIONAL EXPERIENCE

**GIS Analyst II**, *Eugene Water & Electric Board*; July 2022 – present.

- Provide GIS support services as a member of the Water Quality and Source Protection Team for the Water Operations Division in promoting water quality in the McKenzie River Watershed, the source of drinking water for 200,00 people in the Eugene-Springfield Area.

**Owner**, *Land Craft Design & Consultation LLC*; November 2019 – June 2022.

- Provide comprehensive geographic information system services to public agency and non-profit clients.

**GIS Program Manager**, *Lane Council of Governments (LCOG), Eugene, Oregon*; September 2018 – December 2019;

**Principal GIS Analyst**, *LCOG*, 2017-2018; **Senior GIS Analyst**, *LCOG*, 2012 – 2017; **GIS Associate**, *LCOG*, 2007 – 2012; **GIS Assistant**, *LCOG*, 2004 – 2007.

- Manage a long-term, multi-agency cooperative regional GIS program providing a range of geo-spatial data products and services to county and city governments, public safety districts, and private businesses such as title companies, real estate agents, and development professionals. Responsibilities include inter-governmental coordination; development and implementation of policies, procedures, and budget; personnel management; identifying potential work; securing resources; and representing the organization at various community, state, federal, and other agency meetings.
- Supervise staff in the execution of contract-based activities providing a range of geo-spatial services and products to member agencies of LCOG (Public Utilities, Municipalities, School Districts, etc.) and private-sector clients.
- Perform a wide variety of GIS-based cartographic and analytic tasks in support of urban and regional landscape planning projects, active transport modeling, public school management, and other spatial analyses.
- Conduct urban land and transportation analysis and planning: Building Lands Inventory, Housing Needs Assessment, Urban Growth Expansion, Transportation Analysis, and Transportation Growth Management, and Active Transport.
- Conduct landscape and natural resource analysis and planning: watershed hydrologic modeling, monitoring, and management; land cover classification; Lidar analysis; nitrate groundwater modeling; agricultural landscape analysis; and food system research.
- Administer databases and programs using Python and ESRI Model Builder; GRID and LiDAR analysis; data acquisition & quality assurance; spatial database design, maintenance, and analysis using several platforms: T-SQL, MS Access, MS SQL Server (user), ESRI Personal, File, & SDE databases.
- Organize regional meetings around GIS training and data development; train internal staff, interns, colleagues at collaborating agencies and organizations in GIS technologies; make presentations to local and regional meetings and conferences.

**Adjunct Assistant Professor, University of Oregon, Eugene, Oregon; 2000 – 2003; 2018**

- Instructed in the theory and application of Geographic Information Systems.
- Produced student familiarity with ESRI's ArcGIS package of software, student ability to apply it to answer well-framed geographic questions and relate results in verbal and graphic format.
- Class materials for 2018 available at [https://davidjrichey.github.io/UO\\_Geography\\_4-581/](https://davidjrichey.github.io/UO_Geography_4-581/)

**Instructor, Lane Community College Eugene, Oregon; Fall 2010**

- Instructed a course in cartographic methods.

**Project Staff II, Satre Associates, P.C., Eugene, Oregon; 2000 - 2003**

- Executed spatial modeling, analysis and provided GIS technical support.
- Conducted urban planning and document composition and layout, including Environmental Assessment and Comprehensive Refinement Plans.
- Prepared landscape designs, contract documentation, and literature and code research.

**Graduate Research Fellow, Institute for a Sustainable Environment (ISE), University of Oregon, Eugene, Oregon; 1996 - 2000**

- Participated in a five-year, EPA-funded multidisciplinary research investigating projects in regional and landscape studies, GIS, and landscape ecology, the *Alternative Futures for the Willamette River Basin* project.
- Learned and executed numerous GIS-based tasks: data digitization, manipulation, analysis, modeling of both natural and cultural systems including intensive use of ARC/Info Arc Macro Language coding.
- Conducted literature research; cartographic and document layout; made presentations to a variety of scientific research, planning, and community groups on a range of natural resource and planning topics.

**Graduate Teaching Fellow, University of Oregon Department of Landscape Architecture, Eugene, Oregon; 1996 - 2000**

- Instructed 15-20 graduate and undergraduate students in the Plants curricula and GIS.
- Supervised newer graduate teaching fellows and contributed significantly to curriculum development.

**Nurseryman/Equipment Operator, Plant World Inc., Albuquerque, NM; 1993 - 1994**

- Salesperson, nurseryman, heavy equipment operator, and delivery person for the largest horticultural supply center in New Mexico at the time.

