

DECEMBER 2017

ServiceLine

— The Official Publication of the South Dakota Association of Rural Water Systems —



ATC AGENDA | SDARWS RETIREMENT RECEPTION | RALLY INFO

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President's Message

Ron Gillen, SDARWS President



Join us at the 2018 ATC!

The 43rd Annual Technical Conference is approaching fast, and the staff at South Dakota Rural Water are busy behind the scenes gearing up for the event which kicks off Tuesday, January 9th at the Best Western Ramkota in Pierre.

Online registration is open, so check sdarws.com for everything you need to know – agendas, hotel information, and news regarding the upcoming conference. For those with smartphones, once you are registered online you will have access to our mobile app where you can manage your event registration, access event information on-the-go, and improve networking opportunities.

For our exhibitors, we will be offering two types of booth registrations: Full Conference Hallway (Tuesday and Wednesday) for \$450, and Wednesday Night at our Exhibit Hall for \$350, just like we've been doing for the past few years. Booth spaces are limited – so make sure to register soon to reserve your space!

This year's awards brunch will feature a public judging of the top three finalists in the SD Rural Water Taste Test. The winner chosen at this taste test will go on to represent South Dakota in the National Rural Water Taste Test held at the Rural Water Rally in Washington, DC in February. If your water system is interested in participating in the taste test, please make sure that they bring a quart-sized glass jar filled with water from your water system to the Registration Desk by 2:00pm on Tuesday, January 9th.

Exhibitors can again look forward to participating in various advertising sponsorships at this year's conference. Please visit www.sdarws.com/annual-conference.html to see what we still have available.

This year will also mark the last ATC for three longtime SDARWS employees who are approaching retirement – Executive Director Dennis N. Davis, Circuit Rider Morris Elcock, and Wastewater Technician Jerry Hemeyer. I would like to invite anyone who would like to say goodbye to these gentlemen to come to our Exhibit Hall at the Ramkota in Pierre on Wednesday, January 10th from 4-8pm. We will be hosting a special program at 7:30pm, and the retirees will be on hand to say their goodbyes. We hope to see you then. ♦



ServiceLine

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Training Calendar

JANUARY

23-25 – BASIC WATER TREATMENT

Spearfish Holiday Inn

305 N. 27th Street • Spearfish, SD 57783

This course is designed to assist those who will be attempting a class I Water Treatment Exam. This is a multiple day course starting a 8:00 a.m. on Tuesday and ending at Noon on Thursday (all times are local time). A minimum of 18 contact hours will be awarded for full attendance. Material covered is based on the ABC Need to Know Requirements for Class I Water Treatment.

30 – STABILIZATION POND WORKSHOP

Mitchell Highland Conference Center

2000 Highland Way • Mitchell SD 57301

This one-day class covers pond design, pond math, non-aerated ponds, pond microbiology, nitrification, pond problems, and lab work.

FEBRUARY

13-15 – BASIC WATER TREATMENT

Brookings Days Inn

2500 6th Street • Brookings SD 57006

This course is designed to assist those who will be attempting a class I & II Wastewater Treatment Exam. This is a multiple day course starting a 8:00 a.m. on Tuesday and ending at Noon on Thursday (all times are local time). A minimum of 18 contact hours will be awarded for full attendance. Material covered is based on the ABC Need to Know Requirements for Class I & II Wastewater Treatment, this course is NOT designed for those who wish to take the stabilization pond exam.

27 - MARCH 1 – WATER DISTRIBUTION

Spearfish Holiday Inn

305 N. 27th Street • Spearfish, SD 57783

This course is designed to assist those who will be attempting a class I through IV Water Distribution Exam. This is a multiple day course starting a 8:00 a.m. on Tuesday and ending at Noon on Thursday (all times are local time). A minimum of 18 contact hours will be awarded for full attendance. Material covered is based on the ABC Need to Know Requirements for Class I – IV Water Distribution.

MARCH

20-22 – WASTEWATER COLLECTION

Rapid City Ramkota

2111 N. LaCrosse Street • Rapid City SD 57701

This course is designed to assist those who will be attempting a class I through IV Wastewater Collection Exam. This is a multiple day course starting a 8:00 a.m. on Tuesday and ending at Noon on Thursday (all times are local time). A minimum of 18 contact hours will be awarded for full attendance. Material covered is based on the ABC Need to Know Requirements for Class I – IV Wastewater Collection.

APRIL

4 – STABILIZATION POND WORKSHOP

Aberdeen Ramkota

1400 8th Avenue NW • Aberdeen SD 57401

This one-day class covers pond design, pond math, non-aerated ponds, pond microbiology, nitrification, pond problems, and lab work.

10-12 – INTERMEDIATE WATER TREATMENT

Aberdeen Ramkota

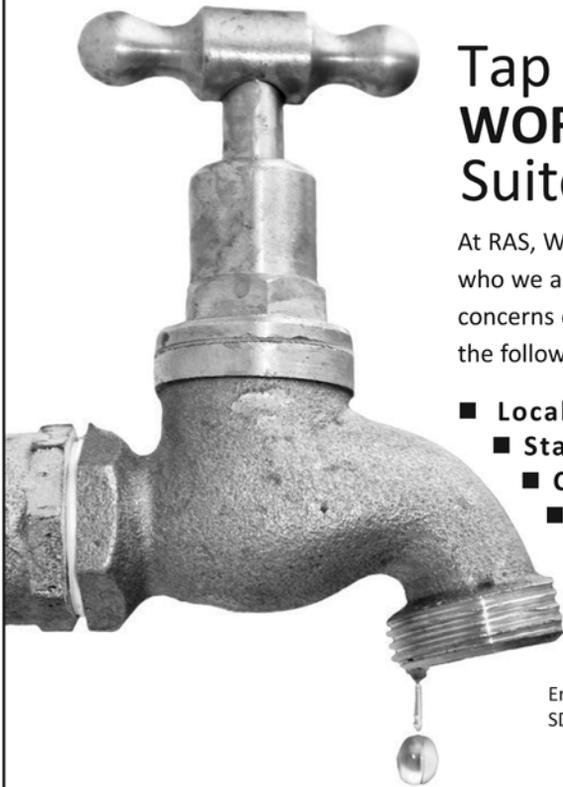
1400 8th Avenue NW • Aberdeen SD 57401

This course is designed to assist those who will be attempting a class II & III Water Treatment Exam. This is a multiple day course starting at 8:00 a.m. on Tuesday and ending at Noon on Thursday (all times are local time). A minimum of 18 contact hours will be awarded for full attendance. Material covered is based on the ABC Need to Know Requirements for Class II & III Water Treatment.

**REGISTER FOR CLASSES ONLINE AT:
go.activecalendar.com/sdarws**

Course agendas, maps and registration are all available online at www.sdarws.com. All classes are free unless otherwise noted. For more info on these and other events, visit www.sdarws.com or call 605-556-7219.

