

# 2018 Fall Operator's Conference

## Spirit Mountain Casino - Grand Ronde, Oregon



**November  
5-8, 2018**

Earn up to 2.6 CEUs in Water and Wastewater - ESAC #3780



Attention Water / Wastewater Departments

When finished reading, please route to:  
Office Manager(s), Administrators, City Managers,  
and/or Board Members.



Address correction requested

Independence, Oregon 97351  
(503) 837-1212 Fax (503) 837-1213



Oregon Association of Water Utilities

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# 2018 Fall Operator's Conference

## Spirit Mountain Casino - Grand Ronde, Oregon

**November 5 - 8, 2018**

Full Name \_\_\_\_\_

Water Certification # \_\_\_\_\_ Wastewater Certification # \_\_\_\_\_ Working toward certification ☐

System Name \_\_\_\_\_

System Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

System Phone \_\_\_\_\_ System Email \_\_\_\_\_

### Pre-Conference (Monday)

#### Monday Class Registration:

		Cost	Attending
Effective Utility Management (Lunch is on your own)	0.6 CEUs Water/Wastewater	No charge	Yes <input type="checkbox"/> No <input type="checkbox"/>

### Full Conference (Tuesday - Thursday)

#### Full Conference Registration:

Conference training sessions, coffee & donuts, and lunch each day

OAWU Member

<input type="checkbox"/> Early Bird (postmarked by Oct 4)	\$305.00	\$ _____
<input type="checkbox"/> Standard (postmarked after Oct 4)	\$335.00	\$ _____

\*Nonmember

<input type="checkbox"/> Early Bird (postmarked by Oct 4)	\$405.00	\$ _____
<input type="checkbox"/> Standard (postmarked after Oct 4)	\$435.00	\$ _____

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

### Payment Information:

Payment Enclosed ☐ Please Invoice ☐ Purchase Order # \_\_\_\_\_ TOTAL AMOUNT \$ \_\_\_\_\_

*If paying by credit card, please call the OAWU office (503) 837-1212 for processing and receipt.*

Email Credit Card receipt to: \_\_\_\_\_

### Spirit Mountain Casino

**27100 SW Salmon River Hwy**

**Grand Ronde, OR 97347 Phone: (800) 760-7977**



Guest room block available until Saturday Oct 6, 2018. Call (800) 760-7977 by the cutoff date for room block rate.

- Rate: \$99 + tax per night. \$10 charge per additional guest.

### Cancellation & Confirmation Policies:

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 seven day prior notice (no later than Monday, October 29, 2018).

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

### SEND REGISTRATION FORM AND FEES TO:

**Mail to: OAWU, 935 N. Main Street, Independence, OR 97351 | Email to: [office@oawu.net](mailto:office@oawu.net) | Fax to: (503) 837-1213**

# 2018 Fall Operator's Conference

## Monday, November 5, 2018 Pre-Conference Schedule

**8:30-9:00**                      **Registration**  
**9:00-10:30**            **(0.15) Training Session**

### Effective Utility Management:

Participate in a workshop for success at your water and wastewater facility. Look at challenges such as aging infrastructure, growth, and adequate revenues that reflect true operational costs today and in the future. At this workshop, you will be involved in ten key management areas, assessing your strengths and weaknesses with a framework conducive of a well-rounded water and wastewater utility management approach.

*Scott Berry, OAWU*

**W/WW**

**10:30-10:45**                      **Break**  
**10:45-12:15**            **(0.15) Training Session**

### Effective Utility Management: (Continued)

**W/WW**

**12:15-1:15**                      **Lunch - On your own**  
**1:15-3:15**                      **(0.2) Training Session**

### Effective Utility Management: (Continued)

**W/WW**

**3:15-3:30**                      **Break**  
**3:30-4:30**                      **(0.1) Training Session**

### Effective Utility Management: (Continued)

**W/WW**



## Tuesday, November 6, 2018 - Conference Schedule

**8:00-8:30**                      **Registration**  
**8:30-10:15**            **(0.175) Training Session**

### Considerations Before Releasing a Fixed Network RFP

New software features provide tools based on the hourly readings to provide proactive and actionable utility management, including water efficiency efforts to better protect the state's resources.

*Michele Harvey, Badger Meter*

**W/WW**

**10:15-10:30**                      **Break**  
**10:30-12:00**            **(0.15) Training Session**

### Sodium Hypochlorite Basics

The different types of sodium hypochlorite. How to handle, manage, store, & deliver this chemical within parameters specific to their plants. Design considerations for remodeling a chemical system. *Cindy Yost, HASA*

**W/WW**

**12:00-1:00**                      **Lunch - Provided**  
**1:00-3:00**                      **(0.2) Training Session**

### GIS & GPS Mapping

Cloud computing, and smart phone/tablet apps for collection and GIS/mapping systems. "Bring Your Own Device" GPS receivers, we can deploy the best of both worlds - easy to use GIS apps and very precise sub-meter accuracy.

*Rich Ash, GeoMobile Innovations*

**W/WW**

**3:00-3:15**                      **Break**  
**3:15-5:00**                      **(0.175) Training Session**

### Concrete and Steel Tank Maintenance: Reactive vs Proactive

Benefits and drawbacks associated with each method including risk analysis, material selection, preparation and application issues, common failures, and cost effectiveness.

