

ROSE STATE COLLEGE

Oklahoma Water & Pollution Control Annual Conference (OWPCC)

October 8-11, 2018

Agenda

Monday, October 8

Short School Begins

7:30 am to 5:00 pm

Registration Open

8:00 am to 5:00 pm

C Water

Robert Krueger

Room 106

1:00 pm to 4:00 pm

Vendor Set-up

Tuesday, October 9

7:30 am to 5:00 pm

Registration Open

Short School Continues

8:00 am to 5:00 pm

Exhibits Open

8:00 am to 5:00 pm

C Water

Robert Kruger

Room 106

8:00 am to 5:00 pm

D Water & Wastewater

Mike McFall

Room 213

8:00 am to 8:30 pm

Rose State College Welcome

Tamara Pratt, Vice President, External Affairs

City of Midwest City Welcome: The Honorable Matt Dukes, Mayor

Conference Overview

Bill Clark, Environmental Coordinator, Rose State College

8:30 am to 9:15 am

“The Rights to Waters in Oklahoma”

Mike Wofford, LLC, General Counsel, Central Oklahoma Master Conservancy

This session will discuss the continuing relevance of tribal claims

9:15 am to 10:00 am

Keynote: “Update on Environmental Issues”

Colonel Michael Teague, Oklahoma Secretary of Energy & Environment

10:00 am to 10:30 am

Break with Vendors

10:30 am to 11:15 am

“Nitrogen Removal 101”

Cole Niblett, Project Engineer, Garver

Strategies for Optimizing Nitrification and Denitrification

This presentation will discuss the fundamentals of nitrogen removal in wastewater treatment and strategies for improving ammonia and nitrate removal. Further, specific operating conditions and troubleshooting for conventional activated sludge processes (including sequencing batch reactors) will be discussed.

11:15 am to 12 noon

“Managing Threats to Cyber Security for Industrial Control Systems”

Ian Anderson, Manager, Enterprise Security, OG&E Corporation

Industrial Control Systems drive modern life by automating and orchestrating the processes we depend on to live, work, and play. These systems are under constant threat of attack or misuse which has the potential to disrupt our way of life and cause physical damage or bodily harm. Utilities of all types find themselves as targets by malicious actors seeking to gain access, learn information about, and ultimately disrupt the utility operations. Attendees of this talk will receive an overview of activities and trends in the utility security space as well as a review of common tactics that can be rapidly implemented to improve the overall security capability of your organization.

12 noon to 1:00 pm

Lunch with Vendors

1:00 pm to 1:45 pm

Jolene Nauman, Financial Advisor, Edward Jones

“Retirement: Making your money last.

This presentation discusses ideas to help build a reasonable and sustainable strategy for managing income and expenses during retirement.

“Social Security: Your Questions Answered”

Will discuss how Social Security fits into your income retirement plan, when you should start taking benefits and taxes.

1:45 pm to 2:30 pm

“Where the Clean Water Act and Safe Drinking Water Act Intersect: What it Means for the Regulated Community.”

Shellie Chard, Director, Water Quality Division, Oklahoma Department of Environmental Quality (ODEQ)

This presentation will address how the two federal water Acts impact each other and how they approach the protection of public health and the environment. New approaches to long standing contaminants will be discussed in addition to contaminants of emerging concerns.

2:30 pm to 3:00 pm

Break with Vendors

3:00 pm to 4:00 pm

Panel: “Indirect Potable Reuse and Aquifer Storage and Recovery Rules”

Bill Cauthron, Chief Water Quality Director, Water Resources Board (OWRB) and **Ken Komiske**, Director of Utilities, City of Norman

For the past several years OWRB (Oklahoma Water Resources Board) and DEQ (Department of Environmental Quality) have been working with industry leaders and national experts to develop new rules and regulations for Aquifer Storage and Indirect Potable Reuse. These new rules have been legislated into practice and are now available for municipalities to use. These are not just new rules, but a groundbreaking step forward to provide a sustainable water supply for all of Oklahoma. These rules follow the path set by the Statewide Strategic Water Supply Plan adopted by the State in 2014 in one of the goals of the State using no more fresh water in 2060 as it did in 2012.

4:00 pm to 5:00 pm

“Beating the Heat: Effects of Temperature on Electric Motor Life in Submersible Pumps”

Keith Lovett, Aftermarket Sales, Automatic Engineering

An exploration into motor insulation temperature ratings, their intended application and use as a predictor in motor longevity.