**Landscape Crew Foreman, Heads Up Landscaping, Albuquerque, NM; 1992 - 1993**

- Hired into the foreman training program and running a crew within six months.
- Numerous responsibilities including crew training, communication, and coordination.
- Irrigation installation, heavy equipment operation, and daily paperwork, working primarily on US Federal Air Force and National Laboratory installations

**Greenhouse Assistant, Harvest Hill Gardens, Geneva, NY; 1991 - 1992**

- Performed a variety of horticultural, sales display, and grounds maintenance tasks for a family-owned 21 greenhouse nursery in rural New York.

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**COMMUNITY SERVICE**

- Cascade Pacific Resource Conservation & Development Board of Directors, Oregon, October 2013-Present
- BRING Recycling Board of Directors, Eugene, Oregon, September 2012-November 2015
- Oregon Country Fair, Lane County, Oregon, 1997-present
- Lane County Food Policy Council, Eugene, Oregon, 2007-2011
- Growers Market Board of Directors, Eugene, Oregon, 1997-98

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## PUBLICATIONS

- Evers C., S. Boles, D. Johnson-Shelton, D. Richey, J. Blair. "Parent Safety Perceptions of Child Walking Safety." *Journal of Transport and Health*, Volume 1, Issue 2, June 2014, Pages 108–115.
- Richey, D., "Land Ownership"; Richey, D., "USGS Topographic maps"; C. Enright, D. Hulse, D. Richey, "Soils"; Richey, D., J. Goicochea Dulcos, "General Land Use Zoning"; in *Willamette River Basin: Trajectories of Environmental and Ecological Change* (2002) Pacific Northwest Ecosystem Research Consortium, Hulse, D., S. Gregory, & J. Baker, (eds.) Corvallis, OR: OSU Press .
- Poole, K., D. Richey, et al, (2002) "Building Ecological Understandings in Studio" in *Ecology and Design: Frameworks for Learning* Johnson, B. & K. Hill (eds.), Washington D.C: Island Press
- Hulse, D., L. Goorjian, D. Richey, et al, *Possible Futures for the Muddy Creek Watershed, Benton County, Oregon*, (1997) University of Oregon: Institute for a Sustainable Environment

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## PRESENTATIONS & POSTERS

- "Using ESRI Mobile Applications for Water Quality Source Protection." AWWA/PNCWA Cascade to Coast Short School, March 1, 2023.
- "Managing Spatial Analysis Projects" (presentation, guest speaker). GIS Sciences I, University of Oregon, May 22, 2017.
- "Using Collector for ArcGIS Online and Python Toolbox to Facilitate Riparian Condition Assessment" (presentation) Southern Willamette Valley GIS Users Group Quarterly Meeting, August 31, 2016, Salem, Oregon.
- "Geography of Food" University of Oregon GIS Day (presentation to area high school students); November 2014, Eugene, Oregon.
- "Estimating Riparian Canopy Cover for the McKenzie Voluntary Incentive Program" (presentation) Southern Willamette Valley GIS Users Group Quarterly Meeting, May 2012, Eugene, Oregon.
- "Built Environment, Perceptions of Risk, and Safe Routes to School" (presentation) Bicycle Transportation Alliance, Oregon Active Transport (OATS) Conference, April 2012, Salem Oregon. [<http://oat-summit.com/>].
- "Active Neighborhoods: Connecting Kids to School" (poster) Transportation Research Board, 2010, Washington D.C. [<http://www.trb.org>].
- "Measuring Children's Activity & Food environments: Community-Based Participatory Research" (poster) International Conference on Diet and Activity Methods, 2009, Washington D.C. [<http://www.icdam.org/>].
- "Evaluating Residential Development Impacts to Drinking Water Quality in the McKenzie River Watershed" (presentation) Water & Land Use in the Pacific Northwest, 2009, Skamania, Washington [<http://conferences.wsu.edu/conferences/waterland>].
- "Communities and Schools Together for Obesity Prevention" (presentation) Urban and Regional Information Systems Association, 2009, Anaheim, California.
- "Watershed Modeling for Drinking Water Source Protection in the McKenzie Watershed" (poster) Water & Land Use in the Pacific Northwest, 2007, Skamania, Washington [<http://conferences.wsu.edu/conferences/waterland>].
- "A Simple Nitrate Budget Model for the Southern Willamette Valley Groundwater Management Area" (poster) Water & Land Use in the Pacific Northwest, 2007, Skamania, Washington [<http://conferences.wsu.edu/conferences/waterland>].
- "Design & Prioritized Implementation of Woody Riparian Buffers for Increasing Effective Shade in Small Agricultural Watersheds in the Willamette Valley" (poster) Riparian Ecology & Management in Multi-land Use Watersheds, American Water Resources Association, 2000, Portland, Oregon.



