Delaware Rural Water Association
30th Annual Technical Conference & Exhibition
Delaware State Fairgrounds, Harrington, DE
February 25–27, 2020

ATTENDEE REGISTRATION

Registration Fee (Per Person)
Members $50.00/Non-Members $75.00 (thru 2/1/2020)
Members $75.00/Non-Members $100.00 (after 2/2/2020)
Plumbers $40.00  Municipal Clerks  $20.00

Tuesday, February 25, 2020
8:00 am—7:00 pm  Exhibitor’s Set-Up Exhibits & Registration Open
1:00 pm—2:30 pm  1) What You Need to Know About the Current & New Amendments to the IPC  (Plumbers)
1:00 pm—3:00 pm  2) New & Upcoming EPA Requirements Including Disinfection Residual Monitoring & ERP Plans  (W—D)
3:00 pm—5:00 pm  3) Low Pressure Sewer Systems and Grinder Pumps O & M  (WW—ID)
2:30 pm—3:45 pm  4) Preventing Burns and Scalding Injuries from Tap Water  (Plumbers)
3:00 pm—5:00 pm  5) How To Prepare For Your Next On-Site Facility Inspection  (W - D & WW - D)
6:00 pm—8:00 pm  6) Customer Service and How to Deal With Irate Customers  (Municipal Clerks)
3:45 pm—5:00 pm  7) ASSE 5100 - Understanding of Backflow Prevention Testing Procedures, Certifications and Recertifications  (Plumbers)
5:00 pm—7:00 pm  Meet & Greet in Dover Building

Wednesday, February 26, 2020
8:00 am—12:00 pm  Registration & Exhibit Hall Open (Exhibit Hall Will be Closed From 12:00 pm - 2:00 pm)
8:00 am—10:00 am  Continental Breakfast in Dover Building
3:15 pm—4:15 pm  9) Proper Screening Methods and How It Affects Process Control in W/WW Utilities  (W - D & WW - D)
12:00 pm—2:00 pm  Lunch in Exhibit Hall Building
2:00 pm—5:30 pm  Registration & Exhibit Hall Open
2:00 pm - 3:00 pm  10) Utility Damage Prevention & Safety  (W - ID & WW - ID)
3:15 pm—4:15 pm  11) Wastewater Microbiology & Higher Life Forms for Process Control  (WW—D)
12:00 pm—2:00 pm  Lunch in Exhibit Hall Building
10:45 am—11:45 am  12) Implementing an O&M Program for Chemical Feed Systems  (W - D & WW—D)
13) ABC’s of Variable Frequency Drives (VFD’s)  (W - D & WW - D)
4:15—5:30 pm  Social Event in Exhibit Hall

Thursday, February 27, 2020
8:00 am—1:30 pm  Registration/Exhibit Hall Open
8:00 am - 10:00 am  Continental Breakfast in Dover Building
9:30 am—10:30 am  15) Implementing a Distribution Flushing Program Plan  (W - D)
10:45 am—11:45 am  16) The Role of Polymers and Additives in the W and WW Treatment Process  (W - D & WW - D)
10:45 am—11:45 am  17) Math for Utility Operators  (W - D & WW—D)
18) Oxidation Ditch WW Treatment Operations and Troubleshooting to Control Process  (WW—D)
12:00 pm—2:30 pm  Lunch in Dover Building - Raffle Prize Drawings (Ice Cream 12:00—2:30 pm)
1:30 pm  Exhibitor’s Tear Down Booths
1:30 pm—2:30 pm  19) Utility Damage Prevention & Safety (Class # 10 repeated)  (W - ID & WW - ID)
3:00 pm—4:00 pm  20) SCADA Software in the Water and Wastewater Industry Process  (W - D & WW - D)
2:30 pm  Conference Concludes
1) **What You Need to Know About the Current & New Amendments to the IPC**
   Plumbers
   Code officials recognize the need for a modern up-to-date plumbing code which addresses the design & installation of plumbing systems through requirements emphasizing performance. This session will review the current standards and provide any newly adopted regulations referenced in the 2015 IPC.
   Nick Azmo, Watts, Chuck Davidson, DHHS, Plumbing Section, Charlie Robbins, M. Davis

