



2017 SPRING Short Course

For Water & Wastewater Operators And Maintenance

April 10-11, 2017

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

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

◆ Fees (include lunch, breaks, handouts and CEUs) Check appropriate boxes:	Member rate BY 4/3/17	Non-Member rate BY 4/3/17	Member rate AFTER 4/3/17	Non-Member rate AFTER 4/3/17
<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.ia-awwa.org for more details, to register online (Save \$20) and a download a printable agenda.

MONDAY ~ April 10, 2017

Combined Track

- 9:00-10:00.....Safety– OSHA Walk Through- (WD/WT/WW)
- 10:15-11:15... How Does DNR Work? (WD/WT/WW)
- 11:15-12:15... Newest and Greatest Lab Equipment (WD/WT/WW)

Water Combined Track

- 1:00-2:00..... IDNR Water Update (WD/WT)
- 2:00-3:00.....Selecting the Right Pump (WD/WT/WW)

Wastewater Track

- 1:00-2:00.....Ted Talk– Covers Nitrates, TTHM, Source Water (WD/WT/WW)
- 2:00-3:00.....IDNR WW Update (WW)

TUESDAY ~ April 12, 2016

Water Distribution Track

- 8:30-9:30..... Hydrant Maintenance (WD)
- 9:30-10:30... Main Break Scenarios (WD)
- 10:45-11:45...Water Tower Rehab for the 21st Century (WD)
- 12:30-1:30... Locating Workshop– Classroom (*Limit 20 People) (WD/WW)
- 1:30-2:30..... Locating Workshop– Hands-On (*Limit 20 People) (WD/WW)

TUESDAY ~ April 11, 2017 continued...

Water Treatment Track

- 8:30-9:30..... Plant Startup (WT)
- 9:30-10:30... Chemical Feed and Dosing (WT)
- 10:45-11:45.. Source Water Protection– Wells (WT)
- 12:30-1:30... Membranes vs. Conventional Treatment (WT)
- 1:30-2:30..... Proposed Lead and Copper Rule Changes (WT/WD)

Wastewater Track

- 8:30-9:30..... Energy Management (WT/WD/WW)
- 9:30-10:30... Case Study– Lagoon to Mechanical Plant (WW)
- 10:45-11:45.. Collection System Maintenance and Repair (WW)
- 12:30-1:30... Phosphorus Recovery (WW)
- 1:30-2:30..... Fats, Oils, and Greases (WW)

Maintenance Track

- 8:30-9:30..... Radio, Telemetry Basics, Troubleshooting, and New Technology (WD/WT/WW)
- 9:30-10:30... Pump Packing (Hands-On) (WD/WT/WW)
- 10:45-11:45...Selecting the Proper Paint (WD/WT/WW)
- 12:30-1:30... Understanding and Calculating Pump Curves (WD/WT/WW)
- 1:30-2:30..... Lubricants 101 (WD/WT/WW)

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 is [April 3, 2017](http://www.ia-awwa.org). Visit www.ia-awwa.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 will be given if cancelled prior to April 3. No refunds will be issued for cancellations after April 3.

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

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