

ServiceLine

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

RURAL WATER **OPEN**


July 19, 2022 – Sioux Falls

DANR ANNOUNCES OVER \$1.1B FOR SD ENVIRONMENTAL PROJECTS

2022 EXPO RECAP

NEW FACES AT SDARWS

FISHING TOURNAMENT HIGHLIGHTS



Reimagine your
water solutions.

Evolved.

When you are using water, you don't usually think about where it comes from. That's how it should be. Smart management of a precious resource. It's second nature at KLJ.

KLJENG.COM



ENGINEERING, REIMAGINED



IN THIS ISSUE

- 5** From The SDARWS President
- 7** Operator Certification Training Class And Exam Schedule
- 9** SDARWS Staff Directory
- 11** Rural Water Open Information
- 13** New Faces at SDARWS
- 14** 2022 EXPO Recap
- 16** If You Can't Stand The Heat... Get The Treatment You Need
- 19** Transitioning Into A Circuit Rider
- 21** Willis The Walleye
- 22** 2022 Fishing Tournament Recap
- 27** Inflow & Infiltration
- 29** SDARWS Conferences And Events
- 31** Certification Questions
- 33** Photos From The Field
- 34** DANR Announces More Than \$1.1 Billion For South Dakota Environmental Projects

SDARWS CORPORATE PARTNERS

Marsh & McLennan Agency, Inc.

Risk Administration Services

Dakota Pump & Control

Dakota Supply Group

Treatment Resources, Inc.

Banner Associates

Bartlett & West, Inc.

DGR Engineering

Maguire Iron, Inc.

Core and Main

Dakota Pump Inc.

CoBank

Milbank WinWater

AE₂S

ISG

Brosz Engineering

Cover Photo: Kayaking on the Big Sioux River. Photo Credit: Jennifer Bame

ServiceLine is published bi-monthly by the South Dakota Association of Rural Water Systems. The contents of this publication may not be reproduced by any means, in whole or in part, without the prior written consent of SDARWS. SDARWS reserves the right to reject or edit any manuscripts received for publication. All submissions become the property of the South Dakota Association of Rural Water Systems unless otherwise specifically stated in this publication. Statements of fact and opinion are the responsibility of the authors alone and do not imply an opinion on the part of the South Dakota Association of Rural Water Systems. Advertisements and editorials do not represent official policies of the Association. Acceptance of advertising by SDARWS does not constitute endorsement of the advertiser, its products or services, nor does SDARWS make any claims or guarantees as to the accuracy or validity of advertisers' claims.

To submit editorial or advertising content, or to update your mailing information, please contact Jennifer Bame at 605-556-7219 or email jbame@sdarws.com.

SOUTH DAKOTA ASSOCIATION OF RURAL WATER SYSTEMS

P.O. Box 287, Madison, SD 57042 • Phone 605-556-7219, Fax 605.556.1497 • email: info@sdarws.com • www.sdarws.com

Copyright 2022

MILBANK
WinwaterTM
COMPANY

**S. Hwy. 15 • P.O. Box 350
Milbank, SD 57252
1-800-743-2972
Fax 605-432-5447**

*Large enough to handle any job,
but small enough to care about yours.*

- WATER PRODUCTS
- INDUSTRIAL PIPING
- WATER METER SYSTEMS
- PUMP SYSTEMS
- GEO TEXTILE FABRIC
- ROAD CASTINGS



**QUALITY
ENGINEERING
SOLUTIONS FOR
RURAL WATER
PROJECTS**

MASTER PLANNING
ASSET MANAGEMENT
HYDRAULIC MODELING
CAPACITY ANALYSIS
STORAGE RESERVOIRS
PUMPING STATIONS
PIPELINES
TREATMENT FACILITIES
CONSTRUCTION SERVICES

MITCHELL, PIERRE, SIOUX FALLS, STURGIS
SOUTH DAKOTA
broszeng.com

Brosz
ENGINEERING, INC.



FROM THE SDARWS PRESIDENT

RON GILLEN, SDARWS PRESIDENT

NRWA IN-SERVICE

In June, most of the Association staff are traveling to Anaheim, California for the National Rural Water In-Service Training. At In-Service, rural water professionals from around the nation gather together to train and discuss their work with others in their peer group. The goal of in-service is to learn about new techniques unique to each position, share expertise, and learn about new funding sources. If you see our guys around, ask them what new things they've learned.

