

**Engineers Without Borders
El Salvador Project Coordinator**

**09/2006 to 03/2010
Corvallis, Oregon**

- Designed a gravity fed water system and coordinated the installation in rural El Salvador.
- Constructed a rainwater catchment system, collected site data for future trips, and distributed point-of-use water filters in two communities of El Salvador.

Education

M.S. Environmental and Civil Engineering

2012

University of California at Davis

Davis, California

B.S. Chemical Engineering, Minor in Business Entrepreneurship

2010

Oregon State University

Corvallis, Oregon

Licenses

Licensed and Registered Professional Chemical Engineer – State of Oregon

Technical Skills

AFT Fathom, Win Hydro, Pro2D, PIPE-FLO Profession, PIPE-FLO Advantage, ChemCAD, Fortran, AutoCAD Inventor, and SolidWorks



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

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
Phone: 503-698-6486



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Compliance Pitfalls

Presenter: Johnny Leavy Title: Water Reclamation Division Manager

Employer: City of Medford Address: 1100 Kirtland Road

City: Central Point State: OR Zip: 97502 Phone: 541-774-2750

Summary of Lesson content: Regulatory permits contain a multitude of monitoring, reporting, and recordkeeping requirements - often stated directly but sometimes incorporated by reference. The devil is in the details, and what you don't know (or don't do) can hurt you.

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: Manager of a 20-MGD directly responsible for NPDES permit compliance. Previous roles include wastewater lab supervisor, pretreatment program coordinator, and WWTP operator.

Education (High School, Upgrades, Colleges and Degrees): AAS Industrial Electronics

Professional Registration/Certification: Grade IV WW Treatment Certification, Grade II WW Collection Certification

Related papers/instruction you have presented:

Title: Anticipating and Integrating New Perr Date: 25-Jul-2024 Event: 2024 ACWA Annual Conference

Title: Compliance Pitfalls Date: 20-Sep-2023 Event: So.Or. PNCWA UBOS W&WW Short School

Professional Organizations/Activities:

Oregon Association of Clean Water Agencies, Vice Chair Date: Jul.'24 - Current

Oregon Association of Clean Water Agencies, Treasurer Date: Jul.'23 - Jul.'24

Course sponsor: _____

Signature of Instructor: Johnny Leavy Digitally signed by Johnny Leavy
Date: 2025.02.14 16:19:37 -08'00' Date: 14-Feb-2025

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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: Certification Basics and Your DEQ Online at the Cascade to Coast Short School

Presenter: Tiffany Yelton Bram Title: Manager

Employer: Oregon Dept of Environmental Quality Address: 700 NE Multnomah St., Suite 600, Portland OR 97218

City: Portland State: OR Zip: 97218 Phone: 503 229 5219 or 503 975 0046

Summary of Lesson content: Certification Basics: This one hour presentation provides an overview of the process for getting certified as a Wastewater Operator in Oregon. Your DEQ Online: covers the new use

of this platform for Water Quality Permit monitoring reports

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've managed the program and staff for the past 10 years

Education (High School, Upgrades, Colleges and Degrees): Bachelors of Arts in Environmental Policy from The Evergreen State College and 34 years in state and local government environmental programs

Professional Registration/Certification: Certificates in Business Administration and Project Management

Related papers/instruction you have presented:

Title: _____ Date: _____ Event: _____

Title: _____ Date: _____ Event: _____

Professional Organizations/Activities: _____ Date: _____

_____ Date: _____

Course sponsor: _____

Signature of Instructor: Tiffany Yelton Bram Digitally signed by Tiffany Yelton Bram
Date: 2025.01.28 14:54:09 -08'00' Date: _____

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Professional Registration/Certification: Certificates in Business Administration and Project Management

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Professional Organizations/Activities: _____ Date: _____

_____ Date: _____

Course sponsor: _____

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Date: 2025.01.28 14:54:09 -08'00' Date: _____

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Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Applying SANS Critical 5 Cybersecurity Controls for Water Utility Systems

Presenter: Dr. Kenneth G. Crowther Title: Product Cybersecurity Leader

Employer: Xylem Inc Address: 12424 Graham Meadows Drive

City: Richmond State: VA Zip: 23233 Phone: 804-201-1039

Summary of Lesson content: 6 small lesson segments with mini-exercises that can be completed; will cover introductory materials about the value and purposes of cybersecurity; then will have one module for each of the SANS Critical 5 cybersecurity controls. Those attending will leave with a holistic, but simple-to-remember mental model with application.

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: As a product security leader, I organize, train, evaluate, explain, and continuously assess cybersecurity of industrial automation and control equipment for the water sector.