You can find the “Need to Know” document along with other information @ http://www.abccert.org/testing_services/2017WaterTreatmentExams.asp



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Storage Tank Maintenance

By Mike Moeller, SDARWS Circuit Rider

As I've traveled around this summer I had quite of few questions from area systems about water storage tank maintenance and who I would recommend performing maintenance on their tanks.

Water storage tank maintenance is a crucial part of any water system. More times than not I come across systems who have a storage tank, whether elevated or ground storage, that has gotten to the point of no return – meaning it has been in service for many years and no one has ever done anything to it. The tanks just sit there and become such a common part of their surroundings they forget about it until it's too late. When this happens, the outcome can be catastrophic to the water system.

Tank maintenance shouldn't be taken lightly and should be done on a regular basis. Both the interior and exterior of the tank need to be inspected. The coating on the tank needs to be maintained as problems are found then it needs to be addressed. The last thing you want is that little bit of coating that has flaked off to get moisture behind it because that will cause it to start to deteriorate the metal. Corrosion is a tanks worst enemy and may cause irreversible damage if not detected.

If your tank has a leak it should be repaired as soon as possible. The leak on the tank will only get worse and with time will cause more damage to the tank and will cost more money to repair. Some leaks on tanks are as simple as loosening a few bolts and filling the gap with a sealer and tightening it back down, but other leaks may require much more work such as a patch welded over the top of the leaking area or a complete panel on the tank replaced. Doing a visual walk around of your tank at least once a month may save your system major problems in the future.

Maintenance Companies

Who should I call when I have a problem with my tank? I get this question quite a bit and there are many answers that can be given. Deciding who to use to do repair or inspection work on your tank depends a lot on the tank. Some companies specialize in elevated storage tanks while other are more the ground storage tank type of company. Some things to consider when looking at who you should call for your tank maintenance are:

- What type of tank do I have and who works on these tanks.
- Are they insured and bonded?
- Do they have references and can you call them?
- Do you want to sign into a maintenance agreement with them and if so do they have any wording in the contract that leaves it open ended or the price not set in stone?
- Do they take videos or pictures to show you what they find?

Remember your water storage tank is one of the first things people see when coming into your community, and that reflects on you. If you take care of your tank it will bring a professional image to you and your system.



Blackhawk Water Users District's first water storage tank.

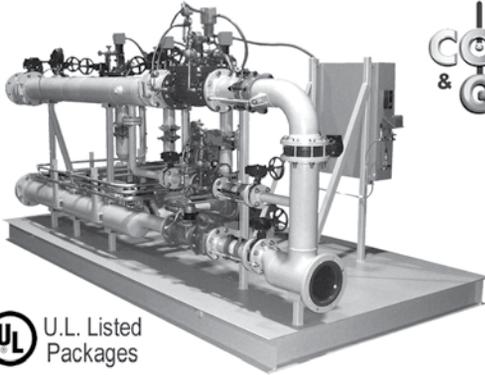


Tank coating about gone and rust starting.



Leak on a tank where the side wall meets the floor.

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2018

TENTATIVE SCHEDULE

MONDAY, FEBRUARY 5

Registration – 1-5:30pm
Welcome Social – 5:30pm

TUESDAY, FEBRUARY 6

Registration – 7:30-11am
Opening Session – 8:00 am
Congressional
Appointments

WEDNESDAY, FEBRUARY 7

Great American Water
Taste Test Finals – 12:00pm
Congressional
Appointments
Rural Water Social –
5-6:30pm

The Rural Water Rally provides an opportunity for supporters of our industry to make their case directly to their elected officials.

Rural Water Associations in each state schedule meetings with Representatives, Senators and their staff, so that they can share the Rural Water success story, answer questions and build important relationships.

Attending the Rural Water Rally also provides a unique opportunity to meet with association leaders and watch the Great American Taste Test in person.

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2017 RECAP

SOUTH DAKOTA RURAL WATER LEADERSHIP SEMINAR

By Jeremiah Corbin, SDARWS Source Water Protection Specialist

The eleventh Annual Leadership Seminar provided an opportunity for 79 attendees from 18 different systems to learn, network and discuss some of the most pressing issues in rural water today. This year's Leadership marked the fifth year that the Pierre Ramkota has hosted the event. The theme for this year's conference was: Three Organizations, One Purpose. The subject matter covered at the conference identified fundamentals of good governance and how systems, the state association and NRWA work together to move rural water priorities forward.

The 2017 seminar started with video from NRWA President Steve Fletcher's opening remarks at the WaterPro Conference in Reno. President Fletcher identified priorities for National Rural Water and what has been accomplished recently. One of their top priorities is to ensure that systems that want to remain autonomous will not be forced to consolidate with another

system. After the video, Ron Gillen provided a brief presentation on SDARWS's mission, vision and membership priorities. He then discussed the steps that an engaged board member takes to be involved in their system, the state and national levels.

NRWA provided their board certification presentation for the leadership seminar. Jeremiah Corbin, Source Water Protection Specialist presented this information, which included fundamental information on non-profit organizational structure, governance and IRS tax classifications. Another component of this training was a discussion on the shared responsibility of boards and the executive director. Key areas were identified for boards to focus on while areas that should be left to staff were identified as well. A flowchart that identifies NRWA's governing structure and grassroots membership was covered in the next session of this presentation. The presentation ended with a section on strategic planning, the importance of planning and

...continued on page 12





tips on successfully developing and implementing a strategic plan.

This year's leadership seminar saw an increased use of technology for delivering content. Claudette Attwood, NRWA CFO provided a presentation on financial responsibility. This presentation was delivered via Skype for Business, with Claudette joining us from Duncan, OK. This technology allows us to bring experts from across the country to present information live at a dramatically reduced cost.



Julia McCusker, with CoBank followed the financial responsibility presentation with information on financial ratios and additional fundamental information on financial reports. The main focus of her presentation was to provide attendees with the information that financing entities like to see at financially healthy organizations.

The final presentation of the afternoon was provided by Margo Northrup, SDARWS' attorney on fiduciary responsibility and how it is the main responsibility of board members, and how it can be a complicated and broad topic. Margo covered the key areas of fiduciary responsibility and gave attendees some sound fundamentals to utilize as they govern our rural water systems.



The keynote presenter for the conference was South Dakota Association of Rural Water Systems' President Ron Gillen. President Gillen discussed the similarities and difference of presiding over a rural water system versus the state association. Ron provided some insight into his expectations and passion for rural water.

The seminar resumed at 8:00 am the next day with Dennis N. Davis providing a presentation on the different faucets of SDARWS. Having served as the Executive Director for the past 38 years, Mr. Davis is a wealth of knowledge regarding SDARWS.