GOLF TOURNAMENT

Join us on July 19th for the 36th Annual SDARWS 4-Person Scramble Golf Tournament at Elmwood in Sioux Falls. The tournament is a great opportunity to gather together with other Rural Water folks for a day of camaraderie and fun. You can register your four-person team online at tinyurl.com/SDARWSGOLF. Tee times will be assigned to each team. You can find more information on pages 11-12. We hope to see you on the course!

WATER PRO

It isn't too early to start thinking about attending this year's WaterPro Conference in National Harbor, Maryland September 26-29, 2022. NRWA puts on a fantastic show which brings in hundreds of vendors and hosts informative training sessions in operations, management, boardmanship and governance for those involved in water and wastewater utility systems – large and small, municipal and rural. WaterPro features expert speakers from across the water/wastewater industry. Want to hear about new USDA projects or EPA priorities? You can find out at the WaterPro Conference. The WaterPro exhibit hall is filled with vendors and service-providers dedicated to offering high-quality solutions for small and rural water utilities. Find out about all the best solutions for rural water today and tomorrow. For more information on this conference, including registration and hotel reservations, please visit waterproconference.org.



The Conference for Water & Wastewater Utility Systems - Large & Small, Municipal & Rural

September 26-29, 2022

Gaylord National Resort & Convention Center | National Harbor, MD

Visit waterproconference.org for more information.

The Official Conference of the National Rural Water Association



From our very beginning we've focused on
WHAT'S IMPORTANT...

To us, your project isn't a job - it's an opportunity to make a positive impact, protect future generations, and ensure the vitality of where we live and work.

THINK BIG. GO BEYOND.



Providing engineering and related services to help clients achieve success.



Advanced Engineering and Environmental Services, Inc.

www.ae2s.com

***When It Comes
To Waterworks,
There Can Be
A Lot Of Pressure.***



To succeed, you need a partner that makes your job easier. With Dakota Supply Group, you get more than just pipe and products:

► Contact us today to learn more about how we can help you.

DSG
DAKOTA SUPPLY GROUP
For all the right connections!

FARGO, ND ► [800] 342-4676
BISMARCK, ND ► [855] 337-9258
SIOUX FALLS, SD ► [800] 660-5531
RAPID CITY, SD ► [800] 660-5538
BURNSVILLE, MN ► [800] 325-0514

www.dakotasupplygroup.com



OPERATOR CERTIFICATION TRAINING AND EXAMS

Course Name	Date	Location
Stabilization Pond Workshop	June 2	Huron – Crossroads
Basic Water Treatment	July 12 - 14	Watertown-Ramkota Cattail Rm.
OpCert Exam	July 14 @ 1:00 PM	Watertown-Ramkota Cattail Rm.
Wastewater Collection	August 2 - 4	Aberdeen – Ramkota Northern Rm.
OpCert Exam	August 4 @ 1:00 PM	Aberdeen – Ramkota Northern Rm.
Water Distribution	August 16 - 18	Sioux Falls – Ramkota Rushmore Rm.
OpCert Exam	August 18 @ 1:00 PM	Sioux Falls – Ramkota Rushmore Rm.
Intermediate Water Treatment	August 30 - September 1	Rapid City – Ramkota Rushmore Rm.
OpCert Exam	September 1 @ 1:00 PM	Rapid City – Ramkota Rushmore Rm.
Small Water Treatment Workshop	September 22	Zoom On-Line Course
Wastewater Collection	October 4 - 6	Sioux Falls – Ramkota Harvest Rm.
OpCert Exam	October 6 @ 1:00 PM	Sioux Falls – Ramkota Harvest Rm.
Stabilization Pond Workshop	October 13	Mitchell – Highland Conference Center
Stabilization Pond Workshop	October 18	Aberdeen – Ramkota Northern Rm.
Water Distribution	November 15 – 17	Spearfish Holiday Inn
OpCert Exam	November 17 @ 1:00 PM	Spearfish Holiday Inn
Basic Wastewater Treatment	December 6 - 8	Rapid City – Ramkota Rushmore Rm.
OpCert Exam	December 8 @ 1:00 PM	Rapid City – Ramkota Rushmore Rm.

*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 8:00 AM and end at 4:30 PM.*

The Stabilization Pond class deals strictly with ponds/lagoons and is the best class for preparing to take the Small WW Exam. The Basic WW Treatment class deals with all types of wastewater treatment other than ponds/lagoons and is the best class for preparing to take the Class I WW Treatment exam. Small Systems that use ponds/lagoons for treatment can come into compliance with the Operator Certification Law by passing either the Small WW System exam or the Class I WW Treatment Exam.