Education (High School, Upgrades, Colleges and Degrees): PhD Systems Engineering (focus: risk management of complex systems); certificates from Sandia National Labs and MITRE for cybersecurity of industrial control systems

Professional Registration/Certification: n/a

Related papers/instruction you have presented:

Title: Protecting Connected, Digital Tech Date: 24-SEP-2024 Event: Digital Water Summit (Washington DC)

Title: Security by Design Date: 23-April-2024 Event: Cyber-Secure Water Plants (Atlanta, GA)

Professional Organizations/Activities:

AWWA Emergency Preparedness and Cybersecurity Committee Date: 2022 - 2025

SAE G-32 Cybersecurity of Cyber Physical Systems Standards Committee Date: 2019 - 2025

Course sponsor: David Olson

Signature of Instructor: DN: ou=Verified Email: kenneth.crowther@xylem.com, email=kenneth.crowther@xylem.com, 0.9.2342.19200300.100.1.1=A01410D00000183AD8C65B30000FDC0
Date: 2025.02.05 16:54:49 -05'00'

Date: _____

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Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Activated Sludge Treatment Basics

Presenter: Jonathan Gasik, MS, PE

Title: Wastewater Engineer

Employer: Retired. Formerly Oregon DEQ

Address: 265 Tiffany Avenue

City: Central Point

State: OR

Zip: 97502

Phone: 541-840-5022

Summary of Lesson content: An overview of the history of activated sludge treatment development, activated sludge treatment theory, and activated sludge treatment facility configurations.

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: Cascade to Coast Oregon Operators Conference

Signature of Instructor: *Jonathan Gasik*

Date: 2/26/2025

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Date Evaluated: By: Approved: Yes No

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Jonathan Gasik, MS, PE

Jon has been a senior environmental engineer with the Oregon Department of Environmental Quality since 1994. Jon has a bachelor's degree in biochemistry from the University of California at Los Angeles and a master's degree in Civil Engineering from the University of Southern California. Jon is an Oregon registered professional engineer and has a certificate in project management from Portland State University. Prior to his current position, Jon has been a hazardous waste inspector, a pollution liability specialist, and a laboratory supervisor.

Jon is a principle author of the following DEQ documents:

- Preparing Hauled-Waste Acceptance Plans, October 2015 (Oregon ACWA and Oregon DEQ)
- Natural Treatment Systems – A Water Quality Match for Oregon's Cities and Towns (A report on Natural Treatment Systems prepared jointly by Oregon DEQ and the Oregon ACWA, July, 2014)
- Guidelines for the Preparation of Wastewater Planning Documents (Oregon DEQ, 2013).
- Preparation of Operations and Maintenance Manuals for Domestic Wastewater Treatment Facilities (Oregon DEQ, 2012)
- Instructions for Completing Discharge Monitoring Reports (DMRs) (Oregon DEQ, 2012)
- Internal Management Directive for implementing Oregon's Recycled Water Use Rules (Oregon DEA, 2009). System design section.
- Oregon Standards for Design and Construction of Wastewater Pump Stations (Oregon DEQ, 2001)

Jon has presented the papers above at PNCWA conferences and short schools, and has also instructed courses on NPDES basics, laboratory QA, TMDLs, and other topics at various gatherings.

Professional Organizations:

- Oregon Registered Professional Engineer 17037
- Water Environment Federation
- Pacific Northwest Clean Water Association
- South Central Oregon Section of The Pacific Northwest Clean Water Association



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Activated Sludge Process Control

Presenter: Jonathan Gasik, MS, PE Title: Wastewater Engineer

Employer: Retired - Formerly Oregon DEQ Address: 265 Tiffany Avenue

City: Central Point State: OR Zip: 97502 Phone: 541-840-5022

Summary of Lesson content: This class is based on Michigan DEQ's training manual for wastewater treatment plant operators "Activated Sludge Process Control". The class covers calculations of organic loading, food-to-microorganism ratio, cell residence time, and wasting; and using of settlometer, OUR, and microscopic examination.

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: Cascade to Coast Oregon Operators Conference - PNCWA

Signature of Instructor: *Jonathan Gasik* Date: 2/26/2025

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- Preparation of Operations and Maintenance Manuals for Domestic Wastewater Treatment Facilities (Oregon DEQ, 2012)
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Professional Organizations:

- Oregon Registered Professional Engineer 17037
- Water Environment Federation
- Pacific Northwest Clean Water Association
- South Central Oregon Section of The Pacific Northwest Clean Water Association



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Activated Sludge Process Control - Practical Workshop

Presenter: Jonathan Gasik, MS, PE Title: Wastewater Engineer

Employer: Retired - Formerly Oregon DEQ Address: 265 Tiffany Avenue

City: Central Point State: OR Zip: 97502 Phone: 541-840-5022

Summary of Lesson content: This workshop is a practical continuation of "Activated Sludge Process Control". It

will include three 40 minute sessions at the wastewater treatment plant: A) plant walkthrough with use of

sludge judge and DO measurements, B) microscopic examination, and C) Settrometer, OUR, and calculations.

