

FEBRUARY 2022

ServiceLine

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

RURAL WATER EXPO

April 26-27, 2022

**SAFE DRINKING
WATER WORKSHOPS
SCHEDULED FOR APRIL**

**2022 ATC
RECAP**

RURAL WATER WARRIORS FISHING TOURNAMENT - APRIL 29-30TH



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Cover Photo: Sunset near Crow Creek Tribal School in Stephan, SD. Photo Credit: Jennifer Bame - SDARWS

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FROM THE SDARWS PRESIDENT

RON GILLEN, SDARWS PRESIDENT

ATC RECAP

We were very happy to be back in Pierre for the ATC after having to cancel in 2021 due to the COVID-19 Pandemic. We would like to thank all of those who attended and participated in all the various aspects of our conference. Without all of your support, this conference would not be possible. We would especially like to thank all of our conference sponsors: Premiere Sponsor – AE₂S; Educational Session Sponsor – Bartlett & West; Awards Brunch Sponsor – DGR Engineering; Break Table Sponsor – Butler Machinery; Keg Sponsors – AE₂S, DN Tanks, DSG, Great Northern Environmental, HR Green, and Team Laboratory Chemical; Wine Sponsor – Direct Automation; Bag Sponsor Metering & Technology Solutions; Lanyard Sponsor – Banner Engineering; Charging Station Sponsor – SD 811. Check out page 16 for the recap. I would also like to thank all of our exhibitors (full list on page 19) – without you, our event would not be possible.

FISHING TOURNAMENT

The Rural Water Warriors are hosting the Annual Rural Water Fishing Tournament April 29-30th at the Outpost Lodge on Cow Creek Bay in Pierre. This tournament is limited to the first 40 teams of 2-3 fishermen, and is open to current water/wastewater, associate, or corporate members of SDARWS. The cost is \$150/team and includes lunch. The deadline to register is April 20th. More information can be found online at www.sdarws.com/fishing-tournament.html, or on the inside back cover of this issue of *ServiceLine*.

WEST RIVER EXPO

South Dakota Rural Water is pleased to host the 2022 Rural Water EXPO April 26-27. The EXPO will be held in Rapid City at a new location this year – the Holiday Inn Rushmore Plaza.

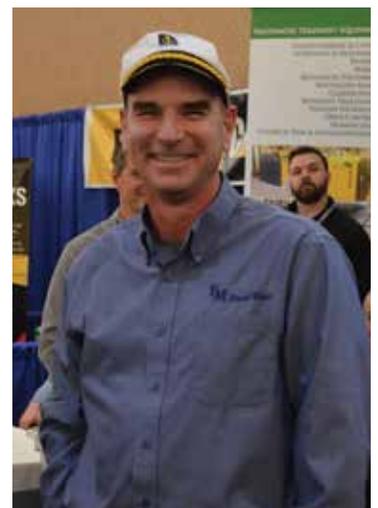
The EXPO is open to all water and wastewater utility staff, board/council members, engineers, State and Federal employees. The training will consist of twenty presentations, 30 minutes each, thus allocating ten contact hours for those individuals who are licensed operations specialists. Along with the training sessions, the EXPO will showcase many of our industry’s manufacturer and supplier leaders. These professional companies will be set up in the main EXPO training center for attendee easy access and to provide answers to those pressing questions. Many will be displaying the recent advances in technology our industry has witnessed over the past several years.

This year’s EXPO will kick off at 8:00 am Wednesday and conclude at noon on Thursday, with lunch provided on the first day. Registration is \$75, and SDARWS is able to bill for this fee after the conference. Please pre-register by visiting our website at: sdarws.com/rural-water-expo.html.

THE WINNING WASTEWATER BOAT NAME

One of the highlights of this year’s ATC was announcing the name of our new wastewater pontoon during the water taste test contest.

The winning name of “Clingy Dinghy” was submitted by Jay Jorgensen, manager of the TM Rural Water District in Parker. For his efforts, Jorgensen received a captain’s hat with the boat name embroidered on it. Congrats, Jay! 💧



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OPERATOR CERTIFICATION TRAINING AND EXAMS

INFORMATION REGARDING IN-PERSON & ONLINE CLASSES

Pre-Registration for in-person and online classes is required and will be limited. Those who have not pre-registered will not be able to attend in person due to room constraints. During the registration process the operator will be able to choose if they wish to attend in-person or online. Once the in-person limit has been reached any additional registrants will be for the online course. Online attendees will be sent a Zoom link and information on how to download course materials. In-person and online class times will take place in the time zone of the in-person class.

Vaccination rates and the course of the COVID-19 pandemic will determine when we can relax our social distancing requirements. If vaccination rates are high and the rate of new cases is low it may be possible to increase the number of people we can accommodate for in person training. Those operators who have pre-registered and were moved to online training will be notified in the event we can increase the number of in person attendees.

Classes start at 8:00 AM Tuesday through Thursday. Classes end at approximately 4:30 PM on Tuesday and Wednesday, and noon on Thursday. One-day Workshops start at 8:30 AM and end at 4:30 PM.

