



American Water Works Association

Iowa Section

2018 FALL Short Course

For Water & Wastewater Operators And Maintenance

August 28-29, 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 paper **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 8/20/18	Non-Member rate BY 8/20/18	Member rate AFTER 8/20/18	Non-Member rate AFTER 8/20/18
<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"/> Tuesday Only <input type="checkbox"/> or Wednesday 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.

TUESDAY ~ August 28, 2018

Combined Track

- 9:00-10:00...PPE for ROW Work (WD/WT/WW)
- 10:15-11:15...Energy Conservation/Alternative Energy Sources (WD/WT/WW)
- 11:15-12:15...Interacting with the Public (WD/WT/WW)

Water Combined Track

- 1:00-2:00...IDNR WS Update (WD/WT)
- 2:00-3:00...Discussion of Events in Creston/SIRWA (WD/WT)

Wastewater Track

- 1:00-2:00...Activated Sludge (WW)
- 2:00-3:00...IDNR Wastewater Update (WW)

WEDNESDAY ~ August 29, 2018

Water Distribution Track

- 8:30-9:30...How to Tap a Water Main (WD/WT)
- 9:30-10:30...Pressure Testing and Disinfection (WD/WT/WW)
- 10:45-11:45...Nitrification in Water Systems (WD)
- 12:30-1:30...Cross-Connection Control Program (WD/WT/WW)
- 1:30-2:30...West Des Moines Water Works Meter Modernization Project (WD)

Water Treatment Track

- 8:30-9:30...Lime Softening (WT)
- 9:30-10:30...Rate Setting Basics (WD/WT/WW)
- 10:45-11:45...Chemical Feed Systems (WD/WT/WW)
- 12:30-1:30...Advance Surface Water Treatment Technologies (WD/WT)
- 1:30-2:30...Operator Panel Discussion: Small, Medium & Large Treatment Plant Operation (WT)

WEDNESDAY ~ August 29, 2018 continued...

Wastewater Track

- 8:30-9:30...FOG Control and Why (WW)
- 9:30-10:30...Solids Treatment Options (WW)
- 10:45-11:45...Lagoons, Lagoons and More Lagoons (WW)
- 12:30-1:30...Math for Operators (WD/WT/WW)
- 1:30-2:30...Operator Panel Discussion - Upgrades, Changes, Newer Technology (WW)

Maintenance Track

- 8:30-2:30...Electrical Fundamentals (WD/WT/WW)
- 9:30-10:30...Reading Electrical Schematics (WD/WT/WW)
- 10:45-11:45...Electrical Tools & Instruments (WD/WT/WW)
- 12:30-1:30 & 1:30-2:30...Controls Basics, Nomenclature, Application, Specification (WD/WT/WW)
(2 hour class- must register & attend both)

◆ **Early Registration Deadline: August 20, 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 August 20. No refunds will be issued for cancellations after August 20.**

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

***REGISTER ONLINE at www.awwa-ia.org**

& SAVE \$20!

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.