



2019 SPRING Short Course

For Water & Wastewater Operators And Maintenance

April 15-16, 2019

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 4/5/19	Non-Member rate BY 4/5/19	Member rate AFTER 4/5/19	Non-Member rate AFTER 4/5/19
<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 Section
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 15, 2019

Combined Track

- 9:00-10:00...Drones & VR - (WD/WT/WW)
- 10:15-11:15...Navigating the IOSHA Silica Standard, Challenging...Yes, Impossible...No (WD/WT/WW)
- 11:15-12:15...How to Communicate with Utility Boards and City Councils (WD/WT/WW)

Water Combined Track

- 1:00-2:00...IDNR Water Update (WD/WT/WW)
- 2:00-3:00...Cross Connection Control (WD/WT)

Wastewater Track

- 1:00-2:00...North Liberty's Membrane Bioreactor & Nutrient Reduction Expansion Project (WW)
- 2:00-3:00...IDNR Wastewater Update (WW)

TUESDAY ~ April 16, 2019

Water Distribution Track

- 8:30-9:30...Tank Maintenance: Why and How? (WD)
- 9:30-10:30...Leak Detection & Corrosion/Cathodic Protection (WD)
- 10:45-11:45...Distribution System 101 (WD)
- 12:30-1:30...Main Break Response: System/DNR Perspectives (WD)
- 1:30-2:30...Distribution System Flushing (WD)

TUESDAY ~ April 16, 2019 continued...

Water Treatment Track

- 8:30-9:30...Water Microbiology 101 (WT)
- 9:30-10:30...Training New Operators – Panel Discussion (WT)
- 10:45-11:45...Water Treatment Membrane Technologies (WT)
- 12:30-1:30... Math (WD/WT/WW)
- 1:30-2:30... Wellhead and Source Water Protection: Big Picture and Funding (WT)

Wastewater Track

- 8:30-9:30...Jet Truck/Televising (WD/WW)
- 9:30-10:30...Established, Emerging and Future Nutrient Removal Technologies (WW)
- 10:45-11:45...Secondary Treatment at Cedar Rapids WPCF – Now and in the Future (WW)
- 12:30-1:30...Odor Control (WW)
- 1:30-2:30...VFD Application and Operation (WW)

Maintenance Track (2 hour class)

- 8:30-10:30...CL-17 & Turbidimeter Setup, Troubleshooting, and Maintenance (WD/WT/WW)

Please Note: The Maintenance Track class is a two-hour session and you MUST attend both. These 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 5, 2019.** 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 5. No refunds will be issued for cancellations after April 5. Registration questions: Contact the AWWA-IA Office at 515-283-2169 or info@awwa-ia.org.