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: Cascade to Coast Oregon Operators Conference - PNCWA

Signature of Instructor: *Jonathan Gasik* Date: 2/26/2025

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Professional Organizations:

- Oregon Registered Professional Engineer 17037
- Water Environment Federation
- Pacific Northwest Clean Water Association
- South Central Oregon Section of The Pacific Northwest Clean Water Association



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Hach Wims First Impressions and Initial Setup

Presenter: James Green Title: Wastewater Operator

Employer: City of Corvallis Address: 1304 NE 2nd st

City: Corvallis State: OR Zip: 97339 Phone: 5038811951

Summary of Lesson content: Every Plant Stores data whether it is pen/paper, microsoft excel, hach wims, custom built DB

This is our story of our transition to Hach Wims DB from a SQL DB, what we learned, what we would have done different,

What hach wims reports look like, how to build the reports, how to setup variables, how to create a location heirarchy.

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: Database development skills, data analysis, excel skills,
software configuration, troubleshooting, Laboratory information system, Scada Data and historian, sql queries, w/ww data

Education (High School, Upgrades, Colleges and Degrees): HS Diploma, BA Graphic Design, AAS Water & Wastewater
technology

Professional Registration/Certification: Grade IV WW Treatment

Related papers/instruction you have presented:

Title: Impacts of Hypochlorite Degradation Date: 2014 Event: PNCWA

Title: _____ Date: _____ Event: _____

Professional Organizations/Activities: AWWA Committee Date: 2015-2017

_____ Date: _____

Course sponsor: WCOS

Signature of Instructor: James Green Digitally signed by James Green
Date: 2024.01.30 07:01:55 -08'00' Date: 1/30/2024

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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: Flammable gas systems purging practices incorporating federal standards

Presenter: Spencer Goodro Title: Renewable Natural Gas Plant Lead Operator

Employer: City of Eugene Address: 410 River Ave

City: Eugene State: OR Zip: 97404 Phone: 541-682-8600

Summary of Lesson content: Purging flammable gas systems in and out of service using federal standards found in NFPA 56 and AGA Purging Principles and Practice.

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: Lead Operator RNG system, 3 years. Certified Wastewater T1

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

Professional Registration/Certification: Oregon Wastewater Treatment System Operation Grade 2

Related papers/instruction you have presented:

Title: MWMC Renewable Natural Gas Project Date: Feb 28, 2023 Event: AWWA/PNCWA Cascade to Coast Short School

Title: _____ Date: _____ Event: _____

Professional Organizations/Activities: PNCWA WCOS Board Member Date: July 2023 - Present

Date: _____

Course sponsor: AWWA/PNCWA Cascade to Coast Short School

Signature of Instructor: Spencer Goodro Digitally signed by Spencer Goodro Date: 2024.01.30 12:45:05 -08'00' Date: 01/30/2024

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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: Valve Maintenance and Backflow

Presenter: Carl Schaumburg Title: Cross Connection Control Inspector

Employer: City of Corvallis Address: 1245 NE 3rd

City: Corvallis State: Or Zip: 97330 Phone: 541-754-6916

Summary of Lesson content: Importance of Valve exercising and Maintenance

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 and Waste Water Plant Operator

Distribution Specialist and Back Flow Cross Connection Inspector

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

High School Grad and LBCC WET Program

Professional Registration/Certification: Distribution #09397 Back flow and Treatment #009193

Related papers/instruction you have presented:

Title: PRESENTER Date: 2020 Event: AWWA SHORT SCHOOL

Title: PRESENTER Date: 2022 Event: AWWA SHORT SCHOOL

Professional Organizations/Activities:

Date: _____

Date: _____

Course sponsor: _____

Signature of Instructor: Carl Schaumburg Date: 10-24-2023

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

Professional Organizations/Activities: _____ Date: March, 2024
OAWU Conference _____ Date: Dec. 2024

Course sponsor: AWWA/PNCWA

Signature of Instructor: _____ Date: 11/10/24

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Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

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Phone: 503-698-6486

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: 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: Hydraulic Modeling & the Importance of Collaboration between Engineering/Operations