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Reservoir Cleaning: An Operators Perspective

Presenter: Jared Giacomelli Title: Lead Water Treatment Operator

Employer: Eugene Water and Electric Board Address: 3957 Hayden Bridge Road

City: Springfield State: OR Zip: 97477 Phone: 541-971-5840

Summary of Lesson content: Review of how the Hayden Bridge Treatment Plant cleaned and inspected their 15MG reservoir while keeping the tank in service. Overview of the planning and contingencies put in place. Background of why the tank needed to remain in service. Overview of how the cleaning went.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Water Treatment Plant Operator at Hayden Bridge for 16yrs.

Education (High School, Upgrades, Colleges and Degrees): Water/Wastewater Technology at Linn Benton.

Professional Registration/Certification: Water Treatment Operator Level 4 with FE. Distribution Level 4.

Related papers/instruction you have presented:

Title: Cascade to Coast O&M Seminar Date: October 2018 Event: \_\_\_\_\_

Title: EWEB's Mobile Water Treatment Fac Date: November 2021 Event: Oregon Operators Conference Roseburg OR

Professional Organizations/Activities:

\_\_\_\_\_ Date: \_\_\_\_\_

AWWA Cascade to Coast Subsection member. Date: 2010-Present

Course sponsor: AWWA Cascade to Coast Subsection

Signature of Instructor: Jared Giacomelli Digitally signed by Jared Giacomelli Date: 2026.01.14 11:27:51 -08'00' Date: 1-14-2026

**DO NOT WRITE BELOW THIS LINE**

Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

Return Completed Form To: OESAC CEU COMMITTEE  
P.O. Box 577  
Canby, OR 97013-0577  
Email: [info@oesac.org](mailto:info@oesac.org)  
Phone: 503-698-6486



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Water Rights Explained

Presenter: Natalie Jennings, CWRE Title: Principal Engineer

Employer: OWRSP Address: 2090 Popcorn Ct. NW

City: Salem State: OR Zip: 97304 Phone: 702-759-9206

Summary of Lesson content: This will explain how water rights work, what the terms mean, and how to know what actions your system needs to take to keep their water rights current.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Certified Water Rights Examiner who specializes in water rights problem solving and paperwork

Education (High School, Upgrades, Colleges and Degrees): Purdue University B.S. Civil Engineering, Oregon State University Masters of Engineering in Water Resources

Professional Registration/Certification: 89834PE, 89834CWRE (Oregon)

Related papers/instruction you have presented:

Title: N/A Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: PNCWA Date: 2025

ACSE Date: 2025

Course sponsor: \_\_\_\_\_

Signature of Instructor: 03a416db-bf49-4da6-a3fb-0c08da43cac2 Date: 12/10/25

Digitally signed by 03a416db-bf49-4da6-a3fb-0c08da43cac2  
DN: CN=03a416db-bf49-4da6-a3fb-0c08da43cac2  
Reason: I am the author of this document  
Location: Natalie Jennings  
Date: 2025.12.10 15:37:17-08'00'  
Font: PDF Editor Version: 2025.2.0

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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Vendor Tour

Presenter: Moderator: Lisa Erkert Title: Environmental Specialist I

Employer: EWEB Address: 3957 Hayden Bridge Rd

City: Springfield State: OR Zip: 97477 Phone: 541-685-7124

Summary of Lesson content: Interactive time for attendees to learn about new technologies, equipment, and useful tools for water and wastewater sectors by taking a tour of this year's vendors. Signatures from vendors checked and then schedule card will be stamped for attendance.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Three years experience at Delta Environmental operating small wastewater & public water systems and six years in source protection/water quality with EWEB.

Education (High School, Upgrades, Colleges and Degrees): Bachelor of Science in Environmental Science at the U of O

Professional Registration/Certification: Wastewater Collection level 1, Wastewater Treatment level 1, Water Treatment level 1

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: PNWS-AWWA Cascade to Coast Subsection

Signature of Instructor: Lisa Erkert Digitally signed by Lisa Erkert Date: 2025.02.06 11:44:52 -08'00' Date: 2/6/25

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Preparing for a Survey

Presenter: Nicholas Alviani Title: Natural Resource Specialist

Employer: Oregon Health Authority Address: 2080 Laura St.

