

## Why should I attend?

*This conference provides the perfect opportunity to obtain needed CEUs.*

*This is also a good way to meet new people and network with other professionals in the water/wastewater field.*

*You will receive excellent presentations, have a choice of optional sessions in your area of interest and be able to turn in your DNR form at the end of the conference to obtain your needed CEUs.*

Up to 1 CEU available for 2-day Conference

### FEATURED SESSIONS



#### **Locating Workshop**

Hands-on training with locating equipment. Learn the tips and tricks of the trade. You are welcome to bring your own equipment! (\*Class Limit 20 People )



#### **How Does the DNR Work?**

Ins and outs of DNR. How the department is organized and where to get your questions answered.



#### **Hands-On Pump Packing**

Learn the different types of packing and how to install packing properly.

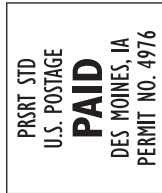


#### **Phosphorus Recovery**

Discussion of phosphorus recovery systems used in wastewater.

#### **Brought to you by**

⇒ The Iowa Section — American Water Works Association (AWWA)



AWWA-IA  
100 Court Avenue, Suite 203  
Des Moines, IA 50309



**For Water & Wastewater Operators  
And Maintenance**

# 2017 Spring Short Course

**NOW Includes:  
Maintenance  
Track!**

**REGISTER  
ONLINE TODAY!  
[www.ia-awwa.org](http://www.ia-awwa.org)**

- ⇒ It's Quick & Convenient!
- ⇒ Multiple payment options!  
(credit card, mail check, pay at the door)
- ⇒ Register Online & SAVE \$20!
- ⇒ Immediate Confirmation!

**FFA Enrichment Center  
DMACC Ankeny Campus  
April 10-11, 2017**

**Monday, April 10, 2017**

**Schedule 8:50-3:00**

**Combined Track**

- Safety– OSHA Walk Through
- How does DNR Work?
- Newest and Greatest Lab Equipment
- IDNR Water Update
- Ted Talk– Covers Nitrates, TTHM, Source Water

**Wastewater Track**

- Selecting the Right Pump
- IDNR WW Update

**Tuesday, April 11, 2017**

**Schedule 8:30-2:30**

**Water Distribution Track**

- Hydrant Maintenance
- Main Break Scenarios
- Water Tower Rehab for the 21st Century
- Locating Workshop– Classroom (\*Limit 20 People)
- Locating Workshop– Hands-On (\*Limit 20 People)

**Water Treatment Track**

- Plant Startup
- Chemical Feed and Dosing
- Source Water Protection– Wells
- Membranes vs Conventional Treatment
- Proposed Lead and Copper Rule Changes

**Wastewater Track**

- Energy Management
- Case Study– Lagoon to Mechanical Plant
- Collection System Maintenance and Repair
- Phosphorus Recovery
- Fats, Oils, and Greases

**Maintenance**

- Radio, Telemetry Basics, Troubleshooting, and New Technology
- Pump Packing (Hands-On)
- Selecting the Proper Paint
- Understanding and Calculating Pump Curves
- Lubricants 101

**0.1 CEU for each 1 hour session**

**Up to 0.5 CEU available each day**

**\*Limited Classes are on a First Come, First Serve Basis**

**Full Conference Registration**

(Online Registration Fees listed, add \$20 for paper forms.)  
(fees include continental breakfast, lunch, breaks, and CEUs)

**Register BY April 3**

\$190.00 Member  
\$220.00 Non-Member

**Register AFTER April 3**

\$215.00 Member  
\$245.00 Non-Member

**1-Day ONLY Registration**

**(Monday or Tuesday)**

**Register BY April 3– ONE Day ONLY**

\$130.00 Member  
\$160.00 Non-Member

**Register AFTER April 3– ONE Day ONLY**

\$155.00 Member  
\$185.00 Non-Member

Discounted Fees for Online Registration are listed above. An additional \$20 Data Fee applies for each paper registration form mailed in to AWWA-IA.

Refunds will be given if cancelled prior to April 3.  
No refunds will be issued for cancellations after April 3.  
Substitutions accepted.

**Location:**

**Des Moines Area Community College  
FFA Enrichment Center  
1055 SW Prairie Trail Parkway  
Ankeny, IA 50023**

The conference center has free wireless internet.

**Need a guestroom?**

Call Fairfield Inn & Suites, 215 NE Delaware Ave, Ankeny, IA 50021. Phone: 515-965-8400 and ask for the DMACC/ AWWA Short Course discounted rate.

**Hotel reservations are on your own.**



**REGISTER ONLINE**

**www.ia-awwa.org**

It is quick and convenient!

For complete Registration Details and to become a member of AWWA, visit our website, [www.ia-awwa.org](http://www.ia-awwa.org).

- ⇒ Register online & pay with credit card, mail a check or pay at the door.
- ⇒ SAVE \$20 by registering ONLINE (fees as listed on brochure include this savings)
- ⇒ Renew your annual AWWA membership.
- ⇒ \*Online registration receives priority for limited size classes and is on a first come, first serve basis.

**For Paper Registration Forms**

- ⇒ Add \$20 Data Fee for each paper registration form mailed to AWWA-IA.
- ⇒ Download/print the Short Course registration form found on the AWWA-IA website. Complete the form and FAX to: 515-284-7301 or Mail:

**AWWA-IA**

**100 Court Avenue, Suite 203**

**Des Moines, IA 50309**

- ⇒ For registration questions, please call the AWWA- IA Office at 515-283-2169.