Presenter: Brandon Nakamura Title: Staff Professional

Employer: Carollo Engineers, Inc. Address: 707 SW Washington St, STE 500

City: Portland State: OR Zip: 97205 Phone: 5032902785

Summary of Lesson content: Brief overview on hydraulic modeling and the importance of collaboration between engineering, management and operations for hydraulic model construction, calibration and distribution system controls

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: Built and calibrated water model for the County of Maui
5 months in field working with operators and county engineers to collect data for the hydraulic model

Education (High School, Upgrades, Colleges and Degrees): High School Diploma - Mid-Pacific Institute (Honolulu, HI)
BSCE - University of Portland (Portland, OR)

Professional Registration/Certification: EI - State of Oregon

Related papers/instruction you have presented:

Title: _____ Date: _____ Event: _____

Title _____ Date: _____ Event: _____

Professional Organizations/Activities:
AWWA - PNWS (Member)

Date: 2023-Current

Date: _____

Course sponsor: Carollo Engineers, Inc.

Signature of Instructor: Brandon Nakamura

Digitally signed by Brandon Nakamura
DN: C=US, E=bnakamura@carollo.com, CN=Brandon Nakamura
Date: 2025.03.10 11:53:58-07'00'

Date: 3/10/2025

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
Phone: 503-698-6486



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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Phone: 503-698-6486

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

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: The Mystery of Water Samples

Presenter: Rebecca Picton Title: Analyst 1

Employer: Edge Analytical Labs Address: 1100 NE Circle Blvd, Ste 130

City: Corvallis State: OR Zip: 97330 Phone: 541-753-4946

Summary of Lesson content: Learn how samples need to be collected, stored, and transported. Find out what goes on in the laboratory where the samples are analyzed.

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: Helped establish Pacific Analytical Lab in 1998; continued working after it was bought by Edge Analytical.

Education (High School, Upgrades, Colleges and Degrees): Chadron State College (Nebraska) BA Biol & Chem
Oregon State Univ MS in Veterinary Sciences - Immunology

Professional Registration/Certification: Edge Lab is accredited by ORELAP (#OR100009) as an environmental laboratory

Related papers/instruction you have presented:

Title: Survey of Llama Antibodies Date: 1993 Event: MS degree thesis defense

Title: The Mystery of Water Samples Date: 2017,2019,2021 Event: AWWA; Oregon Parks and Rec Dept

Professional Organizations/Activities:

Co-founder and Past Assistant Director - Chintimini Wildlife Center Date: 1989-1999

Corvallis Independent Business Alliance Date: 2005-2010

Course sponsor: AWWA/PNCWA

Signature of Instructor: Rebecca Picton Date: Nov. 1, 2022

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Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

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Canby, OR 97013-0577

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Phone: 503-698-6486



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Couplings, restraints, and pipe repair

Presenter: John McCulley Title: Area Manager

Employer: Romac Industries Address: 21919 20th Ave SE, Suite 100

City: Bothell State: WA Zip: 98021 Phone: 541-419-0562

Summary of Lesson content: The class will review the various types of couplings, restraints, and pipe repair products.

We will spend time looking at examples from the field, review proper installation techniques, and discuss best practices.

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 am a factory trained representative of a waterworks manufacturer. I have been in the industry for 7 years.

Education (High School, Upgrades, Colleges and Degrees): East Kentwood HS (Kentwood, MI)
Grand Valley State University BBA (Allendale, MI), Portland State University MBA (Portland, OR)

Professional Registration/Certification: _____

Related papers/instruction you have presented:

Title: Distribution systems Date: 12/13/2023 Event: OAWU year end conference

Title: _____ Date: _____ Event: _____

Professional Organizations/Activities:

AWWA member Date: Current

OAWU member Date: Current

Course sponsor: _____

Signature of Instructor:  Date: 2/12/2025

DO NOT WRITE BELOW THIS LINE

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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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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: Chlorine Chemistry

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: Covers the importance of the disinfection of drinking water and wastewater through the use of chlorine and chlorine compounds. This course will focus on the use of chlorine for disinfection. Topics include chlorine chemistry, chloramines, break point chlorination, environmental conditions, and troubleshooting.

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:  Date: 02/21/2025

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Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Oregon Dig Laws

Presenter: Jason Williams Title: Damage Prevention Specialist

Employer: NW Natural Address: 790 Goodpasture Loop

City: Eugene State: Or Zip: 97401 Phone: 541-954-6977

Summary of Lesson content: Update on Oregon Digs Laws and discussion on how to prevent damages to public utilities

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 26 years in the natural gas industry. I have been in the Damage prevention department for the past five years.