Basic Water Treatment	February 15-17, 2022	Spearfish: Holiday Inn	40 Registration Limit
OpCert Exam	February 17, 2022	Spearfish: Holiday Inn	40 Registration Limit
Wastewater Collection	March 1-3, 2022	Rapid City: Ramkota	40 Registration Limit
OpCert Exam	March 3, 2022	Rapid City: Ramkota	40 Registration Limit
Basic Wastewater Treatment	March 29-30, 2022	Watertown: Ramkota	40 Registration Limit
Basic Water Treatment	April 5-7, 2022	Sioux Falls: Ramkota	40 Registration Limit
OpCert Exam	March 7, 2022	Sioux Falls: Ramkota	40 Registration Limit
Small Water Treatment Workshop	April 28, 2022	Rapid City: Ramkota	30 Registration limit
Intermediate Water Treatment	May 3-5, 2022	Sioux Falls: Ramkota	40 Registration Limit
Advanced Wastewater Treatment	May 17-19, 2022	Rapid City: Ramkota	40 Registration Limit
Stabilization Pond Workshop	June 2, 2022	Huron: Event Center	20 Registration Limit

MORE CLASSES WILL BE ADDED TO THE SCHEDULE SOON!

For the most up-to-date schedule, visit: sdarws.com/certification.html

ATTENTION WATER/WASTEWATER SYSTEMS/OPERATORS:

Since 1970, DANR has been charging \$10 or less to take an Operator Certification Exam. The annual charge to renew a certificate has been \$6 or less. Obviously costs have increased since the 70's and DANR has been taking a significant loss every time a certification exam has been taken. The costs for an exam include the cost to have the exam corrected, exam room rental, per diem, and mileage.

SB 53 was proposed by DANR to allow us to charge what the actual cost of each exam is which is approximately \$60. The bill also eliminated the annual renewal fee. SB53 passed both houses of the Legislature and was signed by the Governor on February 24, 2021. The effect is that any OpCert exam taken after July 1, 2021 will cost \$60. With the renewal fee being eliminated, all operators that have the proper number of contact hours and

are still working in the water/wastewater field will have their certificates renewed automatically by DANR on July 1, 2021 and every February 1 after that. The operator does not have to do anything other than ensure they have adequate contact hours based on the certificates held. The operator will receive a notice via email or regular mail noting this.

Also please note that the certification classes offered by South Dakota Rural Water are still free and supported by a contract with DANR.

The three year period runs from February 1 of the renewal year back to February 1 three years previous. For example, for the 2022 renewal only the contact hours acquired between February 1, 2019 through February 1, 2022 are considered.

**For Study materials, visit: www.abccert.org/testing_services/ExamReferences.asp
REGISTER FOR CLASSES ONLINE: sdarws.com/certification-classes.html**



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CIRCUIT RIDER

2 Positions Available (East River & West River)

The Circuit Rider exists to provide technical advice and assistance to rural and small-town municipal water system operators within the state of South Dakota, and to manage the administrative affairs of the Circuit Rider Program. The Circuit Rider will be required to analyze situations, evaluate possible courses of action, make decisions, and give advice and recommendations regarding water system's operations to Association members, as well as to other users and non-members.

ESSENTIAL FUNCTIONS:

1. Technical Training and Assistance

- Provide timely technical assistance, which includes all areas of operations, maintenance, management, regulations compliance, water treatment and water conservation, to rural and small-town municipal water systems under 10,000 population (unless they are an RD borrower), in eastern and central South Dakota;
- Contact and offer assistance to a minimum of 30 water systems each month (360 per year), and ensure that on-site visits cover the eastern and central geographical areas of the state;
- Resolve water system's operational and maintenance problems in compliance with the Safe Drinking Water Act, and perform technical assistance as outlined in the State Affiliates / NRWA Agreement;
- Work with the DENR to help water systems comply with Safe Drinking Water Act regulations;
- Assist those facilities that are RD funded, or might be

eligible for RD funding;

- Provide emergency response assistance to members and non-members as directed by DENR.

2. Administrative Duties

- Attend staff meetings as well as meetings relating to water system's environmental issues and impacts on water systems, including DENR, AWWA, and SDWWA events;
- Complete and submit required reporting in a timely fashion, including providing monthly reports to NRWA, and information regarding contacts made and problems encountered;
- Assist with Conferences, EXPOs and Seminars when needed;
- Provide SDARWS and NRWA with an annual Operating Plan.

3. Public Relations

- Promote positive public relations with facilities, consumers, governmental agencies, and others regarding water issues, including developing and maintaining positive working relationships with individuals from state and federal agencies. (Includes RD, DENR, EPA, IHS, BOR and NRWA.)
- Visit the state and / or district RD officials at least quarterly.
- Promote membership in SDARWS to municipalities around the state.

- Develop informational articles for dissemination, including articles for the *ServiceLine Magazine*.
- Present educational talks and presentations at water-related associations or organizations.

4. Education

- Continually work to maintain an awareness of changing regulations, technical knowledge and information, in order to (a) provide the best advice and assistance possible, and to (b) teach and train others in necessary skills.
- Attend NRWA in-service training sessions for the purposes of gaining an updated technical knowledge of new practices and technologies in these fields, learning new reporting features, and discussing operating plans;
- Read and study new technical standards proposed and set by public and private organizations as well as research problems facing the water industry;
- Work actively with the Field Program Supervisor on technical assistance training programs.

OTHER FUNCTIONS:

The Circuit Rider will work directly with all other staff members, and will coordinate the activities of the position with the Field Program Supervisor. The Circuit Rider will also have contact with the SDARWS Board of Directors, Water / Wastewater facilities, facility personnel, government personnel, elected officials, technical organizations, and industry representatives. It is expected that the Circuit Rider will continually take the initiative to improve and strengthen these relationships, and will represent the SDARWS in the most effective and professional manner possible. It is expected that the Circuit Rider will continually work together through a team approach with the other Association employees in the areas of training and technical assistance.