City: Springfield State: OR Zip: 97477 Phone: 5415106836

Summary of Lesson content: Presentation consists of topics related to and preparation for a water system survey.

This includes survey requirements, preparing for a survey, tips for success, survey follow up, and outstanding performance

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Regional Technical Services staff for Region 2 at OHA, DWS

Knowledge of Oregon Drinking Water rules and regulation OAR 333-061 and water system surveys in Oregon

Education (High School, Upgrades, Colleges and Degrees): Bernards High School (New Jersey),

Bachelor of Science from University of Vermont, Fellow at International Food Protection Institute

Professional Registration/Certification: Registered Environmental Health Specialist in Oregon

Related papers/instruction you have presented:

Title: Preparing for a Water System Survey Date: 10/22/25 Event: OAWU 2025 Fall Operator's Conference

Title: Significant Deficiency and Unmet Rule Date: 5/19/25 Event: Drinking Water Partners' Spring Training 2025

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: Nicholas Alviani Digitally signed by Nicholas Alviani Date: 2025.12.31 14:57:39 -08'00' Date: 12/31/25

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: PFAS Drinking Water Rule Overview

Presenter: Gregg Baird Title: Emerging Contaminants Specialist

Employer: Oregon Health Authority Address: 800 NE Oregon St. Suite 640

City: Portland State: OR Zip: 97232 Phone: 503-936-1657

Summary of Lesson content: This presentation will provide an overview of the new PFAS drinking water regulations that were finalized April 2024. Topics covered include the new MCLs, monitoring requirements, compliance determinations, treatment options, implementation timelines, and funding available to address PFAS and other emerging contaminants.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Have worked for Oregon Health Authority, Drinking Water Services for 16 years (11 yrs as a public water system regulator and 5 yrs as the Emerging Contaminants Specialist).

Education (High School, Upgrades, Colleges and Degrees): High School diploma (1991), B.S in Soil Science from Oregon State University (1995).

Professional Registration/Certification: Registered Environmental Health Specialist (REHS) since 2000 - License# EH-S-224131

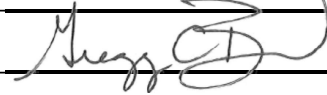
Related papers/instruction you have presented:

Title: Emerging Contaminants in DW Date: 4/9/24 Event: Cascade to Coast Short School - Lebanon

Title: Emerging Contaminants in DW Date: 7/9/24 Event: Waterworks Short School - Oregon City

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: PNWS-AWWA/PNCWA Cascade to Coast Short School

Signature of Instructor:  Date: 12/2/24

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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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## Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: CHEMICALS IN WATER & WASTEWATER APPLICATIONS

Presenter: Jeff Zachman Title: Technical Sales

Employer: Cascade Columbia Distribution Address: 14200 SW Tualatin Sherwood Rd

City: Sherwood State: OR Zip: 97140 Phone: 971-253-9215

Summary of Lesson content: Practical applications of various Chemicals in Water & Wastewater.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Numerous Instructor engagements. Over 35 years Industry e;

Education (High School, Upgrades, Colleges and Degrees): BS Chemistry, MBA

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities:

\_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: \_\_\_\_\_ Date: 8/12/21

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Canby, OR 97013-0577

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Phone: 503-698-6486

# Cascade Columbia Distribution Company

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PORTLAND WAREHOUSE 14200 SW Tualatin-Sherwood Rd, Sherwood, OR 97140

ORDERS: 503-625-5293 Toll Free: 877-625-5293 Fax: 503-625-4335

SEATTLE WAREHOUSE/BILLING ADDRESS 6900 Fox Avenue South, Seattle, WA 98108

SPOKANE 6308 E. Sharp Avenue, Spokane, WA 99219

## Water Operators Short School

# Chemicals in Water and Wastewater Applications

J.Zachman

### 1) Chlorine Options

**Gas, Sodium Hypochlorite, Calcium Hypochlorite, Sodium Dichloro-s-Triazinetrione (Di-Chlor, Tri-Chlor), Salt Generation.**

### 2) pH Control

**Soda Ash (NaCO<sub>3</sub>), Sodium Bicarbonate NaH(CO<sub>3</sub>)<sub>2</sub>, Caustic Soda, Lime (Hydrated and Quick Lime), Magnesium Hydroxide Mg(OH), Calcium Carbonate (AquaCal). CO<sub>2</sub>, Sulfuric Acid NSF (93%, 50%)  
Caustic Soda, 50%, 25%, Low Freeze**