Following a break, utilizing Skype for Business, the NRWA Washington DC staff provided an hours' worth of information on how the DC staff leverage the national grassroots support to further rural water priorities. Bill Simpson, Michael Preston, Mike Keegan and Keith Heard. Additionally, NRWA Deputy CEO Matt Holmes dropped into the presentation as he happened to be in the DC office and was participating in a meeting the next office over. The DC staff also showed off their pride and joy – a stuffed pheasant with a squirrel accessory. This trophy resides on the top of a prominent shelf and provides inspiration to DC staff as a reminder of the grassroots supporters they are working for.

After the DC presentation, Dennis Davis returned for an encore presentation. Once Mr. Davis completed the SDARWS breakdown presentation, Ron Gillen thanked the attendees for their time and encouraged them for their feedback as we utilize that information for future leadership seminars.



This year's conference was video recorded to share this information to people who could not attend due to scheduling conflicts. A copy will also be provided to NRWA as this seminar will be utilized as a board certification training event for SDARWS who strives to maintain compliance with NRWA's board certification requirements.



The feedback received from this year's Leadership Conference has been very positive and attendees have provided topics to continue the conference well into the future. The 2018 Leadership Conference is scheduled for Wednesday, November 14 – Thursday the 15th at the Pierre Ramkota.



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SDARWS ATTENDS EMERGENCY RESPONSE TRAINING

Emergency: A Rural Water team starts loading diesel generators onto a semi-trailer while others methodically work through the process of connecting generators and bypass pumps. It's only a few weeks after hurricanes like Harvey and Irma made landfall, and 83 Rural Water experts from 23 states are in Cairo, Georgia, training for the next potential disaster.

The annual training has been a part of the National Rural Water Association's focus improving Rural Water's emergency response capability since Hurricane Katrina in 2005. The event was organized and hosted by the Arkansas Rural Water Association, Florida Rural Water Association, Georgia Rural Water Association and Louisiana Rural Water Association at FRWA's emergency warehouse in Cairo. SDARWS sent our newest Circuit Riders Greg Gross and Brant Ager for three days of hands-on training.

"I like to say that emergency response is what you do every day; if a community loses water it's an emergency for them," said Gary Williams, FRWA Executive Director. "What we're training for is when the emergency is more widespread."

The event is designed to cover all aspects of emergency response, from planning and management, to loading and unloading heavy equipment, to connecting emergency generators. These are the foundational skills for emergency response, but each disaster is unique and they often require responders to adapt to those new situations.

"These hurricanes were bad, but they weren't like Hurricane Rita," said Patrick Credeur, LRWA Executive Director, in reference to another, powerful 2005 hurricane that struck Louisiana. "Rita's 20-foot storm surge washed away over 500

homes in the Holly Beach community and pushed the debris 18 miles inland. It was total devastation."

Dennis Sternberg and Jeff Ford from ARWA discussed practical equipment upgrades for associations interested in acquiring their own generators or other emergency response equipment. The primary recommendation was to implement a GPS-based fleet tracking solution that would allow the association to track and manage equipment used during the emergency.

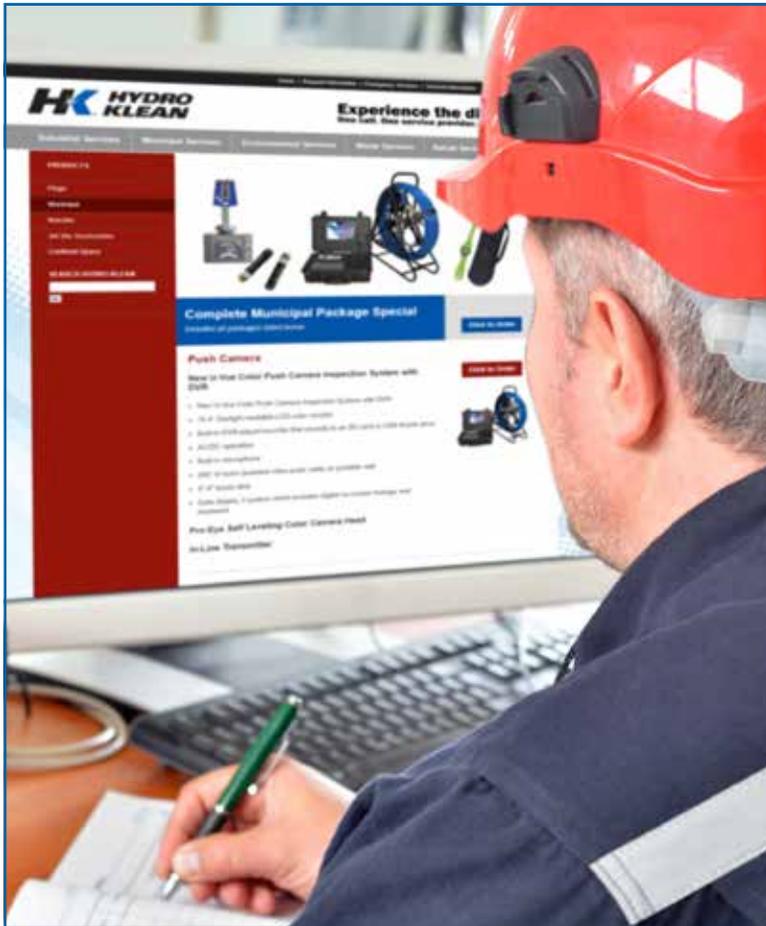
"If it moves; we know about it," Ford said.

Amy Rammo-Kuhs from the Georgia Department of Natural Resources Environmental Protection Division gave a presentation about the operation of Georgia's State command centers during the recent disaster. She also presented coins to employees from Fort Payne, Alabama, in recognition of the community's assistance to Georgia after hurricane Irma.

"I am grateful to have been able to learn from real life emergency experiences that many of our southern associations have. I learned how priceless the knowledge of a good operator is in an emergency situation. Over all I loved the class and hope to attend again in a couple years," said Brant Ager.

"I really enjoyed my time in Georgia and Florida. All of the state offices that helped out made our time there very beneficial. I was very interested in the generator segments. I learned how VFD's can make it possible for smaller generators to do the work of larger ones. This could be invaluable to many of our small towns that want to be prepared, but cannot afford large commercial generators," said Greg Gross. "Sharing work experiences with other circuit riders is always a good way to learn."





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ATC 2018

JANUARY 9-11

SOUTH DAKOTA RURAL WATER'S ANNUAL TECHNICAL CONFERENCE

Winter is upon us, which can only mean one thing – time to make plans to attend our 43rd Annual Technical Conference in January! The 2018 ATC will be our largest training event of the year for managers, operation specialists and board members. This year's conference takes place January 10-12 at the Best Western Ramkota Hotel and Conference Center in Pierre, SD.

Registration

Registration is open to members and non-members. To register, please visit our ATC website at www.sdarws.com/annual-conference.html. Registration fees can be found on page 18.

