

OAWU End of Year Operator's Conference

Best Western Hood River Inn
1108 E. Marina Way
Hood River, OR 97031

(541) 386-2200 or 800-828-7873

Guaranteed guest room block rate through November 15, 2011
Single/double occupancy standard rate: \$85 + tax per night

Class dates, times & CEUs at a glance

December 6, 2011 8:45 a.m. - 4:45 p.m. (0.65 CEUs)

December 7, 2011 8:00 a.m. - 5:00 p.m. (0.75 CEUs)

December 8, 2011 8:00 a.m. - 4:15 p.m. (0.65 CEUs)

Earn up to 2.0 CEUs for water and/or wastewater

Full Conference Cost

(includes donuts, coffee and lunch each day)

OAWU Member: \$265

Non-Member: \$340

*Non-member individuals will receive a complimentary, one-year OAWU Individual Membership.

Cancellation & Confirmation Policies

No refunds will be issued and a standard registration fee will be billed for those who fail to attend and do not give the OAWU office a 7-day prior notice (no later than November 30, 2011).

Please keep a copy of your registration form or contact the OAWU office at 503-837-1212 for confirmation.

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



Oregon Association of Water Utilities
935 N. Main St.
Independence, OR 97351-2505
503-837-1212

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Please forward to:
Water department personnel
Wastewater department personnel
City managers, clerks, and board members

OAWU End of Year Operator's Conference



Get Your Training CEUs Before Time Runs Out!

December 6-8, 2011 Hood River, OR

Earn up to 2.0 water or wastewater CEUs

OAWU Annual End of Year Operator's Conference December 6-8, 2011

Conference Registration form

Name _____

If certified, print name as it appears on your state certification

Water Certification # _____ / _____

Wastewater Certification# _____ / _____

System Name _____

Address _____

City _____ State _____ Zip _____

System Phone _____

System Email _____

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Payment Option

Payment enclosed Please invoice Purchase order # _____

Charge my: Visa MasterCard AMEX

Card # _____

Exp. Date _____ / _____ Security Card Code _____

Card billing address _____

Cardholder Name _____

Signature _____

Please Return Registration Form to OAWU:

935 N. Main St., Independence, OR 97351

Fax: 503-837-1213

Contact phone: 503-837-1212

Visit us online at www.oawu.net

WEB

Tuesday, December 6, 2011

8:00-8:45

Registration with donuts & coffee

8:45-10:15 - WATER/WASTEWATER

Flange Bolting, Gaskets and Petrolatum Wax:

The most misunderstood specifications that are written in water and wastewater industry are for flange bolting and gaskets. This discussion will cover topics of how to identify bolts, stainless steel galling problems, torching off bolts; bolts around wastewater, ARRA bolts; electrolysis, torque requirements; a few notes on NSF-61 gaskets, flange isolation and petrolatum wax. *Rich Varalla, Tripac Fasteners*

10:15-10:30

Break

10:30-12:00 - WATER/WASTEWATER

Chemical Dosing – From Tank to Mixing:

Storing of Chemicals, chemical dosing systems, chemical flow measurement, chemical injection and mixing in water and wastewater treatment. Recommendations and cautions, safety, and examples of the most common chemical systems. *Jason Morse, Whitney Equipment Company*

12:00-1:00

Lunch provided

1:00-3:00 - WATER/WASTEWATER

Math for Operators:

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

Scott Nebeker, Kennedy/Jenks

3:00-3:15

Break

3:15-4:45 - WATER/WASTEWATER

Math for Operators Continued

Wednesday, December 7, 2011

7:30-8:00

Donuts & coffee

8:00-10:00 - WATER

Hydrant Service & Maintenance:

Discussion of hydrant installation, service, operation and maintenance. *Dave Acomb, M&H/Kennedy Valve*

8:00-10:00 - WASTEWATER

Nozzle Application & Presentation:

Roundtable-style Q&A of different applications of nozzles including operator input of different situations and troubleshooting. *Frank Speiler, Enviro-Clean Equipment, Inc.*

10:00-10:15

Break

10:15-12:00 - WATER

Water Meters 101:

This presentation will cover the various metering technologies used in utility application, including meter sizing and selection as well as future meter developments. An overview of AMR & AMI technologies including mobile and fixed meter reading. *Michele Harvey, Badger Meters*

10:15-12:00 - WASTEWATER

Wastewater Operator Certification Update:

Certification requirement update. *Genet Belete, DEQ*

12:00-1:00

Lunch provided

1:00-3:00 - WATER

AMI Infrastructure:

This class will discuss AMI technology, security, benefits and efficiency. *Dawn Groves, Aclara Systems*

1:00-3:00 - WASTEWATER

Managing H2S Odors and Corrosion Control:

A compelling look at how H2S is a growing concern for plant operations and conclusive solutions on ways the "problem" can be handled. This session is a look at the underlying issues of managing H2S in collection systems and wastewater plants. *Rick Allen, BioLynceus, LLC*

3:00-3:15

Break

Wednesday, December 7, 2011 Continued

3:15-5:00 - WATER/WASTEWATER

Valve and Hydrant Basics:

An in-depth survey of water and sewer system valves (gate and check valves) and dry barrel hydrants.

John Cobb, American AVK Company

3:15-5:00 - WATER/WASTEWATER

Energy Matters: A Look at Sustainability & Energy Efficiencies

With new mandates by municipalities and governments to become more energy efficient, Mr. Allen will help operators and managers see some of the energy areas that will help them meet governmental goals to reduce energy and become more sustainable. *Rick Allen, BioLynceus, LLC*

Thursday, December 8, 2011

7:30-8:00

Donuts & coffee

8:00-10:00- WATER

Air Valves for Flow Efficiency & Surge Protection:

The class discusses how air becomes entrained in water, how air moves through water/wastewater systems, and the dangers inherent in that movement. The class is also a brief primer on fluid mechanics.

Geoff Robinson, Frank J. Martin Company

8:00-9:00- WASTEWATER

UIC Stormwater:

Summary of the UIC Stormwater Status in Oregon. *Mark Cullington, Kennedy/Jenks Consultants*

9:00-10:00- WASTEWATER

Biosolid:

Class A Case Study for a Small City in Oregon. *Mark Cullington, Kennedy/Jenks Consultants*

10:00-10:15

Break

10:15-11:45 - WATER

The Drinking Water State Revolving Loan Fund. What is it? How can it help?:

The presentation will provide background information on Oregon's history with the program, what makes a project "eligible" and other important information for water systems that may need financial assistance for infrastructure related projects in the future. *Adam DeSemples, OHA-DWP*

10:15-11:45 - WASTEWATER

Wastewater Effluent Re-use:

A class that will talk about water analyses and what is important and how to use those results to make good agronomic and environmental decisions. *Don Horneck, Oregon State University*

11:45-1:00

Lunch provided

1:00-2:30- WATER/WASTEWATER

Energy Efficiencies at Public Utilities:

Discussion that pertain to energy cost savings in and around the utility. *Michael Grimm, CADMUS Group*

1:00-2:30 - WASTEWATER

Phosphorus Removal:

Driven by regulatory requirements phosphorus removal has evolved from basic chemical precipitation, enhanced biological phosphorus removal, low level phosphorus removal to economically viable phosphorus recovery. This class provides an overview of phosphorus removal technologies today, current regulatory drivers and case studies from operating facilities. *Mario Benisch, HDR, Inc.*

2:30-2:45

Break

2:45-4:15 - WATER

Tank Sustainability:

The components of a sustainable asset management program for water tanks will be discussed and the advantages/disadvantages of tank asset management and traditional tank maintenance procurement will be reviewed. Four sustainable tools for assisting operators with water quality management in storage facilities will be presented as sustainable best practices. *Kirt Ervin, Utility Service Company, Inc.*

2:45-4:15 - WASTEWATER

Alternative Lift Station Redundancy:

In this class we will discuss the value of backup portable pumps with controls versus backup generators and transfer switches for increased reliability of lift station pumping during system distress.

Jennifer Ball, Godwin Pumps, Inc.