### 3) De-Chlorination

**SO<sub>2</sub>, Sodium Bisulfite, Sodium Metabisulfite, Calcium Thiosulfate, Ascorbic Acid (Vitamin C), Hydrogen Peroxide**

### 4) Fluoridation

**Sodium Fluoride, Sodium Silicofluoride, Hydrofluorsilicic Acid**

### 5) Coagulants and Flocculants

**Inorganic – Alum, Ferric Chloride, PolyAluminumChloride (PAC)  
Alum/PAC/Poly Blends**

**Organic Polymers – Poly Amines, Poly DADMAC – Solution Polymers  
SuperFloc 573C/8105 Type**

**Flocculants – High Molecular Weight Polyacrylamides**

**Cationic De-Watering Polymers**

**Non-Ionic Filter Aids**

**Anionic**

**Filter Back-wash Water Settling**

**Jar Testing**

**Make-Down Systems**

### 6) Algae Control, Iron Bacteria

**EarthTec Cupric Sulfate**

**Algae Control, Duck Weed, Necartia (Filamentaceous Bacteria)**

### 7) Taste & Odor

**VOC's, HAA5's – Oxidative By-products**

**Powdered/Granular Activated Carbon (Adsorbtion)**

**Potassium Permanganate, Sodium Permanganate, EarthTech Cupric Sulfate**

**Ozone, Hydrogen Peroxide, Chlorine Dioxide**

**8) Chlorine Dioxide Generation**

**THM & HAA5 Control; Fe & Mn Control;  
Taste & Odor Control; CT Compliance:  
Nitrification Control Distribution System  
Cryptosporidium; Color & Algae Control**

**9) Odor Control**

**Hydrogen Sulfide Control  
Oxygen Infusion, Hydrogen Peroxide  
Calcium Nitrate, Chemical Control, Ferric Chloride  
Masking Agents, d-Limonene**

**10) Filtration Media**

**Anthracite Coal  
Activated Carbon  
Diatomaceous Earth**

**11) Iron & Manganese and Corrosion Control**

**Sequestering/Corrosion Control Agents – Ortho/Poly/Zinc Phosphates  
Filtration – Green Sand Filter  
Oxidative Precipitation – Potassium Permanganate, Chlorine, Hydrogen Peroxide**

**12) Membrane Cleaning Chemicals**

**Citric Acid, Phosphoric Acid – Inorganics; Caustic Soda – Organics; Alkaline  
Cleaner; Sodium Hypochlorite – Disinfection**

**13) Miscellaneous**

**Enzymes – Aerobic Digestion  
De-Greasers  
Defoamers**

**Jeff Zachman  
Cascade Columbia Distribution  
14200 SW Tualatin Sherwood Rd. | Sherwood, OR 97140  
Cell: 971.253.9215 | Office/Fax 503.432.8450  
Warehouse/Orders: 503.625.5293 | Fax: 503.625.4335  
[jeffz@cascapecolumbia.com](mailto:jeffz@cascapecolumbia.com)**



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Hydraulic Impacts of PFAS Treatment

Presenter: Joshua Justice Title: P.E.

Employer: HDR Inc. Address: 1455 NW Irving Street, Suite 800

City: Portland State: OR Zip: 97209 Phone: 503-333-9539

Summary of Lesson content: Overview of pump curves and how to read them, brief summary of different PFAS treatment options, impacts of PFAS treatment to pump hydraulics, and modifications / options available to address additional headloss generated by PFAS treatment.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: 10 years of engineering experience in the water / wastewater industry, with a focus on hydraulics and pump / pump station design.

Education (High School, Upgrades, Colleges and Degrees): B.S. in Mechanical Engineering, Minor in Mathematics, Washington State University

Professional Registration/Certification: Registered Mechanical Engineer (P.E.) in California, Nevada, Oregon, and Washington.

Related papers/instruction you have presented:

Title: Hydraulic Impacts of PFAS Treatment Date: 2025-12-10 Event: AWWA PNWS Lower Columbia Well Rehabil

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: \_\_\_\_\_ Date: \_\_\_\_\_

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Phone: 503-698-6486



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Green Peter Drawdown Project

Presenter: Chris Germond Title: Water Treatment Supervisor

Employer: City of Albany Address: 33883 Berry Dr. NE

City: Albany State: OR Zip: 97322 Phone: 5417042309

Summary of Lesson content: Green Peter Drawdown plan, impacts and future.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: I have been a WTP Operator for 9 years and Water Treatment Supervisor for 15 years. We draw water from South Santiam which is affected by the drawdown.