*Jeff Austin, SUEZ*

**W/WW**

### Leak Detection

Leak detection techniques for distribution and collection systems. Participants will learn various methods available to identify and find leaks. A variety of equipment will be demonstrated and used to aid students in accurately pinpointing leaks in all types of pipe materials.

*Scott Berry, OAWU*

**W/WW**

### Developing a Computerized Maintenance Management System (CMMS) for your Treatment Plant

Overview of the steps needed to develop a CMMS for a treatment plant: Asset Inventory, System Identification, Hierarchy, Work Flow, Preventive Maintenance Tasks, Reporting. *Mark Walter, Waterdude Solutions*

**W/WW**

### Water Rights in Oregon

State Law requires that certain types of uses require a water right in Oregon but some small systems do not. We will discuss what uses require a water right, the process for obtaining water rights, and also options for when it is not possible to obtain a water right.

*Amy Kim, OWRD*

**W**

### Job Site Safety and working with OR-OSHA Consultation

OSHA consultants will provide information on the benefit of having an OSHA consultation at your water and wastewater facility and keeping your work site safe.

*Larry Fipps, OSHA*

**W/WW**

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



# 2018 Fall Operator's Conference

## Wednesday, November 7, 2018 - Conference Schedule

**7:30-8:00** Coffee & Donuts  
**8:00-10:00 (0.2)** Training Sessions

### Pipe Condition Assessment

Helium leak detection and pipe condition assessment. To help maintain and improve on infrastructure management.

*Jeff Austin, SUEZ*

W/WW

**10:00-10:15** Break  
**10:15-12:00 (0.175)** Training Sessions

### Flexible Drop Pipe Applications

Using Flexible drop pipe in a water well, wastewater lift station or bypass pumping you can achieve many benefits over your standard rigid pipe in water & wastewater utilities.

*Carlos Guerra, Hose Solutions*

W/WW

**12:00-1:00** Lunch - Provided  
**1:00-3:00 (0.2)** Training Sessions

### Do's & Don'ts of Tracer Wire Systems

Proper installation of tracer wire, 101 training on locate equipment & how they & tracer wire go hand & hand and hands on outdoor training on how it all goes together.

*Amanda Peterson, Copperhead Industries*

W/WW

**3:00-3:15** Break  
**3:15-5:00 (0.175)** Training Sessions

### Asphalt Repair for Utilities

The "why we use" and the "where we use." We will discuss the most recent innovations; special materials for extended service life, and the latest in the code of practices for asphalt.

*Bill Bailey, Lakeside Industries*

W/WW

### WW System Design – Manhole Retrofitting

A look at new technologies that allow manholes to be repaired in a way to reduce I and I for a collection system.

*Lewis Titus, Titus Industrial Group*

WW

### DEQ Wastewater Operator Certification Basics

The application and certification process, tips to avoid mistakes, an overview of where to find the information you need on DEQ's website, and an opportunity for program feedback.

*Kimi Grzyb, DEQ*

WW

**Community Water Fluoridation Basics:** Options of fluoridation chemicals, feed equipment, and regulatory requirements.

**Cyanotoxins:** Overview of harmful algal blooms, health risks, and history.

*Kari Salis, OHA*

W

### Biosolid Beneficial Use and Management Plan

Overview of Oregon's Biosolids program. Talk will cover pathogen reduction, vector attraction reduction and biosolids beneficial use as a soil amendment.

*Paul Kennedy, Oregon DEQ*

WW

## Thursday, November 8, 2018 - Conference Schedule

**7:30-8:00** Coffee & Donuts  
**8:00-9:30 (0.15)** Training Session

### Total Organic Carbon (TOC) Monitoring

Ability to monitor the TOC in a water or wastewater source is an important ability to allow utilities to make treatment adjustments.

*Simon Cartwright, Xylem*

W/WW

**9:30-10:00** Break  
**10:00-12:00 (0.2)** Training Sessions

### Pipe Bursting/Pipe Locating

First hour will cover Trenchless Technologies focusing on pipe bursting. The second hour will cover the basics of locating.

*Scott Bevans, Ditch Witch NW*

W/WW

**12:00-1:00** Lunch - Provided  
**1:00-2:00 (0.1)** Training Session

### Chemical Feed Pumps and Flow Meters

Water and Wastewater chemical feed pump application, operation, maintenance and installation. Specifying and understanding water flowmeters.

*Phil Pelletier, Furrow Pump*

W/WW

**2:00-2:15** Break  
**2:15-3:15 (0.1)** Training Session

### Chemical Feed Pumps and Flow Meters (Continued)

*Phil Pelletier, Furrow Pump*

W/WW

### Water System Algal Toxin Advisory

The presentation will discuss lessons learned during City of Salem's do not drink advisory.

*Dwayne Barnes, Lacey Goeres-Priest, City of Salem*

W

### Integrated Pump Controls

What station management and integration should involve. Best practices and the latest pumps entering the market.

*Simon Cartwright, Xylem*

W/WW

### Expanding the Possibilities of AMI: Key Advantages Provided by NaaS

If your water utility is considering deployment of a Smart Water AMI Network, you may want to consider the benefits of Network-as-a-Service (NaaS) a managed network service.

*Tim Loosier, Neptune Technology Group*

W

### Smart Water Metering

Addressing non-revenue water by using smart (ultrasonic) water meters with drive by and fixed network capabilities.

*Tim Owens, Correct Equipment*

W

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