While this summary should provide an excellent guideline for succeeding in this position, there may be other responsibilities and tasks assigned to the Circuit Rider from time to time by the Executive Director. There may be times when the Circuit Rider will need to assist others in the completion of their duties, and assume some of their responsibilities. It is expected that the Circuit Rider will have the flexibility and willingness to adjust to these changing needs.

QUALIFICATIONS AND REQUIREMENTS:

1. Education and Work Experience

- High school diploma, or equivalent
- Must have a Water Treatment and/or Distribution Operator's License.
- Must have a minimum of five years' experience in the operations of water systems

2. Skills, Knowledge and Abilities

- Must have a thorough understanding of the operations and maintenance of associated equipment;
- Successful candidates must have the ability to train others, either one-on-one or in a group setting;
- Must have the ability to present information, sometimes of a very technical nature, to an audience (e.g. a city council) who does not necessarily have technical training or knowledge;
- Must possess strong problem-solving abilities and communication skills;
- The Circuit Rider must be able to operate and service all equipment associated with a water system. This person will also need to operate general office equipment proficiently, including computers, keyboards, telephones, calculators, and other office-related machinery.

3. Physical Capabilities

- Extensive travel time is required. Up to 75% of the Circuit Rider's time will be spent outside of the office, accessing construction sites and water systems, visiting Association member offices, and will be required to attend numerous meetings associated with the position.
- Activities will range from extended periods of traveling by vehicle, sitting at the office and at meetings to considerable motion and physical activity when visiting systems.
- Physical activity will be varied, and at times strenuous, since the primary function of this position is to provide technical assistance and training to water system operators, at their operation's facility.
- Physical activities may include occasional lifting of up to 50 or 60 pounds, climbing ladders to access systems and /or equipment, and demonstrating equipment usage.

NOTE:

This position description is intended to provide a fairly comprehensive and accurate description of the position, but it will not cover all aspects, details or tasks required. Other functions, responsibilities and requirements may be assigned, and this position description may be changed at the direction of the SD Association of Rural Water System at any time.

The SD Association of Rural Water System is an Equal Opportunity Employer, and will consider applicants for all positions without regard to race, color, religion, national origin, genetic information, sex, age, disability or veteran status, or any other basis prohibited by South Dakota or federal law.

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Safe Drinking Water Workshop

AGENDA

8:30 AM Introductions and Agenda Review – Steve Attema, SDARWS

8:35 AM Lead and Copper Rule – Erin Fagnan, SDDANR

9:30 AM Stenner Pump Workshop – Mike Pontrelli, Stenner Pump
Hands-on training - Bring in and fix your non-working Stenner pump

**11:30 AM Working Lunch Provided by Hawkins Water Treatment
Water System Cybersecurity**

12:15 PM Proper Chemical Use – Tim Donovan, Hawkins Water Treatment

1:30 PM Control Valve Training – Andrew Lange, Singer Valve
Hands-on training for pressure reducing, relief, sustaining and altitude valves.

2:45 PM Chlorination / Chloramination – Steve Attema, SDARWS

3:15 PM Revised Total Coliform Rule & CCR Refresher

3:45 PM Adjourn

Contact Steve Attema for more information:

605-270-1766 or sattema@sdarws.com

REGISTER ONLINE: <https://bit.ly/3rp8t3A>

TUESDAY, APRIL 12

Ft. Pierre Fire Hall
305 N. Deadwood Ave.
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WEDNESDAY, APRIL 13

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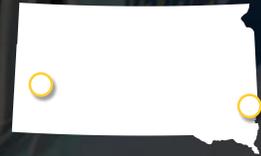
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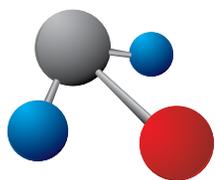
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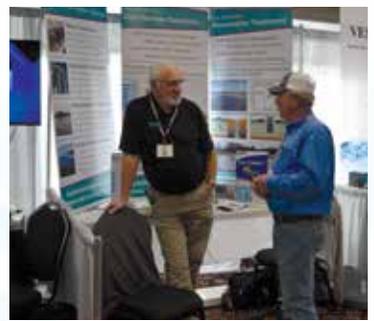
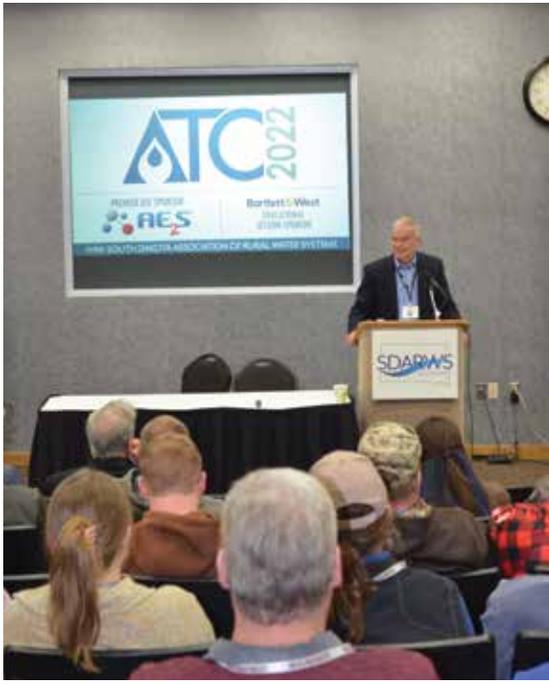
S DARWS was pleased to be able to host the Annual Technical Conference after having to cancel last year's event due to the Covid-19 Pandemic. While this year wasn't without it's hiccups in training schedules, exhibit hall changes, and even a last minute change in our keynote speaker (two days before showtime!) due to Covid exposures and infections, we were able to pull off a successful event. We were thankful to see all of our rural water friends in-person, and we are grateful for the flexibility of our attendees with the unforeseen changes.