Wednesday, October 10

7:30 am to 5:00 pm	Registration Open		
	Short School Continues		
8:00 am to 5:00 pm	D Water and Wastewater	Mike McFall	Room 213
8:00 am to 5:00 pm	C Wastewater	Michael Lavigne	Room 106
8:00 am to 9:00 am	Keynote Speaker “What Caused the Flint Michigan Water Catastrophe?” Dan Gilmartin , Executive Director, Michigan Municipal League <i>By now we have all read about the water problems in Flint, Michigan and seen the impact on city residents. But, have we asked ourselves, "How could this happen in one of America's historic cities? And could it happen here?" Dan will discuss the issues that led to the catastrophe in Flint and what must be done to turn the city's fortunes around.</i>		
9:00 am to 10:00 am	“Insiders are the Real Threat” Ken Dewey , Director Cyber Security / Digital Forensics, Rose State College <i>With the prevalence of mobile and social media, the insider threat is more dangerous than ever. Do you know what to click on and what to do when you do? How can you tell the difference between a legitimate email and a fake? Different techniques will be discussed showing real world examples of the latest threats today and how you can be safer online and with social media.</i>		
10:00 am to 10:30 am	Break with Vendors		
10:30 am to 11:15 am	“Developing your Asset Management Program: A Team Building Exercise” Karen Converse , Inframark <i>We all are tasked with developing our Asset Management Program. In this presentation we will share in the steps involved for building your most important assets, you and your team! You will be walked through each of the steps for developing a most useful asset management database.</i>		
11:15 to 12 noon	“Think Optimization – The Absolute Best Water” Patty Thompson , Engineering Manager, Public Water Supply Group, Water Quality Division, Oklahoma Department of Environmental Quality (ODEQ) <i>People become complacent when operations are running smoothly and regulations are being met. Instead of being mediocre, what if you could optimize and be the ABSOLUTE BEST? This presentation is going to discuss optimization in water treatment, optimization’s history in Oklahoma, and a new program to award water systems meeting optimization goals. If you chose to be the best, DEQ wants to recognize you for it.</i>		
12 noon to 1:30	Lunch with Vendors Water Tasting Contest Awards Presentation	Judges: Senator Jack Fry Saundra Naifeh	
1:30 am to 2:15 pm	Maintenance Programs-Reliability and Predictive Maintenance” Kenneth Theimer , Evans Enterprises Inc. <i>In this presentation the following will be covered: Maintenance program philosophies; condition monitoring technologies; failures in electrical equipment; causes of bearing failures; and proactive maintenance program benefits.</i>		

- 2:15 pm to 3:00 pm **“Water Line Repairs”**
Allen Totten, Adjunct Instructor, Francis Tuttle Center for Municipal Excellence
*This is a class participation for specific issues including the following:
How to pinpoint a leak; procedures for isolating leak repairs; measuring techniques in determining the outside dimensions of pipe; stainless steel repair clamps and /or pipe replacement; proper bracing of the repair site and backfilling after the repair; setting up your work zone; trench Safety; installing clamps; and flushing and disinfection.*
- 3:00 pm to 3:30 pm **Break**
- 3:30 pm to 4:15 pm **Susan Paddack / Executive Director, The Oka’ Institute**
“The Oka’ Institute: Creating Practical Water Solutions for Oklahomans
‘The Oka’ Institute was established in 2016, with the noble goal of addressing Oklahoma’s water resource needs, and is the newest water institute in the state. Oka’ means water in the Chickasaw and Choctaw languages. Oka’s vision is to create practical water solutions both locally and globally driven by research and directed by data that result in long-term sustainable ecological management and economic development. In this session, you will learn how all citizens can be a part of defining the water needs in our state and how we can work collaboratively to achieve the solutions to maximize our water resources.’
- 4:15 to 5:00 pm **Panel: “Open Discussion on Water and Wastewater System Maintenance”**
Andy Bruel, Division O&M Tech city of Norman
Ray Fife, City of Edmond

Thursday, October 11

- 7:30 am to 8:00 am **Registration Open**
Short School Continues
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| 8:00 am to 5:00 pm | C Wastewater | Michael Lavigne | Room 106 |
| | D Water and Wastewater | Mike McFall | Room 213 |
- 8:00 am to 8:45 am **“Operator Toolbox”**
Brian Hapke, Retired Supervisor, Water Treatment Plant, City of Norman
“Operator Toolbox is an Excel (TM) spreadsheet that automates difficult calculations that operators of water and wastewater systems may find useful”
- 8:45 am to 9:15 am **Depart for Tour of Midwest City’s New Wastewater Plant**
Drive your own vehicle or carpool
- 9:30 to 12 noon **Tour: Water Resources Recovery and Compost Facility**
7420 N.E. 36th Street, Midwest City, OK
Host Chris Thomas, Chief Operator, Trainer, City of Midwest City

Friday, October 12

- ODEQ Testing for Short School**
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| 8:00 am to 12 noon | ODEQ Testing for Short School –Room 215 |
| 1:00 pm to 5:00 pm | ODEQ Testing for Short School – Room 215 |