Training Sessions

This year's agenda offers a wide range of water and wastewater topics designed to educate and inform attendees on such topics as Chemical Storage, Safety & Handling, to Smartphone Data Collection. Our featured speaker is Joe Schmidt. You can read more about Joe on page 21.

Take a look at the pull-out agenda on pages 16-17 in this issue of *ServiceLine* and plan out the sessions you would like to attend.

Exhibit Hall

One of the favorite elements of the ATC is the Exhibit Hall where you can check out the latest and greatest products

available in the water and wastewater industry. Be sure to plan some time to visit the booths located in the hallways during the conference as well as inside the Exhibit Hall on Wednesday evening from 4:00pm - 8:00pm. This year the exhibit hall will be hosting a special program for three SDARWS retirees – Dennis Davis, Jerry Hemeyer, and Morris Elcock at 7:00pm. The retirees will also be on hand to say their goodbyes in a designated area inside the exhibit hall. We encourage anyone who would like to say goodbye to these gentlemen to stop on by and join us for the evening.

Spouse Program

We are encouraging everyone attending to bring along their spouse. This year the spouses will be creating a seasonal stacker block craft with Jennifer, as well as enjoying a nice breakfast and a catered luncheon in the Ramkota courtyard. Spouse registration is only \$25 and also includes entry into our Exhibit Hall and our Awards Brunch.

Limited Booth Spaces Available

For Associate Members interested in exhibiting at the conference, the exhibit booths are reserved on a first-come, first served basis, and we are almost filled up. Our Hallway booths are sold out, but there is still some room in the Exhibit Hall. Reserve your space online by visiting www.sdarws.com/annual-conference.html. ♦

Pierre Ramkota Hotel & Convention Center
www.sdarws.com/annual-conference.html

JANUARY 9-11 ATC 2018

SOUTH DAKOTA RURAL WATER'S ANNUAL TECHNICAL CONFERENCE

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SCHEDULE OF EVENTS

TUESDAY

JANUARY 9, 2018

8A - 4P	CONFERENCE REGISTRATION – Registration Desk
8A - 4P	WATER PAC RAFFLE – Lobby Area
8:00 AM	BREAK TABLE – Lobby Area

EDUCATIONAL SESSIONS SPONSOR



TIME	GALLERY D-E	GALLERY F	GALLERY G	LEWIS & CLARK	L. FRANCIS CASE	LAKE SHARPE B
10:00 AM	<i>Top of the Tower</i>	<i>Environmental Requirements of SRF</i>	<i>Esri Collector 101</i>	<i>Big Sioux River Nitrate Monitoring</i>	<i>Rural Development</i>	11:00 AM - Quality on Tap! Editorial Board Meeting (This meeting is open to Rural Water managers, board members and office staff)
11:00 AM	<i>Technology Advances in Leak Detection</i>	<i>Hydro-Klean</i>	<i>GIS</i>	<i>Trench Safety</i>	<i>Chloramine Residual Optimization and Management</i>	
NOON	LUNCH – On your own					

AMPHITHEATER II
OPENING SESSION
Keynote Address
– Joe Schmit



Our keynote speaker is a man who has had a front row seat at some the greatest sports events in the last 30 years. He has interviewed the biggest names, covered the biggest events, and turned in some of the biggest expense accounts in TV history.

*Joe has won 17 Emmys and numerous awards for his community service. He just released his first book called *Silent Impact: Stories of Influence Through Purpose, Persistence and Passion.**

2:30 PM	BREAK TABLE – Sponsored by HR Green – Lobby Area					AMPHITHEATER II
3:00 PM	<i>Potable Water Tank Mixing and Aeration for Better Water Quality</i>	<i>Small Community Wastewater Treatment Solutions</i>	<i>Building an Accurate GIS System and Incorporate Asset Data Management</i>	<i>Zebra Mussels: What Do We Need To Know?</i>	<i>Non-Chemical Water Technologies Up To BAT</i>	Keynote Breakout w/ Joe Schmit
4:00 PM	<i>Proper Tracer Wire Installation (MRWA Spec)</i>	<i>Private Property 1/1 Reduction Options: A Case Study</i>	<i>Empower</i>	<i>Smart Wellfields</i>	<i>Two-Stage Filtration Pilot Study - Efficient, Effective Iron & Manganese Removal</i>	

Session topics and times are subject to change.

WWW.SDARWS.COM/ANNUAL-CONFERENCE.HTML

TIME	AMPHITHEATER I	AMPHITHEATER II	L. FRANCIS CASE A-B	LAKE SHARPE B
8AM-4PM	CONFERENCE REGISTRATION – Registration Desk			
8AM-4PM	WATER PAC RAFFLE – Lobby Area			
8:00 AM	Class B&C Member Caucus	Cellular AMI Systems	Diving into Digital Communications	SIGN UP TO USE THIS ROOM FOR CLIENT MEETINGS 605-556-7219
8:30 AM	8:15 AM 43rd Annual Membership Meeting (This is the Official Business Meeting of the SDARWS)	Billing and Asset Management	VFD/Pump Operations	
9:00 AM		BREAK TABLE – Sponsored by Butler Cat – Lobby Area		
9:30 AM				
10:00 AM	Rural Water Center Annual Meeting	Strategic Planning	Water Meter Technology	SIGN UP TO USE THIS ROOM FOR CLIENT MEETINGS 605-556-7219
10:30 AM		Merging Rural Water Systems - A Case Study	2-Way AMI	
11:00 AM				
11:30 PM	LUNCH – On your own			
1:00 PM	Legislative Panel - with Representatives for Sen. Thune, Sen. Rounds, and Rep. Noem	Iron and Manganese Treatment Optimization	South Dakota Retirement Systems	SIGN UP TO USE THIS ROOM FOR CLIENT MEETINGS 605-556-7219
1:30 PM		Water Sources in South Dakota		
2:00 PM				
2:30 PM	BREAK TABLE – Sponsored by CoBank – Lobby Area			
3:00 PM	Legislative Preview w/ Margo Northrup	DENR	South Dakota Retirement Systems, Continued	SIGN UP TO USE THIS ROOM FOR CLIENT MEETINGS 605-556-7219
3:30 PM		SDWARN		
4:00 PM	LEGISLATIVE RECEPTION AND TECHNOLOGY EXHIBITS – Grand Galleria			

2018 AWARDS BRUNCH SPONSOR



THURSDAY JANUARY 11, 2018

8:00 AM	LEGISLATIVE OPEN FORUM – Rooms D&E
9:30 AM	AWARDS BRUNCH – Sponsored by DGR – Rooms A-B-C

SPOUSE PROGRAM

WEDNESDAY

JANUARY 10, 2018

- 9:00 AM Continental Breakfast
- 10:00 AM Seasonal Stacker Craft w/ Jennifer
- 11:30 AM Spouse Luncheon
- 1:30 PM Rural Water Taste Test Finals



Don't forget to pick up your free ATC t-shirt at the SDARWS Booth!