Water systems serving less than 500 individuals and use wells as its source can come into compliance by passing the Small Water Treatment exam. Larger systems must pass the Class I Water Treatment exam or higher depending on the facility classification.

EXAM INFORMATION

All exams cost \$60.00 and must be taken “in-person.”

Any exam can be taken at an exam session. You can take more than one exam at an exam session; however, the exam session remains at three hours long.

All exam applications are due no later than two weeks prior to the exam date.

Questions regarding exams can be directed to Tammie Hill with DANR at 605-773-3577.

DANR Operator Certification website:

danr.sd.gov/OfficeOfWater/OperatorCert/default.aspx

STUDY MATERIALS

DANR has water exam study material to lend to operators. These include manuals from California State:

- *Water Distribution System Operation and Maintenance*
- *Small Water System Operation and Maintenance*

TRAINING CLASSES

Certification Training Classes are conducted by the South Dakota Association of Rural Water Systems. **These classes are presented at no charge.** Certified Operators can obtain contact hours for attending all of the above classes.

For more information on certification training classes, please contact Bill Thorson at 605-556-7219 (office) or 605-201-0170 (cell).

Register for training classes online at:

sdarws.com/certification.html

For Study materials, visit: www.abccert.org/testing_services/ExamReferences.asp

REGISTER FOR CLASSES ONLINE: sdarws.com/certification.html



engineering
a better
community

water | wastewater

Mni Wasté Water Supply Project | Cheyenne River Sioux Reservation | North Central SD

Brookings | Sioux Falls | Vermillion | Rapid City | Milbank
605.692.6342 | Toll Free 1.855.323.6342
www.bannerassociates.com

BANNER
engineering a better community

DAKOTA PUMP

WATER PUMP STATIONS

- Modular Water Booster Stations
- Grade Mounted Water Booster Stations
- Water Booster Pump Stations
- Water Control Vaults

WHY PREFABRICATED?

- Fully Factory Tested
- Ease of Installation
- Simplified Design
- Single Source Responsibility

SEWAGE PUMP STATIONS

- Wet Well Mounted Lift Stations
- Flood Suction Lift Stations
- Self-Priming Lift Stations
- Obround Package Pump Stations

PROACTIVE PUMP STATION SALES, MAINTENANCE AND INSPECTION

WE PROVIDE
SOLUTIONS
BUILT ON
RELATIONSHIPS

DAKOTA PUMP OFFICES

MITCHELL

25524 413th Ave, Mitchell, SD 57301
MAIN 605.996.6636 | CELL 605.770.9371

RAPID CITY

12065 Quaal Rd, #99, Black Hawk, SD 57718
MAIN 605.996.6636 | CELL 605.430.2862

WATERTOWN (K&P PUMPS)

800 33rd St SW, Watertown, SD 57201
MAIN 605.753.0072 | CELL 605.881.1586

PROACTIVE PUMP STATION SALES, MAINTENANCE AND INSPECTION | VISIT DAKOTAPUMP.COM

SDARWS STAFF DIRECTORY



KURT PFEIFLE

Executive Director

kpfeifle@sdarws.com
605-204-0125



MIKE MOELLER

*Technical Assistance
Training Specialist*

mmoeller@sdarws.com
605-270-4989



JEREMIAH CORBIN

Field Program Supervisor

jcorbin@sdarws.com
605-270-3894



ALLEN KOCMICH

East River Circuit Rider

akocmich@sdarws.com
605-201-6026



ROBYN BROTHERS

Office Manager

rbrothers@sdarws.com
605-556-7219



PAUL DORWART

East River Circuit Rider

pdowart@sdarws.com
605-201-9568



JENNIFER BAME

*Communications &
Marketing Coordinator*

jbame@sdarws.com
605-556-7219



WYATT HIX

West River Circuit Rider

whix@sdarws.com
605-641-4557



STEVE ATTEMA

*Safety Training
Specialist*

sattema@sdarws.com
605-270-1766



DANNY AYERS

Wastewater Technician

dayers@sdarws.com
605-291-2299



BILL THORSON

*Certification Training
Specialist*

bthorson@sdarws.com
605-201-0170



GLEN OLENE

Wastewater Technician

golene@sdarws.com
605-245-6488



JEFF FOSSUM

*Technical Assistance
Training Specialist*

jfossum@sdarws.com
605-201-9561



KEVIN CHRISTENSON

*Source Water Protection
Specialist*

kchristenson@sdarws.com
605-641-1923



Trusted. Professional. Solutions.