Education (High School, Upgrades, Colleges and Degrees): High School, AAS Water/Wastewater Technologies

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: AWWA Cascade to Coast Subsection Committee Date: 2022 - Present

Date: \_\_\_\_\_

Course sponsor: Me, myself and I

Signature of Instructor: Chris Germond Digitally signed by Chris Germond Date: 2025.02.27 13:49:56 -08'00' Date: 2/27/2025

**DO NOT WRITE BELOW THIS LINE**

Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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Phone: 503-698-6486



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Modified Tracer Testing Methodology for Long Detention Times

Presenter: Andrew Nishihara Title: Principal Engineer

Employer: Stantec Address: 601 SW 2nd Ave. Ste. 1400

City: Portland State: OR Zip: 97204 Phone: 503-220-5432

Summary of Lesson content: Background and overview of disinfection calculations and different ways clearwells or water storage tanks can be tested to verify hydraulic efficiencies.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Professional Civil Engineer with over 18 years of water industry experience, specializing in drinking water treatment. Have completed over a dozen tracer tests throughout the US

Education (High School, Upgrades, Colleges and Degrees): B.S. Bioengineering, Oregon State University

Professional Registration/Certification: Professional Engineer - Civil; Oregon, Washington, Idaho, New Mexico, Arizona, New Mexico, Nevada

Related papers/instruction you have presented:

Title: Modified Tracer Testing Methodology Date: July 2025 Event: PNWS-AWWA Clackamas CC Short School

Title: PFAS Treatment Date: July 2025 Event: PNWS-AWWA Clackamas CC Short School

Professional Organizations/Activities: \_\_\_\_\_ Date: \_\_\_\_\_

American Waterworks Association member; PNWS AWWA Research Past Chair \_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: Nishihara, Andrew Digitally signed by Nishihara, Andrew  
Date: 2026.01.22 08:47:16 -08'00' \_\_\_\_\_ Date: \_\_\_\_\_

**DO NOT WRITE BELOW THIS LINE**

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Operational Optimization as Part of Effective Utility Management

Presenter: Kimberleigh (Kim) Reid Title: Plant Manager/Project Leader

Employer: Veolia Address: 10350 SW Arrowhead Creek Lane

City: Wilsonville State: OR Zip: 97070 Phone: 503-826-2633

Summary of Lesson content: Water industry operators should always strive to improve. To aid with that goal, EPA and professional associations developed a primer "Effective Utility Management." One pillar of ten is Operational Optimization

Includes strategies for resource efficiencies, adopting new technologies, measuring success by engaging all staff.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Operations management including chemical, energy, maintenance budgets; regulatory compliance - adherence to water quality standards.

Education (High School, Upgrades, Colleges and Degrees): BS Carroll University; MS Environmental Engineering from Georgia Institute of Technology

Professional Registration/Certification: Oregon WTO 4 #371621

Related papers/instruction you have presented:

Title: Intermediate Ozone Disinfection Date: 7/15/2025 Event: Operator Short School at CCC

Title: Asset Management at WRWTP Date: 1/24/2024 Event: AWWA/PNWS Utility Mgmt Workshop

Professional Organizations/Activities: AWWA/PNWS Utility Management and Water Treatment Committees Date: 2018-present

Date: \_\_\_\_\_

Course sponsor: AWWA/PNCWA Cascade to Coast Short School

Signature of Instructor: *Kimberleigh Reid* Date: 01/25/2026

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Phone: 503-698-6486



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: The Interconnection Between Permit Extensions of Time and WMCPs.

Presenter: Kerri Cope Title: Water Management and Conservation Analyst

Employer: OWRD Address: 725 Summer St. NE

City: Salem State: OR Zip: 97301 Phone: 503-979-9544

Summary of Lesson content: Permit Extensions of Time and WMCPs are interconnected because an extension preserves the timeline to develop a water right, while a WMCP can establish conservation requirements and other conditions that govern how that right is exercised. WMCPs also ensure that development is paired with accountability and efficient water

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Kerri has been with OWRD since 2014 in several roles with OWRD, including as a water rights and transfer caseworker and in her current role for the past ten years.