DOES YOUR SYSTEM HAVE THE BEST DRINKING WATER IN SOUTH DAKOTA?

Bring a glass quart jar of your water to the 43rd Annual Technical Conference in Pierre

All entries must be submitted to the registration desk by 2:00 pm on January 9th in order to be entered into the contest. Entries must be submitted in a glass jar.

The winner's name will be announced at the ATC Awards Banquet on Thursday, January 11, 2018. The winner will go on to represent South Dakota at the NRWA Great American Water Taste Test in Washington, DC on February 7th, 2018.

ATTENDEE INFORMATION

Member Full Registration

\$230 (Standard)

\$200 (WaterPro Discount Standard)

\$205 (Early Bird - by 12.15.17)

\$175 (WaterPro Discount + Early Bird)

Member Full + Spouse

\$270 (Standard)

\$240 (WaterPro Discount Standard)

\$230 (Early Bird - by 12.15.17)

\$200 (WaterPro Discount + Early Bird)

Member Tuesday Only

\$155 (Standard)

\$125 (WaterPro Discount Standard)

\$130 (Early Bird - by 12.15.17)

\$100 (WaterPro Discount + Early Bird)

Member Wednesday Only

\$205 (Standard)

\$175 (WaterPro Discount Standard)

\$180 (Early Bird - by 12.15.17)

\$150 (WaterPro Discount + Early Bird)

Member Brunch Only

\$35 (Standard)

\$25 (Early Bird - by 12.15.17)

WANT TO SAVE \$30 ON YOUR ATC REGISTRATION? BECOME A MEMBER OF THE WATERPRO ONLINE COMMUNITY!

The WaterPro Online Community offers significant networking and professional advancement opportunities for NRWA members. The WaterPro OLC will allow you to network with utility personnel, access training on new technology and regulations, discuss utility-specific topics with your peers, and even manage your membership online.

Subscription to the Rural Water magazine – our award-winning quarterly publication has articles, legislative updates, commentaries and other timely information on local, state, national and world events. Individual membership is only \$49!

IN ADDITION TO \$30 OFF AT THE ATC, GET \$10 OFF AT THE 2017 WEST RIVER EXPO, AND \$10 OFF 2017 LEADERSHIP TRAINING.

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As a NRWA Individual Member, you will receive the following benefits designed to strengthen your network with utilities and professionals in the water and wastewater industry:

- Discounts on merchandise at the Rural Water Store, WaterPro Conference and online
- Access to the latest information on technology, regulation and funding through Water University webinars
- NRWA Membership lapel pin, certificate and wallet card
- Support funding for water and wastewater utilities – NRWA is a leading advocate for infrastructure funding, resulting in billions of dollars of funding
- Timely information on the impact your support is having throughout the water industry
- Verizon Wireless – Access to top tier discounts
- LifeLock Identity Theft Protection – Receive 30 Days Free + 10% off for the lifetime of your membership.

To learn more, please visit www.waterprocommunity.org/r/us/

EXHIBITOR INFORMATION

Exhibit Hall – \$400

- Exhibit in our Exhibit Hall/Legislative Reception on Wednesday evening from 4-8pm
- Booth registration includes full conference registration for two individuals

Setup: Wednesday, January 11th – 9:30am - 1:30pm

Exhibit: Wednesday, January 11th – 4:00pm - 8:00pm

Tear Down: Wednesday, January 11th – 8:15pm - 9:00pm

Full Conference Hallway – \$500 (SOLD OUT)

- Exhibit for the entire duration of the ATC (Tuesday, January 10th, and Wednesday, January 11th)

- Booth registration includes full conference registration for two individuals
- Booth will be assigned in the hallway area of the Ramkota Convention Center.

Setup: Tuesday, January 10th – 8:00am - 10:00am

Exhibit: Tuesday, January 10th – 10:00am - 5:00pm; Wednesday, January 11th – 7:30am - 8:00pm

Tear Down: Wednesday, January 11th – 8:15pm - 9:00pm

Additional exhibit personnel will need to register as an attendee. All booth spaces are 8-feet wide and contain electricity, a table, and two chairs. You must be a paid-up member of South Dakota Rural Water to reserve a booth. All registrations will be reviewed.



RETIREMENT RECEPTION



Dennis N. Davis
Executive Director
Retiring April 5, 2018
39 Years of Service



Jerry Hemeyer
Wastewater Technician
Retiring February 28, 2018
26 Years of Service



Morris Elcock
Circuit Rider
Retiring February 4, 2018
17 Years of Service

Join us at the ATC Exhibit Hall at the Ramkota Convention Center in Pierre, SD on Wednesday, January 10th from 4-8pm to wish our retirees a fond farewell and best wishes.

A short recognition program will take place at 7:00pm in the Exhibit Hall

Jerry and Morris will be the keynote speakers for the ATC Awards Brunch Thursday, January 11th at 9:30am where they will say their final goodbyes.

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Joe Schmit

2018 ATC KEYNOTE SPEAKER



Our 2018 ATC Keynote Speaker is a man who has had a front row seat at some of the greatest sports events in the last 30 years. He has interviewed the biggest names, covered the biggest events, and turned in some of the biggest expense accounts in TV history.

Joe has won 17 Emmys and numerous awards for his community service. He just released his first book called *Silent Impact: Stories of Influence Through Purpose, Persistence and Passion*.

Through Joe's keynote and breakout sessions, you will:

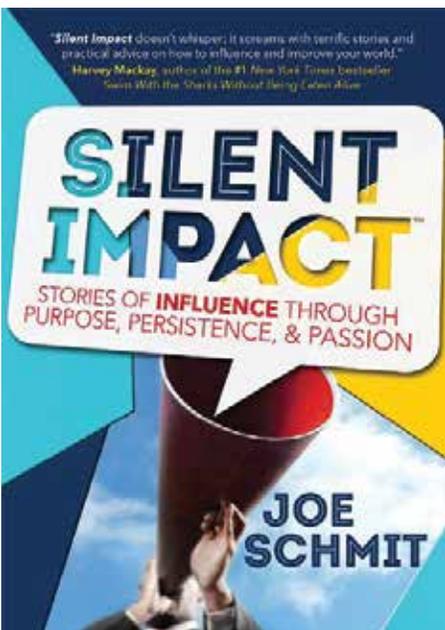
- Become more aware and intentional of the power of your impact.
- Identify your own "Mt. Rushmore of Influence" and emulate the traits that made these individuals influential.
- Develop "Impact Resolutions" for each month to help meet goals and improve the culture of your team or organization.
- Be inspired to implement the "Second Thank You" to a person of influence in your life.
- Learn how top leaders grow their business through meaningful connections.
- Be the person who would gather the biggest crowd for a going-away party
- Empower your team to realize that they are not in the (your industry) business but that they are in the relationship business.
- Earn loyalty by practicing the 3 P's: Purpose, Persistence, and Passion.