Attendees enjoyed the many opportunities to visit with colleagues, learn about the new advances in the water and wastewater field, and attended several of the many classes offered. Our keynote speaker Mark Mayfield stepped in for scheduled speaker Holly Hoffmann, and gave an entertaining address on stress management, customer service, and managing change. Attendees were also able to tour the new Pierre Water Treatment Plant with the AE₂S crew. We were also pleased to host National Rural Water President David Baird from Delaware. Total attendance for this year's ATC totaled over 440 people and 77 exhibitors.

Additionally, our attendees made generous contributions to our WaterPac with donations totaling \$4,840. We are thankful for all of the support, and many thanks go out to our members and sponsors for another successful ATC. We hope to see you all again January 10-12, 2023 at the Ramkota Hotel & Convention Center in Pierre.💧

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– Mid-Dakota Rural Water System

WATER/WASTEWATER SYSTEM OF THE YEAR

– City of Delmont

MUNICIPAL OFFICE PERSON OF THE YEAR

– Sheila Gerhold, City of Castlewood

RURAL WATER OFFICE PERSON OF THE YEAR

– Megan Bergin, Randall Community Water District

RURAL WATER OPERATIONS SPECIALIST OF THE YEAR

– Dave Viet, TM Rural Water District

MUNICIPAL OPERATIONS SPECIALIST OF THE YEAR

– Victor Huber, City of Sioux Falls

RURAL WATER OPERATIONS SUPERVISOR OF THE YEAR

– Brandon Kinsley, West River/Lyman-Jones RWS

MUNICIPAL MANAGER OF THE YEAR

– Brad Mohror, City of Chamberlain

RURAL WATER MANAGER OF THE YEAR

– Terry Kaufman, Clark Rural Water System

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FRIEND OF RURAL WATER

– Mark Mayer, SD DANR

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– Lloyd Rave, Minnehaha Community Water Corp.

SPIRIT OF RURAL WATER

- Larry Wasland, Clark Rural Water
- Jesse Christianson, Brookings-Deuel RWS
- Guy Gronewold, Sioux Rural Water
- Bruce Jennings, DGR Engineering
- Andy Groos, Big Sioux Community Water
- Dan Carlson, Big Sioux Community Water
- Harold Haber, Brookings-Deuel Rural Water
- Dale Thompson, Kingbrook Rural Water
- Nick Jackson, SDARWS
- Jim Zeck, SDARWS

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– City of Sioux Falls



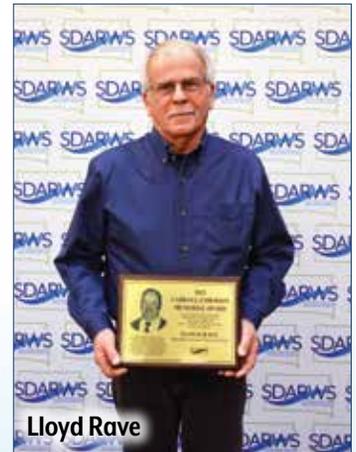
Megan Bergin



Sheila Gerhold



Terry Kaufman



Lloyd Rave



Mid-Dakota RWS



Terry Koupal

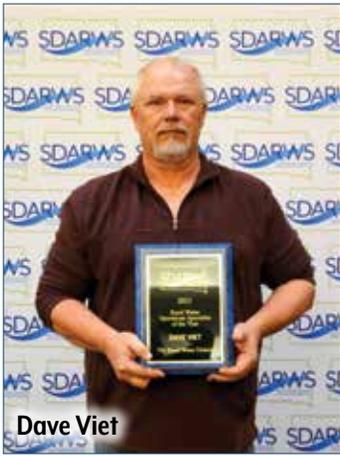


Mark Mayer



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NOT PICTURED:
DAN CARLSON
JIM ZECK



