

Oregon Association of Water Utilities *Small System* Operator's Conference

November 1-3, 2011

Pre-conference class Monday, October 31, 2011

***Florence Events Center
715 Quince Street
Florence, OR 97439
(541) 997-1994***



**Earn up to 2.0 Water
and/or Wastewater CEUs**

Small System Operator's Conference Pre-conference

Monday, October 31, 2011

Developing Your Operations & Maintenance Manual

Room 3

9:00-4:00 - Water/Wastewater (0.6 CEUs/ESAC # 2113)

This class will assist the water and wastewater system operator in outlining the specific points in developing the draft of the operations and maintenance manual. Step by step, each attendee will create their draft as it relates to their utility system during class, completing the document with a series of e-files at their home location.

Tim Tice, OAWU

12:00-1:00- Lunch provided

Pre-conference Attendee Registration

Name _____ Water Cert. # _____ / _____
If certified, print name as it appears on your state certification

WW Cert. # _____ / _____

System / Company _____ PWS ID# 41 _____

System Address _____

City _____ State _____ Zip _____

System Phone _____ System E-mail _____

Developing Your O&M Manual - \$150.00

Payment enclosed PO # _____ Please invoice

Prefer invoice/purchase order by email. Please provide email and contact person _____

Please Charge Visa MasterCard AMEX

Card # _____ Security card code _____ Exp. _____ / _____

Print name as shown on card _____ Signature _____

Billing address for card _____

Send credit card receipt to fax _____ email _____

Mail registration to: OAWU, 935 N. Main St., Independence, OR 97351

Fax registration to: 503-837-1213

Download registration at: www.oawu.net

Questions, please call: 503-837-1212

Small System Operator's Conference Full Conference Registration

November 1-3, 2011

Registration: Please read registration form thoroughly before completing. Please use one form for each person attending (photocopy additional forms as needed).

Early bird Registration: Receive a \$10.00 discount for each registration received by Monday, October 3, 2011.

Early bird registrations may be billed or contain a purchase order number.

Cancellation: No refunds will be issued and a regular registration fee will be billed for those who fail to attend and do not give the OAWU office a thirty (30) days prior notice (no later than Monday, October 3, 2011).

Confirmation: Please keep a copy of each registration form as confirmation or you may contact the OAWU office at (503) 837-1212.

Earn up to 2.0 CEUs in water and/or wastewater.

Full Name _____

System / Company _____

Address _____

City _____ State _____ Zip _____

System Phone _____ System E-mail _____

Full Registration: Conference training sessions, continental breakfast, and lunch each day

	Early Bird Registration (Postmarked by October 3)	Standard Registration (Postmarked after October 3)	
<input type="checkbox"/> OAWU Member	\$265.00	\$275.00	\$ _____
<input type="checkbox"/> *Nonmember	\$340.00	\$350.00	\$ _____

*Each nonmember individual who attends the full conference will receive a one-year OAWU Individual Membership.

Single day registration includes classes and meals for that day. OAWU Member cost \$150; non-member cost \$175

Please choose day: Tuesday Wednesday Thursday \$ _____

Payment option

- Payment Enclosed
- Purchase Order # _____
- Please Invoice

Prefer invoice/purchase order by email. Please provide email and contact person _____

Please Charge Visa MasterCard AMEX

TOTAL AMOUNT ENCLOSED \$ _____

Card # _____ Security card code _____ Expiration _____ / _____

Print name as shown on card _____ Signature _____

Card billing address _____

Send credit card paid receipt to fax: _____ email _____

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Small System Operator's Conference

Tuesday, November 1, 2011

8:00-8:45 Gallery lobby Registration/Continental Breakfast

8:45-10:15

Room 3/4/5-Water/Wastewater

Welcome/Opening Session

Common Attributes of Both the Leader & the Employee & why They are Important: This session will consider behaviors and character attributes in both the leader and employee with a Q&A discussion period.

Jason Green, OAWU Executive Director

10:15-10:30 Break

10:30-12:00 Training Sessions

Room 3-Water

OHA, DWP Update:

Review of the latest information on rules & regulations concerning OHA, DWP.

Karen Kelley, OHA, DWP

Room 4-Wastewater

A Conversation with DEQ:

How can DEQ assist small communities with their wastewater infrastructure needs? Discuss ways that DEQ can help small communities achieve multiple regulatory obligations in a cost-effective manner.

Nina DeConcini, DEQ

Room 5-Water & Wastewater

Chlorination Tips:

Latest innovations for pumping chlorine and the best ways to successfully pump this troublesome liquid to make life more productive for the plant operators. Also discuss proper sizing of pumps.

Phil Pelletier, Furrow Pump

12:00-1:00 Lunch - Gallery lobby

1:00-3:00 Training Sessions

Room 3-Water

Survey of Water Distribution System Components:

A survey of the major components of municipal water distribution systems, covering both the "basics" and the latest products and technologies. This class will benefit both new and experienced operators.

John Cobb, American AVK Company

Room 4-Water/Wastewater

SCADA/Telemetry:

Real-time monitoring, system modifications, troubleshooting, increased equipment life, and automatic report generating

Dave Koons, Taurus

3:00-3:15 Break

3:15-5:00 Training Sessions

Room 3-Water/Wastewater

Mesh Wireless Ethernet Networks:

This session will focus on Mesh technology, an 802.11b/g/n Ethernet network specifically for the plant environment. Mesh network technology provides redundancy, self forming and self healing allowing it to be used for critical and non-critical applications. Change Management and Version Control: Utilizing technologies to compare easily identify change and backup and restore automation programs including PLCs, HMIs, and many other devices providing version control, security and automatic backups.