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: PNWS-AWWA Cascade to Coast Subsection

Signature of Instructor: _____ Date: _____

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Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Smart Utility Solutions

Presenter: Erik Ongstad Title: Senior Account Development Manager

Employer: Xylem Address: 2105 NE 32nd ST

City: Renton State: WA Zip: 98056 Phone: 2063311228

Summary of Lesson content: See attached.

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: Working with Smart Utility solutions since 1998.

In the United States, nearly 6 billion gallons of treated water is lost each day due to leaking pipes. Additionally, contaminar

Education (High School, Upgrades, Colleges and Degrees): Graduate Western Washington University

Professional Registration/Certification: _____

Related papers/instruction you have presented:

Title: Smart Utilities, value of data Date: 5/2024 Event: AWWMA Anchorage, AK

Title: Meters Date: 6/2024 Event: Western Washington Short School & Trade St

Professional Organizations/Activities: _____

Date: _____

Date: _____

Course sponsor: _____

Signature of Instructor: **Erik Ongstad**

Digitally signed by Erik Ongstad

Date: 2025.02.14 16:09:02 -08'00'

Date: _____

DO NOT WRITE BELOW THIS LINE

Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

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Phone: 503-698-6486

Erik Ongstad – Smart Utility Solutions

In the United States, nearly 6 billion gallons of treated water is lost each day due to leaking pipes. Additionally, contaminants from old pipes or pollution can suddenly and unknowingly enter the water system, putting consumers at risk. Water systems are becoming more challenging to manage as assets are spread across a physical footprints spanning miles.

This class explores the integration of advanced technologies in water utilities to improve efficiency, reduce waste, and ensure sustainable water management. Students will learn about the latest innovations in smart water systems, including IoT devices, data analytics, and automated control systems.

Key Topics:

1. Introduction to Smart Water Utilities:

- Definition and importance of smart water utilities.
- Overview of current challenges in water management.

2. Technological Components:

- IoT devices and sensors for real-time monitoring.
- Data analytics for predictive maintenance and leak detection.
- Automated control systems for efficient water distribution.

3. Case Studies:

- Successful implementations of smart water technologies in various cities.
- Lessons learned and best practices.

4. Benefits of Smart Water Utilities:

- Improved water conservation and reduced leakage.
- Enhanced operational efficiency and cost savings.
- Better customer service and engagement.

5. Challenges and Solutions:

- Technical and financial barriers to implementation.
- Strategies for overcoming these challenges.

6. Future Trends:

- Emerging technologies and their potential impact on water utilities.
- The role of smart water utilities in addressing global water scarcity.

Learning Outcomes:

- Understand the key components and benefits of smart water utilities.
- Be able to analyze and evaluate different smart water technologies.
- Gain insights into the practical challenges and solutions in implementing these systems.
- Be prepared to contribute to the development and management of smart water utility projects.



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Replacing One Pre-Stressed Concrete Tank with Two Welded Steel Tanks

Presenter: David Looney, PE Title: Civil Engineer

Employer: Springfield Utility Board Address: 202 S. 18th Street

City: Springfield State: OR Zip: 97477 Phone: 541.556.4554

Summary of Lesson content: Project overview presentation for a water storage tank replacement project in Springfield
that involved several components related to seismic resiliency and improvements to provide functional access and
promote operator safety.

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: Licensed Civil Engineer since 2017 with 12 years of
experience in site development and utility design.

Education (High School, Upgrades, Colleges and Degrees): BS in Civil Engineering from Oregon State University

Professional Registration/Certification: Oregon Professional Engineering License #54960PE

Related papers/instruction you have presented:

Title: _____ Date: _____ Event: _____

Title _____ Date: _____ Event: _____

Professional Organizations/Activities: _____ Date: _____

_____ Date: _____

Course sponsor: _____

Signature of Instructor: _____ Date: _____

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Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Optimizing Water Quality in Drinking Water Distribution Systems: The Role of Active Mixing

Presenter: Haley Goddard Title: Regional Manager

Employer: Cleanwater1 Address: 550 Sycamore Drive

City: Milpitas State: CA Zip: 95035 Phone: 724-991-3628

Summary of Lesson content: _____

See Attached

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): See Attached

Professional Registration/Certification: See Attached

Related papers/instruction you have presented:

Title: _____ Date: _____ Event: _____

Title _____ Date: _____ Event: _____

Professional Organizations/Activities:

_____ Date: _____

_____ Date: _____

Course sponsor: _____

Signature of Instructor: Haley Goddard Digitally signed by Haley Goddard
Date: 2025.02.20 16:26:40 -05'00' Date: 02/20/2025

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Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

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Email: info@oesac.org
Phone: 503-698-6486