Dave Viet



Brandon Kinsley



Victor Huber



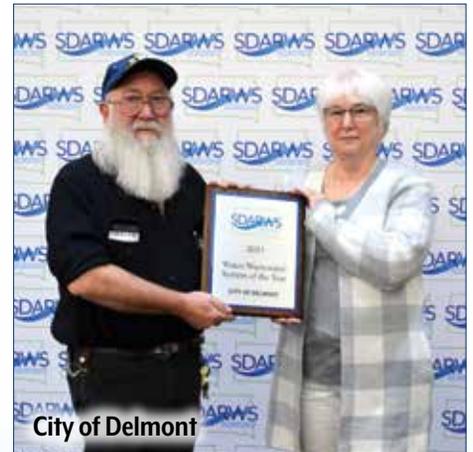
Brad Mohror



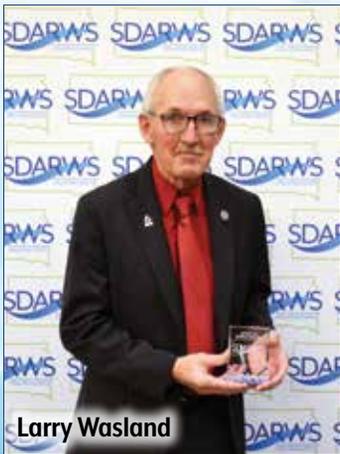
City of Sioux Falls



Hawkins



City of Delmont



Larry Wasland



Jesse Christianson



Guy Gronewold



Dale Thompson



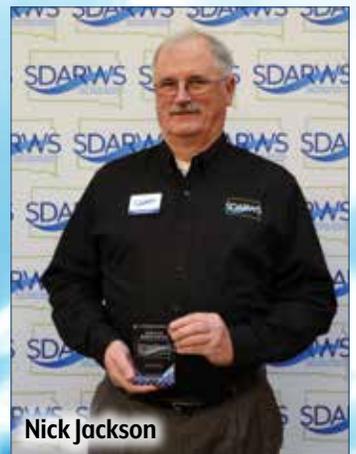
Andy Groos



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Nick Jackson



COMMON GROUND

By Donnie Stanton, Texas Rural Water Association FMT Assistance Specialist

Capital expense projects are an inevitable part of planning and operations in the water utility industry. Infrastructure will need to be expanded or replaced. The scope of these projects can prove challenging for any system, but often management can further complicate a major overhaul by neglecting the relationship between the system operators and the engineering consultant.

All operators have worked for systems where they could see where common-sense improvements could be added to make the distribution system or water plant work better. Many engineers come to a project with the knowledge of the latest technology and construction methods to make systems work better. But it can be tricky to get these two sides to meet in the middle. The best intentions of the operator and the engineer too often get disconnected by poor project management and lack of communication at all levels. Experience has taught this

operator that an effective management process can bring both parties together and end up with a project that exceeds expectations. Proper active management of this relationship is essential to the success of the project.

Throughout my career, I have heard operators complain that engineers never ask them anything and engineers argue that operators just don't know what they're doing. In some ways they are both right. Engineers often have preconceived ideas of operators and don't always fully appreciate their skill set and point of view, and operators often do not keep up with new processes and technologies in our changing industry. Operators and engineers have different points of view and ways of communicating; this needs to be understood and overcome before a project is planned.

Managers need to talk to system operators and establish a vision of what is ultimately needed from the project. The operator is the one who understands the personality of the system and can help navigate the project rollout. Management and operators

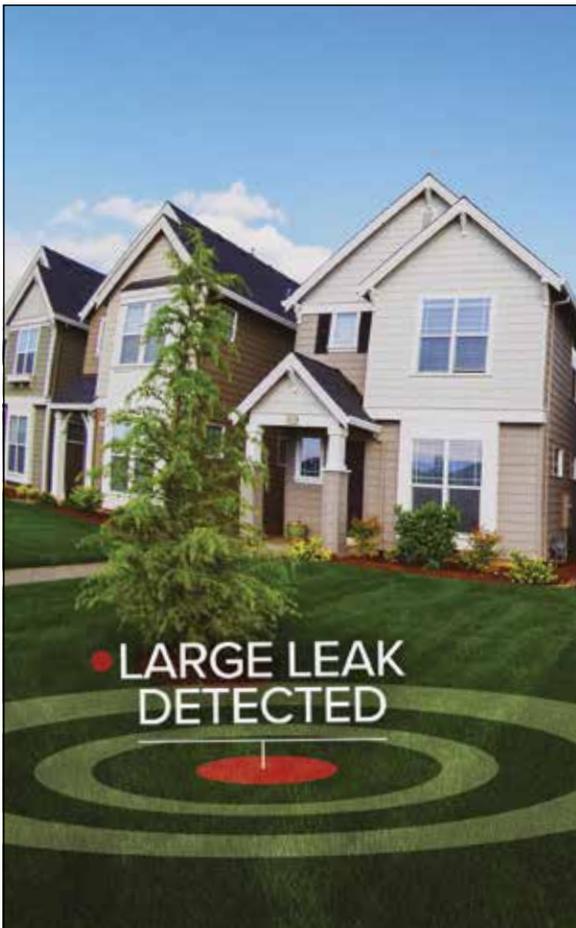
must help each other consider the long-term consequences of the changes, such as the mechanical access for maintenance and operations. This is the point where operators need to dream big and ask themselves, "What would make this project the best it could be?" Sometimes an operator's wish list may make a project even more efficient or cost-effective to operate. Operators also need to think down to the minor details: Where do you want the valves? Are you going to have enough room to perform maintenance? The grand vision of what is needed will be the first "rough draft" that everyone will have to work from. A successful manager will listen, take in all the operator's ideas and help them prioritize the importance of each part of the project without discounting anything. Engineers bring a skill set to the table that makes the owner's visions and needs come to life. It is up to them to manage the details of the plans and designs, assist the system manager in communicating to the regulators and manage the construction details of the project. Successful engineers will get to know each member of the staff they are serving and solicit input from everyone. A successful engineering approach will listen to both the operators, to know what is needed in the project for its day-to-day use, and to the system manager to know the limits, costs and other constraints. Some important information to gather from the operators include preferred or standard materials and equipment and the necessary level of control. The more information the engineer has about how the operators maintain and troubleshoot the system, the better they can design the project to meet their needs and expectations.