Education (High School, Upgrades, Colleges and Degrees): BS and MS in Geology

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities: AWWA, WateReuse Date: \_\_\_\_\_

Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: Kerri Cope Digitally signed by Kerri Cope Date: 2026.01.22 08:14:54 -08'00' Date: \_\_\_\_\_

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# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Albany WTP's Tours

Presenter: Chris Germond Title: Water Treatment Plant Supervisor

Employer: City of Albany Address: 33883 Berry Dr. NE

City: Albany State: OR Zip: 97322 Phone: 541-704-2309

Summary of Lesson content: Tour of the AM and Vine St. WTP at the City of Albany.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: 16 years experience in Water Treatment. 11 years experience at the City of Albany WTP's.

Education (High School, Upgrades, Colleges and Degrees): High School, AAS Water/Wastewater Technologies

Professional Registration/Certification: Water Treatment Level IV, FE

Related papers/instruction you have presented:

Title: Albany WTP Tour Date: May/2024 Event: C2C Short School

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities:

\_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: \_\_\_\_\_

Signature of Instructor: Chris Germond Digitally signed by Chris Germond Date: 2025.12.11 14:39:22 -08'00' Date: 12/11/2025

**DO NOT WRITE BELOW THIS LINE**

Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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P.O. Box 577  
Canby, OR 97013-0577  
Email: [info@oesac.org](mailto:info@oesac.org)  
Phone: 503-698-6486



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Wastewater Collections Operator Exam Prep

Presenter: Brian Stevens Title: Operations Specialist

Employer: Oregon Environmental Solutions Address: 89731 Indian Creek Rd

City: Swishhome State: OR Zip: 97480 Phone: 541-720-5179

Summary of Lesson content: This class will briefly discuss the certification process as well as state rules regarding certification. We will then pivot into helpful tips and tricks in studying for and taking the certification exam. The class will then move to a practice exam format featuring multiple choice test questions similar to what would be found on the exam.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: 19 years experience in wastewater treatment and collections. Grade IV Oregon Wastewater Collections Certificate.

Education (High School, Upgrades, Colleges and Degrees): High school graduate. Graduated from LBCC with an AAS in Water/Wastewater Tech. Department Chair of the WET program at LBCC for four years.

Professional Registration/Certification: WW Treatment Grade IV, WW Collections Grade IV both with the State of Oregon

Related papers/instruction you have presented:

Title: Utility Operator Math Review Date: May 2025 Event: Cascade to Coast/PNCWA Short School

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities:

\_\_\_\_\_ Date: \_\_\_\_\_

Secretary/Treasurer for the WCOS of the PNCWA \_\_\_\_\_ Date: since 2021

Course sponsor: Cascade to Coast/WCOS PNCWA Short School held in Albany, OR

Signature of Instructor: *Brian Stevens* Date: 01/26/2026

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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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Phone: 503-698-6486



## Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Operator Roundtable  
Presenter: Brian Stevens Title: Operation Specialist  
Employer: Oregon Environmental Solutions Address: 89731 Indian Creek Rd  
City: Swisshome State: OR Zip: 97480 Phone: 541-720-5179

Summary of Lesson content: This course will provide a collaborative space for wastewater operators to discuss current issues the community is experiencing. Topics will include regulatory changes, operational efficiencies, workforce issues, energy savings, and more.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Eighteen years experience in water and wastewater. Four years teaching Environmental Technology at LBCC. Eight years of laboratory technician experience.

Education (High School, Upgrades, Colleges and Degrees): AAS Water/WW Technology from LBCC.  
Siuslaw High School graduate (2005).

Professional Registration/Certification: Oregon WW Treatment IV, Oregon WW Collections IV

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_  
Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities:

\_\_\_\_\_  
Date: \_\_\_\_\_  
West Central Oregon Section PNCWA  
Date: Since 2017

Course sponsor: Cascade to Coast Section of the AWWA

Signature of Instructor: [Signature] Date: 02/21/2025

**DO NOT WRITE BELOW THIS LINE**

Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Title:**

Control Valve Function, Maintenance, and Troubleshooting

**Duration :** 1.5hrs

**Abstract:**

This class will include basic hydraulics, valve function, pilot system function, valve components, pressure reducing valves, maintenance, as well as troubleshooting on hydraulic control valves. This class serves as a prerequisite for more in-depth control valve education and is designed for those new to the industry, new to control valves themselves, or those who would like a review on the topic.