At DGR Engineering, we know about water and how important it is to everyday life. After all, we've been working with it for over 65 years. We provide our clients with solutions they can trust, covering all types of water issues from supply, treatment, storage and distribution, to wastewater treatment, collection, lift station and sewer rehab.

Call us today to discuss solutions for your next project.

DGR
ENGINEERING

Sioux Falls, SD
Rock Rapids & Sioux City, IA
800-446-2531

  dgr.com



COMMITTED TO MAKING YOUR WORKPLACE SAFER

We're more than a workers' compensation insurance policy provider. We're your partner in driving injury prevention.

RAS has been the endorsed Work Comp carrier for the SD Rural Water Association for over 10 years.

RAS
RISK ADMINISTRATION SERVICES, INC.

Our association agency partner:

Justin Overman
Marsh & McLennan Agency, LLC
605.339.3874

RASCompanies.com
800.732.1486



**SCAN QR CODE
TO REGISTER ONLINE**



JULY 19, 2022

ELMWOOD GOLF COURSE • SIOUX FALLS, SD

\$100/golfer • Includes 18 holes of golf, riding cart, boxed lunch, swag bag!

REGISTER ONLINE AT [SDARWS.COM](https://sdarws.com)

Tee times will be assigned to each team

CHECK OUT OUR SPONSORSHIP OPPORTUNITIES

Turn the page to see what's available!



TAKE A SHOT WITH A SPONSORSHIP!

The South Dakota Association of Rural Water Systems is pleased to invite you as an individual or your business to participate in our 36th Annual Rural Water Open by taking advantage of one of the following sponsorship opportunities:

SWAG BAG STUFFER

Pricing varies (multiple available)

NEW FOR 2022 - Each golfer will receive a SWAG bag with their registration. Want to include something in the bag? For \$100, supply us with your swag (for 200 golfers) and we will stuff the bags. **Items can include: golf tees, hats, gloves, sunblock, towels, ball markers, koozies, etc.**

Please email golf@sdarws.com for availability, ordering fees, and deadlines.

WATERPAC HOLE KEG SPONSOR

\$500 (3 available)

A keg with your name on it will be chilled and ready to serve our thirsty golfers. Sponsorship also includes recognition in our *ServiceLine* magazine.

19TH HOLE SPONSOR

\$500 (1 available)

Sponsorship of the 19th Hole Putt Challenge features a keg, as well as signage at the hole, and recognition in our *ServiceLine* magazine.

BEVERAGE CART SPONSOR - SOLD

BALL SPONSOR - SOLD

DONUTS & COFFEE SPONSOR - SOLD

BOX LUNCH SPONSOR

\$2,000 (1 available)

Help feed the masses and take a shot at sponsoring the Rural Water Open Awards Luncheon. Sponsorship includes signage, your logo on each boxed lunch, and recognition in our *ServiceLine* magazine.

GPS CART SPONSOR

\$500 (1 available)

Have your ad pop up on the golf carts when the players arrive at each hole. Sponsorship includes recognition during luncheon/awards and in our *ServiceLine* magazine.

GOLF CHALLENGE SPONSORSHIP

Prize Donation (27 available)

Sponsorship is \$100 or equivalent prize. Sponsorship includes signage at the challenge hole, and recognition and recognition in our *ServiceLine* magazine.

TEE BOX SPONSORSHIP

Gold (\$750) Silver (\$500) Bronze (\$250)

All proceeds from Tee Box Sponsorships benefit the Rural Water Center and are TAX DEDUCTIBLE! Sponsorship includes signage at a tee box, and recognition in our *ServiceLine* magazine. *(18 available)*

For more information on sponsorships or the tournament, please email Jeremiah at golf@sdarws.com.

NEW FACES AT SDARWS

SDARWS is excited to announce the addition of two new members to our team. We would like to introduce you to Glen Olene and Wyatt Hix. Glen is our new wastewater technician and hails from the Watertown area. Wyatt Hix from Belle Fourche has been chosen as our new West River Circuit Rider. Both guys have hit the ground running and are out and about visiting systems. Welcome Glen and Wyatt!