Everyone needs to be brought into the conversation at the start of the project, from the kickoff meeting onward. Introduce the participants to one another, define the scope of the project and solicit everyone's ideas about what is needed from their point of view. Successful managers figure out how to open those lines of communication between operators and engineers early in a project and help steer the project meetings to solicit effective comments from even the shyest staff member.

Engineers, operators, and managers all need to take time during the plan review stages to assure the project is meeting all the project goals and everyone's expectations. Each level of plan review needs to have a meeting to solicit comments from everyone involved. At the 30% design review, the project team, operators, and managers, should make any conceptual change to the project so the engineers can begin the detailed design. For the 60%, 90% and subsequent design reviews, the project team will be working to make sure the design meets the workability and ease of operability requested by the operators, the manager's expectations, and regulatory design requirements.

Managers must actively take control of the communications from the start when it comes to capital projects. When engineering consultants and operators learn to talk to one another, it encourages project buy-in and will ultimately yield a successful final product that benefits everyone. 💧

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OH, WHERE DID IT GO?

Jeff Fossum, Circuit Rider

How long ago did you say those words in the headline (possibly with a few key adjectives) about that elusive curb stop? With all the “jobs” that need to be done regularly, finding a curb stop that has been shut off for years can be quite a project. Then add to the excitement, the nicely finished living space is now getting to be colored a nice earthy brown or closer to a mud color. Now, look outside. Yes, we are in the middle of a South Dakota winter. Ask yourself, how are you going to control that water? If the calendar showed any month May-November, you would think, “easy.” Just get your locator in one hand and the shovel in the other, find the curb stop, uncover, remove the hex plug, drop the wrench in, and shazam the water is off.

Ok, just a few lines ago, I asked you to check the weather outside. Well, today, the temperature is cold, the wind is blowing, and it’s the weekend (or a half-hour after you clocked out of work)! This time of year, a simple 10-minute project is now going to take about two hours of your life away because the simple task of shutting off the water just turned into a major project. Now there’s a new possible order of getting control of the water. You’ll still need to get the locator in one hand, grab the weed burner with the empty 20# propane tank. OOPS! With an empty tank, the easiest place to get a tank is probably off your barbeque grill at home! After the 20-minute run home, you are ready to thaw the ground to the depth of at least 4 to 6 inches down. The best part about this stage is you close your eyes and pretend you are out camping with the smoke from the burning turf. Back to reality – you need to get this water off so you can go home! Next, get the plug out. If lady luck is helping and Murphy has left, the plug comes out; or you close your eyes,

go back to your last camp outing and fire up the weed burner to crack the rust out of the threads of the plug. I am certain at this point that a large part of the operators reading this could put some names, places, and dates in lines.

The big question is how to gather the information and have it in a format that is useable in the field. I have seen a recipe card file or notebook with three-point measurements for each address. I’ve also seen a three-ring binder with a page for each address complete with polaroid pictures of curb stop placement with a traffic cone on the stop. All have methods that have served the systems well, but you can use this information to build a better approach. With the availability of GPS technology, this information can be in your pocket on your phone! What can you afford with the resources that are available to you? Consider including GIS mapping your system as part of an upcoming project or a line item on your budget so that when money becomes available, you can implement it. At the South Dakota Association of Rural Water Systems, we have the equipment and the technology in-house to help your system get on track to have the information to do your job in a timely manner! Just ask any of the SDARWS employees how we can help! 💧



JEFF FOSSUM joined the SDARWS staff in February 2018, as a Circuit Rider. He previously worked for 32 years at the City of Canton, SD as the Water/ Wastewater Superintendent. Jeff holds a Class II Water Treatment, Class II Water Distribution, Class II Wastewater Treatment and Class II Wastewater Collection. His interests include gardening, woodworking and talking.

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JACK OF ALL TRADES

Mike Moeller, Training & Technical Assistance Specialist

I was sitting at my laptop wondering what to write an article about when it dawned on me that to be a water operation specialist for a city of rural system, you pretty much must know how to do a little bit of everything.

Our water operations specialists are certified to treat and distribute quality water meant for human consumption, but what else does an operator do daily that most consumers don't know about? Most operations specialists are proficient in running heavy equipment, whether for a rural water system digging up a water pipe with a backhoe or excavator, or working for a city and clearing snow with a front-end loader or maintainer.

Some systems have a person on staff who takes care of all the electrical work for the system. Still, many systems don't and rely on their operation specialists to troubleshoot and repair minor electrical equipment. This means the water guy must mix with electricity from time to time to keep things like their pumps or SCADA running in order for their consumers to have water.

You might also see an operations specialist in the hardware store purchasing some fittings in the plumbing section. This is because operations specialists are also tasked with performing repairs. Standard plumbing may spring a leak in booster stations and meter pits just like you might find in your home or business.

Sometimes when a water line repair is done in the field at a road crossing or in a ditch, a section of the fence may need to be taken down to make the repair more accessible. That means the fence must be repaired as well. Who is expected to know how to fix fence? You guessed it – the operations specialist!

Like many operations specialists in the small-town setting, they wear many hats. Not only do they take care of your water system, but they probably take care of the wastewater system, swimming pool, patch potholes in the roads, pick up the garbage, maintain the landfill, and probably a few other things that I have missed.

Operations specialists also have to know how to do mathematical equations to figure out correct chlorine dosages

to keep the drinking water free of bacteria, not to mention the many other tasks they perform to keep their system running. You might say that they would have to be a “Jack of all trades” to be a water system operations specialist.