2) **New & Upcoming EPA Requirements Including Disinfection Residual Monitoring**
   Water
   Accurate measurement of chlorine is essential in safe drinking water. To help water systems follow the QA procedures for chlorine measurement instrumentation required by EPA Method 334, Region 3, developed a training video that demonstrates chlorine calibration verification procedures for measuring chlorine residual in the field. Statutory requirements, deadlines, EPA Guidance and tools to assist CWS with meeting these requirements.
   Heather Arvanaghi and Patti Kay Wisniewski, EPA Region 3

3) **Low Pressure Sewer Systems and Grinder Pumps O & M**
   Wastewater
   This class will give a brief history of the creation of low-pressure sewers (lps), an introduction to lps design and implementation and choosing the appropriate pump & basic troubleshooting.
   Jason Miller, Freemire & Associates, Inc.

4) **Preventing Burns and Scalding Injuries from Tap Water**
   Plumbers
   Although the incidence of burns from hot tap water is far fewer than in the past due to improvements in plumbing engineering design, the pain and suffering and healing time make the problem a serious one. Attend this session to learn what precautions should be taken to prevent these injuries.
   Nick Azmo, Watts

5) **How To Prepare for Your Next On-Site Facility Inspection**
   Water & Wastewater
   The eight required elements of a sanitary survey plus state requirements and security. Attention will be given to major and minor deficiencies.
   Nicole Smith, DNREC, Kevin Cottman, DHHS and Anita Beckel, DRWA

6) **Customer Service & How to Deal with Irate Customers**
   Municipal Clerks
   All utilities will, at one point, have to deal with irate customers. Attend to understand the role of the customer service representative when dealing with irate customers.
   Debbie Duncan, DRWA

7) **ASSE 5100 - Understanding of Backflow Prevention Testing Procedures, Certifications & Recertifications**
   Plumbers
   Charlie Robbins, M. Davis and Chuck Davidson, DHHS, Plumbing Section, Nick Azmo, Watts

8) **Contaminants of Emerging Concern: A Challenge for Public Drinking Water Systems**
   Water and Regulatory Agencies
   Contaminants for emerging concern, or emerging contaminants, are a group of natural or synthetic chemicals (and their byproducts) which may not be regulated and may be harmful to human health.
   Keith Harrison, ODW

9) **Proper Screening Methods and How It Affects Process Control in W/WW**
   Water & Wastewater
   This is a comprehensive look at water/wastewater screen intakes in the process of collection systems and plants.
   Chad Vore, Parkson Corporation

10) **Utility Damage Prevention & Safety**
    Water & Wastewater
    Dora Parks, Miss Utility
11) Wastewater Microbiology & Higher Life Forms for Process Control  
A brief introduction to basic microbiology as connected to wastewater treatment. The importance of monitoring higher life forms and the techniques involved in doing so will also be discussed.  
_Steve Leach, Maryland Biochemical_

12) Implementing an O&M Program for Chemical Feed Systems  
This class will identify what main types of pumps are available, how to put a maintenance program in place and the materials your pump needs to have on it to last.  
_Ken Dennis, Dennis Sales & Service, Inc._

13) ABC’s of Variable Frequency Drives (VFD’s)  
Although variable frequency drives (VFDs) are common in water and wastewater treatment plants for collection and distribution systems, the value they provide and how to properly select and use them are often not fully understood. This presentation will demystify VFDs providing a better understanding as to where and why you would use them.  
_Larry Stanley, ABB_

14) Hot Topics Informational Session  
PFAS—Are You Ready? - Lead & Copper Updates - NEW DRWA Apprenticeship Program Update  
_Seetha Coleman-Kammula, STRIDE, Anita Beckel, DRWA, Lynn Danner, DRWA_

15) Implementing a Distributing Flushing Program Plan  
The advantages of having a distribution flushing plan is to improve the cleaning of accumulated deposits on pipes that cause taste & odor complaints, provides valve and hydrant operations and addresses any maintenance needed. Distribution flushing can be an important component of a water use efficiency or conservation program.  
_January Reusch and Kenny Page, KCI Technologies, Inc._