**CEU Relevancy Statement:**

Automatic control valves and maintenance are a vital aspect of a functioning water system. Proper understanding and maintenance practices will aid in ensuring proper valve performance and prevent valve failure which affects system reliability, community safety, resource (water) protection, and resource conservation. Hydraulic control valves remain a mystery to a majority of operators. This class is designed to build a fundamental familiarity with valve function and piloting systems. When maintenance or troubleshooting is needed, operators are able to approach the valves in an educated fashion and apply remote instruction/support if required.

**Primary Job Responsibilities:**

Patrick works closely alongside water and wastewater district operators, engineers, and independent engineering firms to select valves and specific valve functions for the wide range of applications. With 33,000+ possible combinations of control valves available, engineers and operators often need assistance in understanding valve capabilities, applications, maintenance, and troubleshooting. Cimco-GC Systems has been supporting the PNW water/wastewater industry for over 40 years.

**Instructor Bio:**

Patrick Miller has been in intensive training in valve dynamics and hydraulics since January of 2023. He works with the Cimco-GC Systems' Cla-Val Service Team rebuilding, inspecting, and troubleshooting control valves. He meets regularly with engineers to aid with valve design and selection. Patrick continues to support water and wastewater utilities with their specialty valves, pipe locating, and leak detection.

**Timeline:**

1:00 - 1:15 : Introduction

1:15 - 1:30 : Basic Hydraulics overview

1:30 - 1:45 : Valve function

1:45 - 2:00 : Pressure reducing valves

2:00 – 2:15 : Control Valve Maintenance

2:15 - 2:30 : Troubleshooting common automatic control valves



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Five-Years Later: Recovery and Restoration Following the Holiday Farm Fire

Presenter: Nancy Toth Title: Senior Environmental Specialist

Employer: Eugene Water & Electric Board Address: 4200 Roosevelt Blvd

City: Eugene State: OR Zip: 97402 Phone: 541-685-7438

Summary of Lesson content: A look back at recovery and restoration efforts in the McKenzie Watershed following the 2020 HFF that burned over 20% of the watershed. EWEB worked together with the MWC, UWSWCD, MRT & others to conduct post-fire property assessments & provide assistance to mitigate erosion, replant on steep banks, control invasive species

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Source water protection, post-fire assessment, riparian restor

Education (High School, Upgrades, Colleges and Degrees): BA Geography, Dartmouth College; MS Environmental Studie

Professional Registration/Certification: \_\_\_\_\_

Related papers/instruction you have presented:

Title: Holiday Farm Fire: Response & Reco Date: March 2023 Event: AWWA Sustainable Water Management Conf

Title: Pure Water Partners Program Date: May 2024 Event: Oregon Resilience Summit

Professional Organizations/Activities: AWWA Water Resources Sustainability Division, Trustee Date: 2023-2025

AWWA Source Water Protection Committee, past chair Date: 2020-2023

Course sponsor: \_\_\_\_\_

Signature of Instructor: Nancy Toth Digitally signed by Nancy Toth Date: 2026.01.14 21:09:06 -08'00' Date: 1/14/2026

**DO NOT WRITE BELOW THIS LINE**  
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Canby, OR 97013-0577



# Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Water Operators Roundtable

Presenter: Moderator: Lisa Erkert Title: Environmental Specialist I

Employer: EWEB Address: 3957 Hayden Bridge Rd

City: Springfield State: OR Zip: 97477 Phone: 541-685-7124

Summary of Lesson content: Interactive course to have water operators discuss technologies, equipment, processes that contributed to plant/operations improvements. Also discuss common issues at water treatment plants and distribution systems to learn from others to make improvements.

Professional Background: ( Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Three years experience at Delta Environmental operating small wastewater & public water systems and six years in source protection/water quality with EWEB.

Education (High School, Upgrades, Colleges and Degrees): Bachelor of Science in Environmental Science at the U of O

Professional Registration/Certification: Wastewater Collection level 1, Wastewater Treatment level 1, Water Treatment level 1

Related papers/instruction you have presented:

Title: \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Title \_\_\_\_\_ Date: \_\_\_\_\_ Event: \_\_\_\_\_

Professional Organizations/Activities:

\_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

Course sponsor: PNWS-AWWA Cascade to Coast Subsection

Signature of Instructor: Lisa Erkert Digitally signed by Lisa Erkert Date: 2025.02.06 11:43:07 -08'00' Date: 2/6/25

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Date Evaluated: \_\_\_\_\_ By: \_\_\_\_\_ Approved: Yes \_\_\_\_\_ No \_\_\_\_\_

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