Through research, Joe has discovered the "we make our biggest impressions when we are not trying to be impressive." That is what *Silent Impact* is all about. Your success and happiness are not related to your title or how many awards you have won, but to the impact you have on others. Joe will teach you how to ramp up your influence so you make better connections, stronger relationships, and win more often.

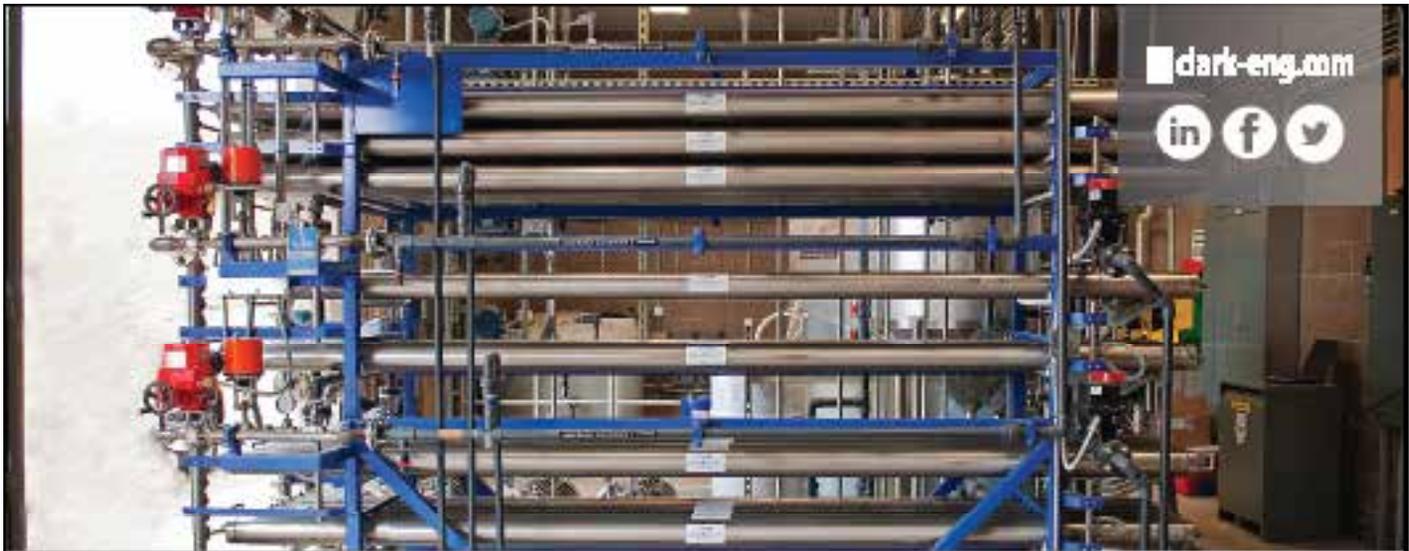
Joe Schmit is an award-winning broadcaster, community leader and popular keynote speaker (www.joeschmit.com). He joined KSTP-TV in 1985 and has won 17 Emmys from the National Television Academy. Joe is also a regular contributor on 1500ESPN radio.

Joe is past president and board member of the Big Brothers and Big Sisters of Greater Twin Cities. In 2000, he was the winner of the Jim Kelly Distinguished Service Award from Big Brothers and Big Sisters and in 2001, a winner of the Odyssey Award for commitment to youth mentorship. Joe was also honored as the Juvenile Diabetes Research Fund (JDRF) Community Leader of the Year in 2005. Currently, Joe is a member of the PACER Advisory Board and the Minnesota Vikings Advisory Board.

Joe and his wife Laura chaired a 5.5 million dollar capital campaign for VEAP, the largest food shelf in Minnesota.



SEE JOE LIVE!
TUESDAY, JANUARY 9TH
AMPHITHEATER II
KEYNOTE: 1:00 PM
BREAKOUT: 3:00 PM



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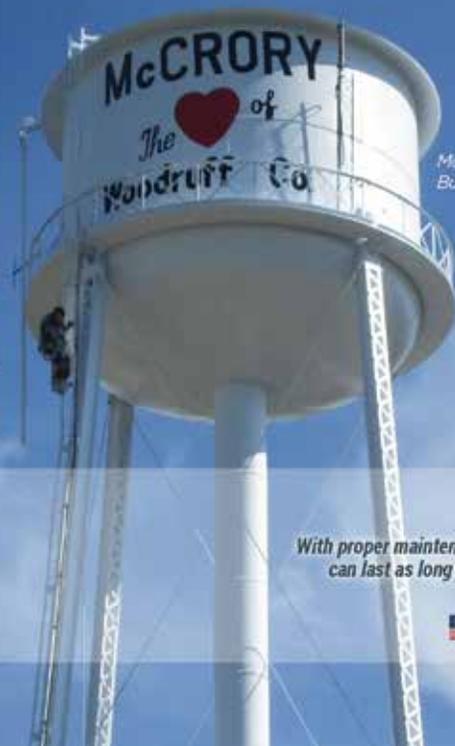
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1/2 Column	\$150	\$125
2 Column x 2"	\$150	\$125

*Ad rates are per issue

- February 2018
- 12.15.17 deadline
- April 2018
- 2.16.18 deadline
- June 2018
- 4.20.18 deadline
- August 2018
- 6.19.18 deadline
- October 2018
- 8.19.18 deadline

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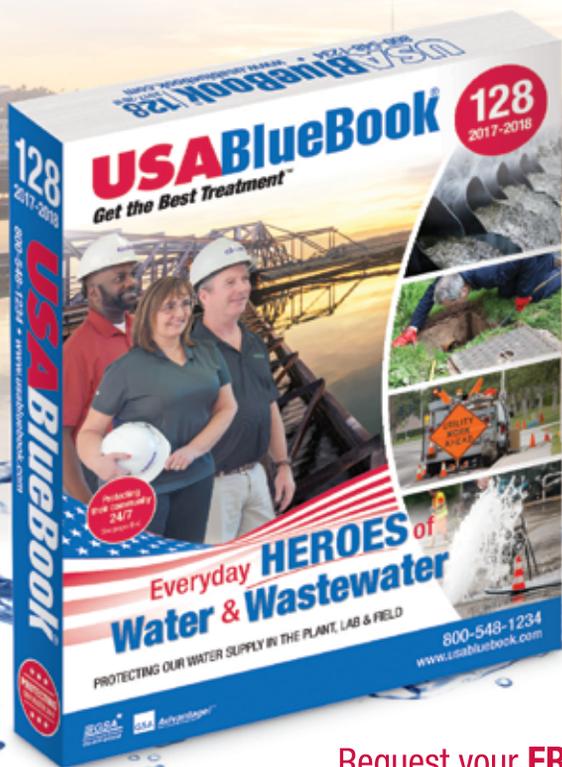
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A DAY IN THE LIFE OF A WASTEWATER TECH

JERRY HEMEYER

What was your first job?