We are grateful for all the operations specialists across South Dakota who use their many talents to provide safe, clean drinking water to their prospective utilities, among all of the other tasks thrown their way. Thanks for all you do! 💧



MIKE MOELLER has worked for SDARWS since 2014. He previously worked at Dakota Pump and Control for five years, and served 30 years with the South Dakota National Guard. Mike also holds an Advanced Safety Certificate from the National Safety Council.



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RURAL WATER

EXPO

2022

CALL FOR PAPERS

South Dakota Rural Water, in cooperation with the many small and rural systems located in western South Dakota, would like to invite manufacturers, suppliers, and engineering firms to participate in our Rural Water EXPO April 26-27, 2022 at the Holiday Inn Rapid City - Rushmore Plaza.

Presentations for the 1½ day event will focus on water technology, distribution and regulatory advances in the water & wastewater field. Tabletop displays will be arranged around the perimeter of the room to provide easy access to exhibit displays.

In order to provide REDUCED REGISTRATION for attendees, we have set the tabletop display cost at \$150/exhibitor (non-electric), \$200 (electric). We will also offer exhibitors 30 minutes on the program on a first come first serve basis. We have pre-arranged our program to provide 20 presentations at 30 minutes each. Lunch will be provided.

TOPIC SUGGESTIONS

- Drinking water security strategies and tools
- How Water Storage Can Impact Water Quality
- Fair Labor Standards Act
- Hands-on sessions:
 - ◆ Control valve repair kits
 - ◆ Hydrant maintenance and repair
 - ◆ Solution pump repairs (diaphragm and peristaltic)
 - ◆ Repair couplers, saddles, wet tapping
- The importance of Cross Connection Control
- Water Rights for public systems
- Ice Pigging to clean water and sewer pipelines
- Source water protection and sustainability of water supplies
- Climate change, water and energy efficiency, and conservation
- Clean Water Act/SDWA connections, nutrient pollution, and Harmful Algal Blooms (HABs)
- Emerging drinking water treatment technologies and optimization of current technology
- State revolving loan fund tools and techniques/ green infrastructure strategies
- Small systems: TMF, sustainability strategies, technologies, and compliance
- Trench Safety
- Data management (e.g., SCADA, GIS, IT)
- Workforce, operator certification, and/or technical assistance initiatives
- Distribution system issues
- Emerging contaminants in drinking water, both chemical and microbial
- Drinking water research
- Sanitation and wastewater management
- Risk assessment, risk communication and consumer outreach
- Implementation of regulations – challenges and successes

Register & submit abstracts online at sdarws.com/rural-water-expo.html



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CERTIFICATION PRACTICE QUESTIONS

1. Which of the following is considered a confined space?
 - a. Walkway on top of an uncovered aerated holding tank
 - b. Superintendent's office
 - c. Lift station wet well
 - d. Operator control room
2. Check valves are used on the discharge side of centrifugal pumps to
 - a. Equalize the pressure on both sides of the impeller
 - b. Allow the pump to be removed from service
 - c. Prevent water in the discharge line from flowing back through the pump
 - d. Regulate the rate of water flow through the discharge pipe
3. What information must be on a warning tag attached to a switch that has been locked out?
 - a. Directions for removing the tag
 - b. Phone number for local electrical utility emergency contact
 - c. Name of the person who placed the lock; this person is the only one authorized to remove it
 - d. Time to unlock the switch
4. Enclosed, open, and semi-closed are terms used for the
 - a. Impellers
 - b. Lantern rings
 - c. Sleeves
 - d. Stuffing boxes
5. Biological activity in long, sluggish-flow, flat-grade sewer lines will likely
 - a. Decrease line sediment
 - b. Create oxygen deficiency in the air in manholes, sewers, or wet wells
 - c. Stop toxic gas production
 - d. Increase the "carrying capacity" of the line
6. In sewer maintenance, what does the term pig refer to?
 - a. A bullet-shaped object passed through a force main
 - b. A power rodding machine
 - c. A line blockage
 - d. A hydraulic jetter truck
7. Which of the following first aid actions should be performed first if an operator inhales chlorine gas?
 - a. Remove victim from the contaminated area
 - b. Call for assistance
 - c. Bring the victim to the closest shower/eyewash station
 - d. Do nothing because chlorine gas is nontoxic
8. A Parshall flume is a type of
 - a. Orifice
 - b. Submerged nozzle
 - c. Open channel device used for flow metering
 - d. Weir requiring free-fall discharge
9. The most important reason for washing hands thoroughly after coming into contact with wastewater is to
 - a. Avoid being infected by pathogenic bacteria
 - b. Keep the rest of the collection system free from pathogenic organisms
 - c. Keep clothes clean
 - d. Maintain a professional appearance in public
10. Which of the following reduces the hydraulic capacity of a sewer and increased the likelihood of surcharging?
 - a. Exfiltration
 - b. Cleaning
 - c. Inflow
 - d. Manhole rehabilitation