Larry Claussen, WingTip, LLC

Room 4-Wastewater

Wastewater and Storm Water Lift Stations:

Retrofits and replacements of lift stations-what works and what doesn't

Mark Sheldon, Romtec

Small System Operator's Conference

Wednesday, November 2, 2011

7:00-8:00 **Gallery lobby** **Continental Breakfast**

8:00-10:00 **Training Sessions**

Room 3-Water

Well Performance Issues:

Discuss the key factors affecting well performance including well design, initial screen development, biological and mechanical plugging and well rehabilitation methods.

Jim Bailey, Shannon-Wilson, Inc.

Room 4-Water

Water Meters:

Update on water meters large and small

Erik Ongstad, Sensus USA

Room 5-Water & Wastewater

Excavation Safety:

OSHA trench safety requirements, safety tools and their uses. Discuss Competent Person and employee training requirements.

Larry Fipps, Oregon OSHA

10:00-10:15 **Break**

10:15-12:00 **Training Sessions**

Room 3-Water

Well Performance Issues Continued

Room 4-Water/Wastewater

Plant PLC Control

Automated plant controls system that will graphically display on a system plant P.C.

Greg Jenks, The Automation Group (TAG)

12:00-1:00 **Lunch - Gallery Lobby**

1:00-3:00 **Training Sessions**

Room 3-Water

Filter Endorsement Math:

Operator math in preparation for the Filter Endorsement Exam.

Darrel Lockard, City of Rainier

Room 4-Wastewater

Disinfection Options in a Changing World:

Different chlorine forms, their benefits and challenges as well as the related regulatory and legislative requirements surrounding each type of solution. We will also discuss a blend of non-chlorinated methods joined with chlorine as a viable solution to traditional disinfection means.

Joe Prok, Arch Chemicals

3:00-3:15 **Break**

3:15-5:00 **Training Sessions**

Room 3-Water

Filter Endorsement Theory:

An in-depth review of Filter O&M and process theory.

Darrel Lockard, City of Rainier

Room 4-Wastewater

Modular Wastewater Treatment Systems:

Discussion of modular wastewater treatment system servicing protocols, troubleshooting techniques and wastewater solutions.

Dave Lepre & Scott Hammerschmith, Orenco

Small System Operator's Conference

Thursday, November 3, 2011

7:00-8:00 Gallery lobby Continental Breakfast

8:00-10:00 Training Sessions

Room 3-Water/Wastewater

Asbestos Handling:

The Portland Water Bureau, the American Water Works Association, and Oregon OSHA have been working together to establish acceptable safe handling procedures for asbestos-cement pipe. This session will focus on those safe work practices, the Oregon OSHA agreement other utilities can rely upon, as well as other hazards associated with water utility construction work.

Eric Fullan, Portland Water Bureau

Room 4-Wastewater

Lagoon Operations & Maintenance:

Step-by-step instruction of process control and data accumulation including the proper use of input, and utilization of results. Discuss the pertinent state/federal rules and regulation needed to be able to utilize the different methodologies that will be applied during the use of weed and pest control. Daily monitoring reports (DMR) and laboratory bench sheets.

David Branham, OAWU

10:00-10:15 Break

10:15-11:45 Training Sessions

Room 3-Water/Wastewater

Asbestos Handling Continued

Room 4-Water

Water Storage Tank Operations & Maintenance Issues:

This presentation will review basic issues of potable water storage tanks. In addition to basic design issues and review of applicable AWWA standards the necessary components of an effective water storage tank inspection will be covered: how to select an inspection firm, review the applicable industry standards, frequency of inspection, and list what to inspect.

Randy Moore, Utility Service, Inc.

11:45-1:00 Lunch - Gallery Lobby

1:00-2:30 Training Sessions

Room 3-Water

Water Storage Tank Operations & Maintenance Issues Continued

Room 4-Water/Wastewater

Operator Math:

Practical day-to-day math for water and wastewater operators. BRING YOUR CALCULATOR & QUESTIONS.

David Branham & Hans Schroeder, OAWU

3:00-3:15 Break

3:15-5:00 Training Sessions

Room 3-Water

Trenchless Technologies for Potable Pressure Pipe Rehabilitation

Trenchless technologies are widely used to refurbish buried water mains. This presentation will outline new advancements in trenchless technologies, including fiber-reinforced cured-in-place pipe (CIPP) and high-density polyethylene (HDPE) for pressure pipe renewal. These technologies are used to renew infrastructure with considerably less disruption and considerable cost savings.

Jeff Beck, Insituform

Room 4-Water/Wastewater

Plan Review:

Reviewing the proposed project details & print with a critical eye towards success.

Pat Curran, Curran-Mcleod, Inc.



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Independence, Oregon 97351
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office@oawu.net

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Address correction requested

Attention Water / Wastewater Departments

When finished reading, please route to:

- * **Office Manager(s)**
- * **Office Clerks**
- * **City Recorder**
- * **Board Members**

Small System Operator's Conference Florence Event Center

November 1-3, 2011

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"OAWU's mission is to provide service, support, and solutions for Oregon water and wastewater utilities to meet the challenges of today & tomorrow"