



2018 SPRING Short Course

For Water & Wastewater Operators And Maintenance

April 9-10, 2018

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

◆ **REGISTER ONLINE** at www.awwa-ia.org (& Save \$20) **or submit this REGISTRATION FORM**

Name (please print or type): _____ 4-Digit IDNR Operator ID# _____

Company: _____ Position: _____

Address: _____

ADDRESS: Business or Home) Street City State Zip

PHONE: (_____) _____ Email*: _____

PHONE: Business or Home Email: Business or Home *MUST include for confirmation

***REGISTER ONLINE AT www.awwa-ia.org & SAVE \$20!**

◆ Fees (include lunch, breaks, handouts and CEUs) Check appropriate boxes:	Member rate BY 4/2/18	Non-Member rate BY 4/2/18	Member rate AFTER 4/2/18	Non-Member rate AFTER 4/2/18
<input type="checkbox"/> Full Course > Both days	<input type="checkbox"/> \$210.00	<input type="checkbox"/> \$240.00	<input type="checkbox"/> \$235.00	<input type="checkbox"/> \$265.00
Single day > <input type="checkbox"/> Monday only <input type="checkbox"/> or Tuesday only	<input type="checkbox"/> \$150.00	<input type="checkbox"/> \$180.00	<input type="checkbox"/> \$175.00	<input type="checkbox"/> \$205.00

Enclosed is a check payable to American Water Works Association, IA Section for \$ _____

Charge \$ _____ to → Visa MasterCard #: _____

Print name on the card: _____ Exp. Date: _____ CVC: _____

Authorized Signature: _____

Send form & payment to:
AWWA-IA
100 Court Avenue, Suite 203
Des Moines, IA 50309
Phone: 515-283-2169
Fax: 515-284-7301
Email: info@awwa-ia.org

◆ **TO REGISTER: Check the boxes below for every program you plan to attend.**
Visit www.awwa-ia.org for more details, to register online (Save \$20) and a download a printable agenda.

MONDAY ~ April 9, 2018

Combined Track

- 9:00-10:00...Trench Safety - (WD/WT/WW)
- 10:15-11:15...National Climate Assessment (WD/WT/WW)
- 11:15-12:15...Communicating When the Stakes are High (WD/WT/WW)

Water Combined Track

- 1:00-2:00...IDNR Water Update (WD/WT)
- 2:00-3:00...Impacts of Ammonia in Groundwater on Public Water Systems & Effective Response Measures (WD/WT)

Wastewater Track

- 1:00-2:00...Algal Treatment for Nitrogen and Phosphorus (WW)
- 2:00-3:00...Certification – What You Need to Know (WD/WT/WW)

TUESDAY ~ April 10, 2018

Water Distribution Track

- 8:30-9:30...Water Storage Tank 101 (WD/WT)
- 9:30-10:30...Ductile Iron Pipe 101 (WD/WT/WW)
- 10:45-11:45...Control Your Surges (WD/WT/WW)
- 12:30-1:30...Pipe Restraints – Why and How (WD/WT/WW)
- 1:30-2:30...Proper Procedures of PVC Water Main Installation (WD)

TUESDAY ~ April 10, 2018 continued...

Water Treatment Track

- 8:30-9:30...Sanitary Survey Procedures (WD/WT)
- 9:30-10:30...Source Water 101 (WD/WT)
- 10:45-11:45...O&M Differences between Lime Softening & RO Plants (panel) (WT)
- 12:30-1:30...Chloramination Case Study (City of Fort Dodge) (WD/WT)
- 1:30-2:30... Chapter 81 – Back to the Basics (WD/WT/WW)

Wastewater Track

- 8:30-9:30...Issues Effecting Lagoon Operations (WW)
- 9:30-10:30...Activated Sludge Microbiology (WW)
- 10:45-11:45...Pipe Rehabilitation – Line, Replace, or Punt? (WW)
- 12:30-1:30...High Strength Wastewater (WW)
- 1:30-2:30...SBR Facilities at Former Aerated Lagoon Sites (WW)

Maintenance Track

- 8:30-2:30...Valve Applications, Maintenance, & Repair (WD/WT/WW)
- 9:30-10:30...Sanitary Survey Maintenance Aspects (WD/WT/WW)

Please Note: the Maintenance Track classes are only offered in the first two morning timeslots so attendees will need to sign up for another track in the other timeslots to receive full CEU credits.

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. The conference center has free wireless internet.

◆ **Early Registration Deadline: April 2, 2018.** Visit www.awwa-ia.org for more information or to Register Online & pay with credit card or check. Online registration receives priority for limited size classes. ◆ **Cancellation Policy:** Refunds given if cancelled prior to April 2. No refunds will be issued for cancellations after April 2.

Registration questions: Contact the AWWA- IA Office at 515-283-2169 or info@awwa-ia.org.

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