Speaker Bio:

Haley Goddard is a Regional Manager at Cleanwater1, responsible for providing sales and engineering support for the application of disinfection, chemical feed, and drinking water quality solutions in the Northwest U.S. She holds a B.S. degree in Environmental Engineering from the University of Colorado-Boulder and is a licensed civil engineer. Prior to joining Cleanwater1, Haley worked for 7 years in consulting as a project engineer, leading multi-disciplinary teams in the design of water and wastewater systems for both municipal and industrial clients. Her experience features the design of reverse osmosis treatment, chemical feed, dewatering, and water conveyance systems. Haley is based out of Boise, Idaho, and serves as a Water Environment Federation delegate and board member for the Pacific Northwest Clean Water Association

Haley Goddard is a Regional Manager at Cleanwater1, responsible for providing sales and engineering support for the application of disinfection, chemical feed, and drinking water quality solutions in the Northwest U.S. She holds a B.S. degree in Environmental Engineering from the University of Colorado-Boulder and is a licensed civil engineer. Haley worked for 7 years in consulting as a project engineer, leading multi-disciplinary teams in the design of water and wastewater systems for both municipal and industrial clients.

Her experience features the design of reverse osmosis treatment, chemical feed, dewatering, and water conveyance systems.

Haley is based out of Boise, Idaho, and serves as a Water Environment Federation delegate and board member for the Pacific Northwest Clean Water Association

Optimizing Water Quality in Drinking Water Distribution Systems: The Role of Active Mixing

Maintaining water quality within drinking water distribution systems presents an ongoing challenge for utility operators. As water leaves the treatment plant meeting or exceeding quality standards, its quality inevitably begins to deteriorate over time within the distribution system. Chlorine residual, critical for disinfection, is not persistent and naturally degrades over time. As it diminishes, harmful disinfection byproducts (DBPs) such as trihalomethanes (THMs) can form.

Additionally, water conservation measures, while essential for sustainability, have unintentionally exacerbated these issues by reducing water demand. Lower demand increases water retention times within the system, leading to higher water age and further deterioration of disinfectant residuals.

Given these growing challenges, utilities require dependable and effective technologies to manage water quality directly within the distribution system. Active mixing in storage tanks has emerged as one of the most effective technologies for addressing key water quality issues, allowing improved control over disinfectant levels and disinfection byproducts.

Active mixing in drinking water storage tanks provides continual circulation, ensuring that disinfectant residuals, temperature, and water chemistry remain uniform throughout the entire tank. By eliminating thermally stratified layers—where warmer, stagnant water tends to accumulate—active mixing prevents pockets of water with diminished disinfectant levels from forming. These stagnant zones are particularly problematic, as they create favorable conditions for biofilm formation and accelerate chemical reactions that reduce disinfectant efficacy. Ensuring uniform disinfectant distribution throughout the tank is critical for minimizing water quality degradation during storage and subsequent distribution.

By homogenizing water quality, active mixing enables more reliable water sampling by ensuring that samples accurately represent the tank's overall water chemistry, rather than isolated, stratified layers. This allows operators to make better decisions regarding water quality management.

Beyond ensuring uniform water quality, active mixing can be integrated with other management tools—such as aeration systems—for even more effective control of water quality at the tank level. Aeration systems, when combined with active mixing, allow the removal of volatile organic compounds such as THMs.

Active mixing facilitates automated control of disinfectant levels by providing consistent water samples to water quality stations and ensuring rapid and even distribution of added chemicals, such as chlorine and ammonia. It makes it possible to control and boost disinfectant residuals directly in the distribution system, effectively resetting the water age downstream of the storage tank.

This presentation will explore real-world applications of active mixing technology and its role in addressing key water quality challenges within drinking water storage tanks. Through case studies and performance data, it will demonstrate how active mixing can optimize disinfectant residual levels, reduce disinfection byproducts, and enhance overall water quality in distribution systems.



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Incident Preparedness for Water and Wastewater Facilities Tabletop Exercise

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: Tabletop exercise to discuss and practice incident preparedness based on an organization's incident response plan. This is an interactive session that will require participation and information sharing. Bring incident management plans.

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: Cybersecurity with an OT focus and ICS and SCADA experie

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

Professional Registration/Certification: CISSP, CISA, CDPSE, GICSP

Related papers/instruction you have presented:

Title: Cybersecurity Best Practices and Inci Date: 12/12/2023 Event: OAWU End of Year Operators Conference

Title: Cybersecurity Threats and Best Pract Date: 9/21/2023 Event: AWWA Cascade to Coast

Professional Organizations/Activities: MS-ISAC Date: _____

Date: _____

Course sponsor: _____

Signature of Instructor: LESLIE ANN Y KAINOA Digitally signed by LESLIE ANN Y KAINOA
Date: 2023.12.01 15:47:13 -08'00' Date: _____

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: Proactive Distribution Network Management with Pressure and Leak Monitoring

Presenter: Nicole Kaiser Title: Senior Manager - Utility Solutions

Employer: Badger Meter Address: 4545 W Brown Deer Rd.