16) The Role of Polymers and Additives in the Water and Wastewater Treatment Process  
The class will provide a general overview of the different types of polymers used in water & wastewater treatment. It will focus on organic polymers and the different uses for them. It will also cover other “poly” chemistries including polyphosphates and polyaluminum chlorides and their role in treatment.  
_Tim McComas, Coyne Chemical_

17) Math for Utility Operators  
Basic water/wastewater treatment math formulas for calculating chemical dosages.  
_Kevin Burdette, KNB & Associates_

18) Oxidation Ditch Wastewater Treatment Operations and Troubleshooting To Control Process  
A review of the oxidation ditch wastewater treatment processes along with common issues and troubleshooting and how this affects the process.  
_Jason Loar, Davis, Bowen & Friedel_

19) Utility Damage Prevention & Safety (Repeat Class # 10)  

20) SCADA Software in the Water & Wastewater Industry Process  
A review of architectures utilizing licensed and unlicensed communications technologies and review drivers in costs associated with legacy communication methodologies. The discussion will involve migration of moving to web-based solutions and the benefits/risks associated with these new platforms.  
_Steve Whelley, Whel-Tech_
Credit Hours

Documenting Your Attendance:

Registration is required when entering the conference for the first time. Please check in at the DRWA Registration desk located at the entrance of the Dover Building. Sign-in sheets will be in every training class you attend and you will be required to sign-in in order to obtain your credit hours for each class. Please print your name legible so that we can give you credit hours.

Maryland Operator Credit Hours:

Credit hours have been submitted to the State of Maryland for approval.

• **A Free Hat** will be given out to the first 100 attendees to register for this years’ conference.

• **50/50 Tickets** will be available for purchase each day

• **T-Shirts** will be given out free to all attendees at the raffle desk located in the Dover Building

• **Raffle items** will be available for viewing throughout the conference in the Dover Building. Purchase your tickets to participate in these drawings. Drawing for raffle items will be held on Thursday, February 27, 2020 from 12:00—1:30 pm in the Dover Building.

The **Ice Cream Truck** will be located outside the Dover Building on Wednesday, February 26, 2020 from 1:00 pm—4:00 pm and again on Thursday, February 27, 2020 from 12:00 pm—2:30 pm.

Wednesday Luncheon Keynote Speaker

The Mayberry Deputy, David Browning, will entertain and challenge the audience during the Wednesday luncheon. He will also be browsing throughout the exhibit hall to provide an atmosphere of good, clean fun. Browning says, “I value this character for what it gives people today, a laugh, a lift and memories.”
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Name of Person(s) Attending: _________________________________________________________

System Name: _____________________________________________________________________

Mailing Address: ___________________________________________________________________

City: _____________________________   State: __________    Zip: __________________________

Phone: ____________________    Fax: ___________________    Email: ______________________

Sponsorship Opportunity
As a “Friend of Rural Water” you can help Delaware Rural Water Association continue educating and supporting water and wastewater systems in Delaware.

I (we) would like to be a Friend of Rural Water

_____ $25    _____ $50          _____ $100          _____ $200      _____ Other Amount

Name for Special Recognition: ________________________________________________________

Contact Person: ____________________________    Email: ________________________________

Please Circle: System Personnel  Plumber  Municipal Clerk   Local Official

Payment Information

W/WW Members $50.00 / Non-Members $75.00 Per Person (through 2/1/2020)
W/WW Members $75.00 / Non-Members $100.00 Per Person (after 2/2/2020)
Plumbers $40.00    Municipal Clerks $ 20.00

Type of Payment: Visa/MasterCard  Check # ______________  PO #___________

Card # ___________________________    Name on Card: ________________________________

Exp. Date: ___________ CSV #______    Address: _________________________________

Signature: ________________________    City/State/Zip: _____________________________

Amount of Payment Enclosed:   ______________________

Complete & Return With Your Payment to:

Delaware Rural Water Association
210 Vickers Drive, Milford, DE  19963
302-424-3792 (ph) 302-424-3790 (fax) delawareruralwater@yahoo.com (email)