1. C; 2. C; 3. C; 4. A; 5. B; 6. A; 7. B; 8. C; 9. A; 10. C

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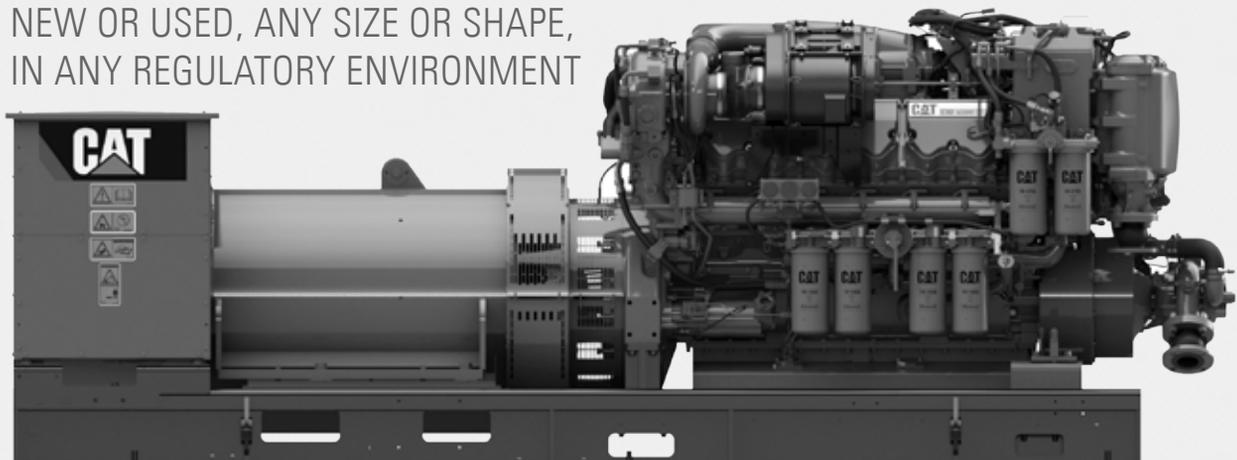
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MANDATORY RULES MEETING

7:00 PM CT on Friday, April 30th
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TOURNAMENT DETAILS

\$150 Team Registration

Saturday, May 1, 2021

Cow Creek Boat Ramp

7:00 AM - 3:00 PM

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- Teams to consist of 2-3 people with at least one person who is a current water/wastewater, associate or corporate member of South Dakota Rural Water.
- This is a boat-only tournament.
- Tournament begins at the Cow Creek Boat Ramp on Saturday, May 1, 2021 from 7:00 AM - 3:00 PM.
- Participants may fish above or below the dam (Lake Sharpe or Lake Oahe)
- Boat inspection prior to start.
- South Dakota fishing regulations must be followed.
- Weigh-ins start @ 3:30 PM.
- Walleye tournament; largest seven walleye weighed per team.
- All judges rules are final.
- In case of a tie, the team with the biggest fish by weight wins.
- Tournament winners announced shortly after weigh-in results are compiled.
- Meal to follow at the event center @ 5:00 PM.

For more information, contact Mike Moeller, SDARWS Tournament Chair
605-270-4989 • mmoeller@sdarws.com

REGISTER ONLINE AT SDARWS.COM/FISHING.HTML

REGISTRATION DEADLINE: APRIL 22, 2022



FROM THE EXECUTIVE DIRECTOR

KURT PFEIFLE, EXECUTIVE DIRECTOR

2022 RURAL WATER RALLY RESCHEDULED

The National Rural Water Rally has been rescheduled for March 28-30, 2022 in Washington, DC. Participating in the Rally is one of the most important benefits to our rural water membership in relation 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. 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.

We invite you to join us March 28-30 in DC. For more information, visit NRWA's Rally page at: nrwa.org/rally. If you plan on attending this year's event on behalf of South Dakota please call the SDARWS office at 605-556-7219 and let us know so we can keep you up to date on our schedule. We would love to have you join us on the Hill!

REGISTRATION

Registration can be made online via the NRWA Member Portal. Visit nrwa.org/rural-water-rally-2022/ for access.

OPENING SESSION

Senator Joe Manchin is scheduled as the keynote speaker for the 2022 Rural Water Rally. USDA Undersecretary for Rural Development Xochitl Torres Small is planning on speaking depending upon her schedule.

ROOM BLOCK

Room reservations can be made at the Hyatt Regency

Capitol Hill. The contracted rate is \$334/night. A non-refundable deposit of one night sleeping room plus applicable taxes is due at time of reservation for each room held. Attendees may call the Hyatt Regency Washington on Capitol Hill at 202-737-1234 with reference code G-WTR3 or visit www.hyatt.com/en-US/group-booking/WASRW/G-WTR3 below to reserve rooms. The deadline to reserve rooms is March 3, 2022.

COVID-19 SAFETY

Washington DC has implemented strict requirements for masking and proof of vaccine to enter public facilities. These requirements are subject to change, please review the current requirements at coronavirus.dc.gov/vaxdc

RALLY AGENDA

Please note that the SDARWS meetings with our congressional delegation are in the process of being rescheduled and will be posted on our website at sdarws.com/rally.html as they are confirmed.

Monday, March 28th

Registration Open1:00 pm – 5:30 pm
Welcome Social5:30 pm – 7:00 pm

Tuesday, March 29th

Registration Open7:30 am – 11:00 am
Opening Session.....8:00 am
Congressional Appointments10:30 am – 5:00 pm

Wednesday, March 30th

Congressional Appointments8:00 am – 5:00 pm
Great American Water Taste Test12:00 pm
Rural Water Social5:00 pm – 6:00 pm

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RURAL WATER EXPO 2022

APRIL 26-27, 2022

RAPID CITY HOLIDAY INN - RUSHMORE PLAZA



This 1½ day event includes presentations and features exhibit displays

***Contact Hours • Door Prizes
Lunch provided on Day One***

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