City: Milwaukee State: WI Zip: 53223 Phone: 503-310-0640

Summary of Lesson content: This presentation will highlight the benefits of remotely monitoring for pressure changes and leaks in a distribution network, along with practical considerations for developing these monitoring programs.

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: _____

Resume attached

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

Resume attached

Professional Registration/Certification: _____

Resume attached

Related papers/instruction you have presented:

Title: Resume attached Date: _____ Event: _____

Title: _____ Date: _____ Event: _____

Professional Organizations/Activities: _____ Date: _____

Resume attached

Course sponsor: Lisa Erkert _____ Signature

of Instructor: Nicole Kaiser Date: 2/11/2025

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Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

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Email: info@oesac.org
Phone: 503-698-6486

NICOLE (CONDON) KAISER

PORTLAND, OR
301.412.8464 • NICOLE.KAISER@SYRINIX.COM

PROFESSIONAL PROFILE

Water industry devotee with extensive experience in stakeholder engagement across the water sector. Strong ability to tailor information for target audiences with demonstrated proficiency in sales.

CORE COMPETENCIES

- Business Development
- Marketing
- Meeting Facilitation
- Sales Pitch Coaching
- Research and Reporting
- Project Management

WORK EXPERIENCE

Senior Manager – Utility Solutions, Badger Meter 1/23 - Present

Hardware and software solution provider for remote data collection in the water industry

- Leads networking monitoring business development efforts for enterprise accounts in North America
- Develops training for inside and outside sales team, including sales channel partners
- Manages existing client relationships and supports large scale project delivery

Vice President Business Development, Americas, Syrinix 9/22 – 1/23

Company offering advanced pipeline monitoring technologies for water and wastewater sector

- Leads business development and marketing capabilities in North America
- Manages and develops distribution network, including training and sales support
- Represents the company at conferences, seminars and industry events

Owner, SLC Advisors LLC 2/21 – 2/23

Marketing and communications consultancy with a focus on the water sector

Key Achievements:

- Managed diverse client portfolio of technology companies, water utilities and accelerator programs
- Developed marketing plans, managed website redesigns, and developed marketing materials
- Served as project manager for major innovation partnership between university and water utility

Senior Client Manager – Western US, Isle Utilities 2/16 – 12/20

Innovation consultancy serving water/wastewater utilities, technology companies and associations

Key Achievements:

- Facilitated >50 technology forums, typically attended by 10 to 15 leading water/wastewater utilities
- Managed 38 utility client accounts, including renewals and annual technology needs assessments
- Evaluated 100+ technology companies per year and conducted 60 pitch coaching sessions per year
- Supported >20 consultancy projects with total value of \$1M+ and served as project lead for 7

Water Communications Coordinator, DC Water 7/13 – 2/16

Department leading drinking water communications for water utility serving >1M population

Key Achievements:

- Developed drinking water communications, including web content, public notices, and press releases
- Engaged media, government, and public stakeholders in 50 meetings and community events annually
- Chaired communications committee with 13 utilities in Washington region
- Participated in regional research projects, including Source Water Assessment and WRF 4651
- Organized multi-agency event to commemorate Safe Drinking Water Act with public officials

ORISE Fellow, EPA Office of Water, Drinking Water Protection Division **1/13 – 7/13**
Competitive Fellowship through Department of Energy's Oak Ridge Institute for Science and Education
Key Achievements

- Provided programming and administration support for National Source Water Collaborative
- Promoted integration of EPA's water programs (CWA & SDWA) to protect drinking water sources
- Coordinated drinking water protection messaging for Office of Water communication campaigns

Research Assistant, EPA Office of Policy **6/11 – 6/12**
Competitive research post at EPA's National Center for Environmental Economics
Key Achievements

- Produced research paper on economic impact of federal corn ethanol policy
- Summarized empirical studies and economic data to meet short deadlines for policy briefs
- Provided support for research on watershed restoration, toxic release reporting, and Superfund sites

Research Assistant, DC Water **11/09 – 6/11**
Research assistantship in Drinking Water Division to support research, outreach and system monitoring
Key Achievements