I started working with Shesley Plumbing and Heating in 1970 laying sewer lines. I spent seven years at this job.

What was your first water or wastewater related job?

Laying pipe – I assisted with both water and sewer pipes. The deepest pipe I laid was 37 feet below the surface of the ground. At the start it was mostly clay tile. Some of the first water main I worked with was Abestos Cement pipe. In about 1976 was the first PVC pipe that I installed.

What does your typical day as a Wastewater Technician entail?

Usually I make appointments ahead of schedule for a certain area. In most cases these are based on requests. We then go and do the job that was planned. The rest of the week I travel around the area I am in. New operators are always on my list to visit when I am in an area. I try to be home on Thursday night and work on my paperwork on Fridays.

What's your favorite thing about being a Wastewater Technician?

The systems always make you feel welcome. There are some systems that I stop in when I'm having a bad day – they seem to know how to make you feel good about yourself. It is also interesting when a significant/positive change is made in a system. One case was when I helped poly pig a system's force main. Before the poly pigging the pumps were pumping 12 gallons per minute; after the pigging the pump generated 125 GPM. In another system I asked for a thank you letter or a letter to my our office saying a did a "bad" job from the Mayor. His response was that if someone wasn't happy with what I did, he would put him in a manhole and weld the lid shut. Comments like these make you feel good inside.

...continued on page 28



What's the most challenging job you've ever undertaken as a Wastewater Technician?

Working with the systems is great. In most cases the operators are excited about completing a smoke test, poly pigging, camera work or sludge judging. The most exciting and challenging event was the flood in Fort Pierre. The operators were great to work with from the young summer help to the top people in Fort Pierre. There were long days – 16 hour day was a normal work day during that time – but was great to see the confidence and completion of the work at hand.

Poly pigging can always be a challenge. You try to estimate the time it will take, and when the pig doesn't arrive on time it starts to become nerve racking. What went wrong? Is the pig stuck somewhere? What should we do? The pig always arrives – it is just is nerve wracking until it shows up.

How do you think water/wastewater systems could operate more effectively?

The biggest problem I see is when the operators and board members don't talk.

What's the best advice you could give to water/wastewater systems?

Get the board members to travel with you and show them what equipment you have and how it works. This way if the equipment needs work, you can bring the problem to the next meeting and they will know what the problems really are. Board members remember that the cheapest piece of equipment is the operator. Without a good operator none of the other equipment will work.

What advice would you give to a young person who wants to embark on a water or wastewater career?

This is one of the best jobs you can have. I love working with new operators and having them show me around their system and giving them suggestions on how to maintain it. As an operator the job changes every day – one day working with sewers, the next parks, then streets – always a different project every day. The downside is the public not understanding the job. A suggestion for when the public start to bother you, tell them you have to go to the lagoon system to work and that you will look into the situation. Looking for muskrats to shoot is always a good break. 💧



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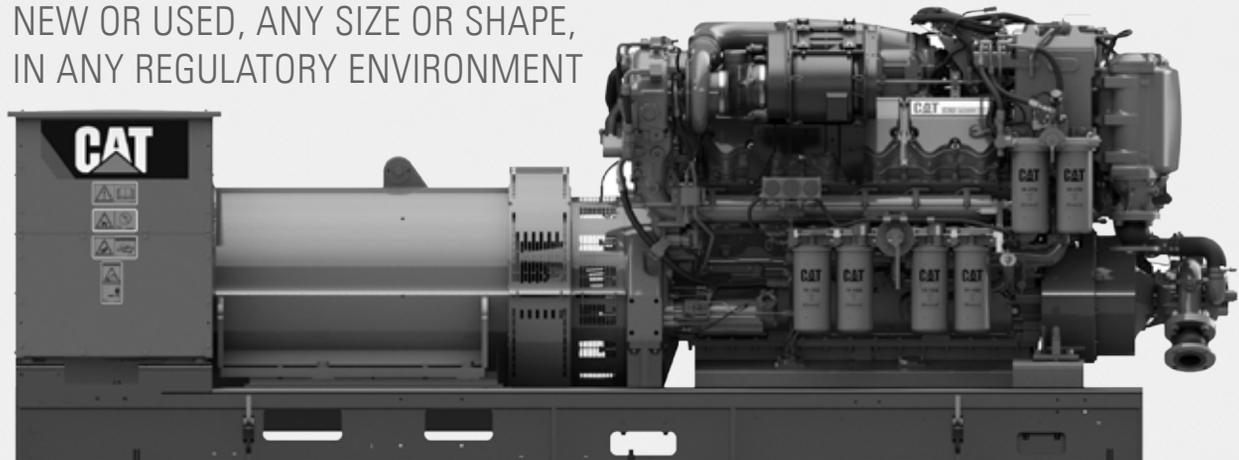
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Click on the logo to return to sdarws.com

Click here to search for classes based on keywords, locations or dates

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View classes as a summary, calendar, or list (shown) AUGUST 27, 2015 - NOVEMBER 25, 2015

Tuesday, September 1, 2015

Intermediate Water Treatment - Brookings
Starts: 9/1/2015 8:00 AM (CT)
Ends: 9/3/2015 11:30 AM (CT)

Click on the class title for details and registration info

email a class to a friend

Tuesday, September 29, 2015

Hydrant & Flushing Workshop - Rapid City
9/29/2015, 8:30 AM - 4:00 PM (MT)

tweet class to your Twitter followers

Wednesday, September 30, 2015

Hydrant & Flushing Workshop - Oacoma
9/30/2015, 8:30 AM - 4:00 PM (CT)

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SHARE IT

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Name	Description	Quantity	Update
Intermediate Water Treatment - Brookings	Topics covered include: wastewater lab testing & microbiology; activated sludge, trickling filter, sludge handling; anaerobic digestion; aerobic digestion, sludge land application, sedimentation, stabilization ponds; distribution, DMW's Surface Water Discharge Permits and advanced wastewater treatment; math. Day 1 & 2 - 8:00 a.m. to 4:30 p.m.; Day 3 - 8:00 a.m. to 11:30 a.m.	<input type="text"/>	Update

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ADDITIONAL INFO

Attachments: Intermediate Water Treatment Agenda

Agendas can be found here

REGISTER FOR A CLASS

3. REGISTER

Under the REGISTER section - enter the number of registrants in the QUANTITY box, click REGISTER, fill out the form, and submit. **It's that simple!**

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NRWA PARTNERS WITH DEPARTMENT OF LABOR ON APPRENTICESHIP PROGRAM

The National Rural Water Association, the nation's largest water utility association with more than 31,000 members, held a ceremonial signing in conjunction with the United States Department of Labor Nov. 14 on the rooftop of 101 Constitution Avenue NW, to launch a new nation-wide apprenticeship program.