- Served as research lead for studies on lead corrosion, nitrification, and fire suppression water quality
- Conducted daily field and laboratory analysis using water quality monitoring equipment
- Updated customer complaint and water quality monitoring databases using Microsoft Access

EDUCATION

American University; Washington, DC **8/09 – 5/11**
MS Environmental Science

Eckerd College; St. Petersburg, FL **8/03 – 5/07**
B.A. Double Major: Environmental Studies and French; Minor: Economics

LEADERSHIP POSTS

- Chair, Emerging Technology Committee, Pacific NW Clean Water Assoc. (2/20 – 2022)
- Education Vice Chair, Chesapeake Section, American Water Works Association (9/15 – 2/16)
- Project Lead, DC Water Innovation Program Communications (11/14 – 2/16)
- Outreach Chair, Potomac Drinking Water Source Protection Partnership (10/14 – 2/16)
- Chair, Metropolitan Washington Community Engagement Campaign (6/14 – 2/16)
- President, American University Graduate Student Council (5/10 – 5/11)

PROFESSIONAL TRAINING AND CERTIFICATIONS

- Effective Water Communications, Water Words that Work (10/15)
- Advanced Public Information Officer Training, FEMA (8/15)
- Water Leadership Institute Graduate, Water Environment Federation (9/14)
- Advanced Incident Command System Training, DC Water/EPA (10/13)

PUBLICATIONS AND PRESENTATIONS

- Navigating AML: Central Point's Path to Selection, PNWS Conference (5/19) & AWWA ACE (6/19)
- Embracing Innovation for a Resilient Future, Resilient Utilities Commission Summit (2/18)
- Integration of Emerging Technologies: an Innovative Approach, PNWS-AWWA Conference (5/17)
- Condon, N., Klemick, H., and A. Wolverton. January 2015. "Impacts of ethanol policy on corn prices: A review and meta-analysis of recent evidence." Food Policy Journal.
- Effect of Waste Site Proximity on Property Values in New Jersey, American University (12/11)
- Hazards of Fire Sprinkler Systems to DC Water Supply, Robyn Mathias Student Conference (11/10)



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Restoring Water System Confidence with UV CIPP

Presenter: Brendan O'Sullivan, P.E. Title: Technical Principal

Employer: Conсор Address: 1 SW Columbia St., Suite 1700

City: Portland State: OR Zip: 97204 Phone: 503-225-9010

Summary of Lesson content: Overview of CIPP design, how it can be applied to water system rehabilitation, review important/critical design elements that need to be considered, and highlight case studies with lessons learned.

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: 20 years of experience in conveyance engineering, small & large dia. pipeline design (gravity & pressure), and trenchless technologies (rehabilitation and new installation).

Education (High School, Upgrades, Colleges and Degrees): BS Civil Engineering, University of Portland, Oregon

Professional Registration/Certification: _____

Professional Engineer, Licensed in OR (75681), WA (51817), TN (128135), and TX (147971)

Related papers/instruction you have presented:

Title: Pipe Ramming for the Environment Date: 2/12/2025 Event: PNW NASTT Symposium

Title: LOIS - Buoyant Sewer Inspection Date: 10/3/2025 Event: APWA-OR Fall 2024

Professional Organizations/Activities:

North America Society of Trenchless Technology Date: 2009 to Present

WEF/PNWCA Date: 2016 to present

Course sponsor: _____

Signature of Instructor:  Date: 2/27/2025

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
Phone: 503-698-6486



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Intermediate Treatment with Ozone: 20 Years and Beyond

Presenter: Kimberleigh (Kim) Reid Title: Plant Manager

Employer: Veolia - Municipal Water Operations Address: 10350 SW Arrowhead Creek Lane

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

Summary of Lesson content: The Willamette River Water Treatment Plant has treated drinking water with ozone for 23 years. We will cover ozone technology, the history of treatment outcomes, costs, and the challenges of replacing the original equipment during the summer of 2024.

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: 8 years at the Willamette Water Treatment Plant serving as engineer, asset manager, maintenance coordinator, and now as the DRC

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

Professional Registration/Certification: OR WTO 4

Related papers/instruction you have presented:

Title: Ozone 101 Date: 7/30/2020 Event: PNWS Disinfection Workshop

Title _____ Date: _____ Event: _____

Professional Organizations/Activities: AWWA/PNWS Utility Management Committee Date: 1/2020 - present

Date: _____

Course sponsor: AWWA/PNCWA (Cascade to Coast Short School)

Signature of Instructor: [Signature] Date: 2/6/2025

DO NOT WRITE BELOW THIS LINE

Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

Return Completed Form To: OESAC CEU COMMITTEE
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Phone: 503-698-6486