The DOL will provide support for the NRWA as it continues to build the WaterPro Apprenticeship Program, which is set to become a nationally-recognized standard.

Twelve NRWA state affiliates will jointly make the announcement at training events held across the nation for water and wastewater operations specialists. These states are already working with to register their programs with the NRWA's national guideline standard. The announcement and events will commemorate National Apprenticeship Week 2017 and will highlight the need for a national water sector apprenticeship initiative.

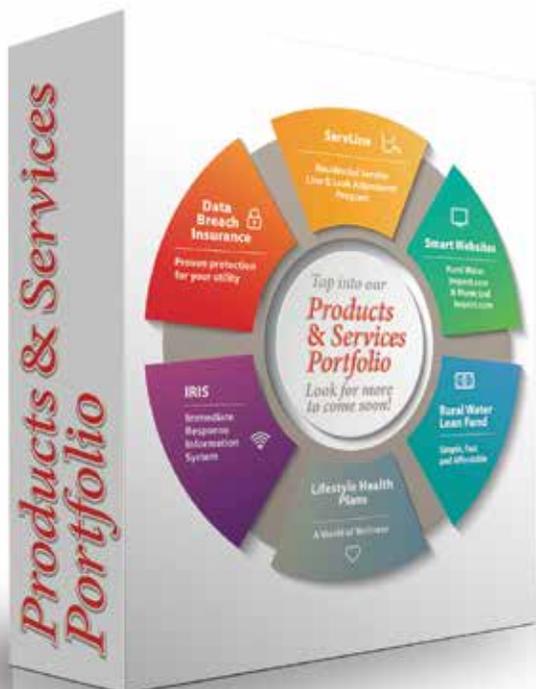
CoBank, a cooperative bank serving agribusinesses, rural infrastructure providers and Farm Credit associations throughout the United States, will underwrite \$250,000 to help establish the program.



It takes more than 380,000 highly-skilled water and wastewater personnel working to ensure the public supply of safe drinking water in the United States. Advancements in water treatment and supply technology have increased the skills and training required of this workforce. Water professionals are ultimately responsible

for meeting stringent regulatory standards, replacing aging infrastructure, recruiting and training new operations specialists, and responding to and recovering from disasters.

The WaterPro Apprenticeship program will be tailored to the specific needs of water system operations specialists and wastewater system operations specialists.




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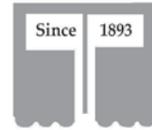
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Test Your Knowledge

Certification Practice Questions

1 The temperature versus DO relationship for wastewater is such that the

- a. higher the temperature, the higher the DO saturation level.
- b. higher the temperature, the lower the DO saturation level.
- c. lower the temperature, the lower the DO saturation level.
- d. none of the above.

2 The gas most commonly associated with aerobic wastewater is

- a. carbon dioxide.
- b. carbon monoxide.
- c. hydrogen sulfide.
- d. oxygen.

3 Sources of harmful radioactive isotopes in wastewater collection systems include

- a. hospitals.
- b. research labs.
- c. tracer studies.
- d. all of the above.

4 If 5 lb/hr of a chemical is fed into a flow of 550 gpm, how many mg/L are being applied?

- a. 12.4 mg/L.
- b. 18.2 mg/L.
- c. 27.0 mg/L.
- d. 33.0 mg/L.

5 "Hz" stands for

- a. cycles per second.
- b. hand control.
- c. horizontal phase.
- d. polyphase.

6 When a fire hydrant is operated, it should be

- a. just opened enough to have a flow.
- b. opened fully.
- c. opened halfway.
- d. regulated to flow required.

7 Results obtained from pipe roughness coefficient tests can indicate whether

- a. contamination is entering the pipe.
- b. the ability of the pipe to transmit flow is being hindered.
- c. the quality of the wastewater in the pipe is deteriorating.
- d. the size and number of leaks are increasing.

8 Anaerobic wastewater is frequently corrosive to materials it contacts, especially

- a. coal tar enamel.
- b. concrete
- c. PE
- d. PVC

9 The electrical disconnect for a pumping station motor can trip out under which one(s) of the following possibilities?

- a. clogged pump inlet.
- b. low temperature.
- c. strike by lightning.
- d. worn packing.

10 How can a closed-circuit television unit help to evaluate the condition of a wastewater collection system?

- a. chemicals can be applied for root control.
- b. effectiveness of cleaning techniques can be studied under various conditions in collection system.
- c. service lines to homes can be inspected.
- d. TV camera can remove stoppages.

Answer Key

1) B 2) D 3) D 4) B 5) A 6) B 7) B 8) B 9) C 10) B



2018 RURAL WATER RALLY

DENNIS N. DAVIS, EXECUTIVE DIRECTOR

South Dakota Rural Water does many things, and one of the most important benefit to our rural water membership relates to our legislative efforts. Every year the National Rural Water Association hosts a Rural Water Rally in Washington D.C. to further the work of providing drinking water and wastewater services to rural communities. Rural Water professionals, leaders and customers from every state attend the rally to thank their Senators and Representatives for their support and encourage them to further support the goals and needs of the Rural Water Industry. SDARWS has participated in the Rally since its inception in 1986, and 2018 will be no exception. The Rally provides your Association the opportunity to meet directly with our congressional delegation one-on-one to discuss concerns of SDARWS members and other systems, as well as with their staffers, and USDA. Guest speakers from legislative staffs and federal organizations, like the EPA and USDA, are invited by NRWA to share their views and insight to the assembled guests from across the nation.

SDARWS meets with both of our two Senators and our Representative; we also meet directly with their key staff members to make sure that rural water funding remains a priority. Our time at the Rally usually culminates with a meeting with the loan program specialists at USDA Rural Development. Managers and board members, and even employees of systems make the trek to

DC for this important endeavor.

State rural water associations operate contracts that are funded through the National Rural Water Association. This funding originates with EPA and the Rural Utilities Service (RUS), a division of the USDA. For SDARWS, and more importantly, the public we serve, those programs include three circuit riders, a wastewater tech, a source water protection specialist, and a part-time training specialist. While membership dollars help to support your association, we cannot cover the cost of staff and travel to provide assistance to systems without continued funding through the State of South Dakota, USDA, and EPA.

While the Rally began as an information meeting to make us aware of legislative and regulatory issues affecting our industry, it also prepares us to discuss these very issues with our legislators. There are a few mainline items that we always like to discuss during our time in DC. It is important to note that all rural water priorities are authorized in the Farm Bill or the Safe Drinking Water Act. They are not earmarks.

We invite you to join us February 5-7, 2018 at the Hyatt Regency on Capitol Hill. For more information, visit NRWA's Rally page at: nrwa.org/rally. Room reservations can be made at the Hyatt Regency by calling 202-737-1234. If you have any questions about attending this year's event, please call the SDARWS office at 605-556-7219. We would love to have you join us on the Hill! ♦



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