MEET GLEN OLENE – WASTEWATER TECHNICIAN

YEARS OF EXPERIENCE: Five years working as Public Works Director in City of Eureka

CERTIFICATIONS: Class I Wastewater Collection; Class I Stabilization Pond and Class I Water Distribution

WHAT ARE YOU LOOKING FORWARD TO IN THIS JOB?: Traveling South Dakota and meeting new people on the job and learning new things

HOBBIES: Riding my Harley with my wife, camping, hunting and fishing

FAMILY: Wife Linda, four kids, 11 grandchildren

AN INTERESTING FACT ABOUT YOU: Retired Military Army 20 years. Traveled Europe for ten years.



MEET WYATT HIX – WEST RIVER CIRCUIT RIDER

YEARS OF EXPERIENCE: I worked in Laramie, Wyoming for five years doing river restoration. We focused on bank stabilization, maintain water elevations, sediment control and fish habitat with Wyoming Game Fish and Parks, BLM, NRCS, and Trout Unlimited. I worked for the City of Sturgis for four years in the Water Department.

CERTIFICATIONS: Class II Water Distribution Operations Specialist, Class I Water Treatment Operations Specialist, Sewer and Water Contractors Licenses, Certified Installer of Individual and Small on-site Wastewater Systems, On-site Wastewater Treatment Systems Installer Training from Pennington County.

WHAT ARE YOU LOOKING FORWARD TO IN THIS JOB?: I'm looking forward to meeting new people and traveling to new locations around the wonderful state of South Dakota. I'm also looking forward to learning about different water systems used throughout the state.

HOBBIES: In my spare time I enjoy hunting, fishing, carpenter work, mechanic and running heavy equipment. I also really enjoy farming and ranching.

FAMILY: My parents Garrit and Elsie reside in Belle Fourche; Garrit is currently retired. Elise works for KBFS-KYDT in sales. Together they owned and operated a motel, rental houses, and a farm for many years. I have three sisters. Bobbi is a science teacher and coach in Warner, SD. Josephine is a Major in the Army stationed in North Carolina. Samantha is licensed insurance agent in Spearfish, SD. I also love to spend time with my girlfriend, Misty and her two children. Misty is a Health, Nutrition and Safety Specialist with Head Start.

AN INTERESTING FACT ABOUT YOU: I love the water but can't swim and my girlfriend constantly out fishes me.



RURAL WATER

EXPO 2022 RECAP



Jennifer Bame,
Communications & Marketing Coordinator

SDARWS was pleased to be able to host the 9th Annual Water Technology EXPO in-person (and virtually) in Rapid City April 26-27, 2022. This event is designed to provide training opportunities and certification credit hours for municipal, small, and rural water systems located throughout western South Dakota. This was our first major in-person indoor event, and it went off without a hitch. We received a lot of comments from both attendees and exhibitors who were very pleased that we were able to hold an in-person event with a few minor changes. In order to spread people out, we utilized two rooms - one to host our exhibit hall, and the other to allow for spaced out seating between attendees. Over 225 water and wastewater utility staff, board/council members, engineers, state and federal employees attended this year's event.

The EXPO's annual goal is to provide an opportunity for water system personnel to network with manufacturers, suppliers, and one another to exchange ideas on how to effectively operate and maintain systems. Over this day and a half

training event, attendees were provided ample opportunities to network with EXPO presenters and exhibitors. Fourteen presentations were given over the day and a half event covering topics ranging from backflow prevention, to tank mixing, Rural Development funding, and Risk Assessment & Emergency Response Plans. Most of our training presentations were able to be in-person, but a few did have to speak virtually due to travel restrictions in place by their states or through their employers. In addition to the valuable knowledge gained, attendees were approved to earn 10 certification credit hours approved by the State of South Dakota.

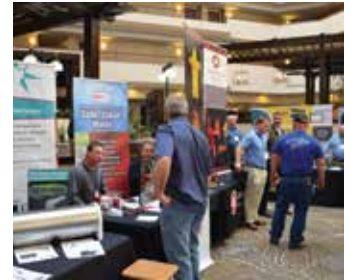
Along with the training sessions, the EXPO showcased many of our industry's manufacturer and supplier leaders in our Exhibit Hall. Many will be displaying the recent advances in technology our industry has witnessed over the past several years. The EXPO would not be possible without the support from the 35 tabletop exhibitors. We offer special thanks for their support in bringing valuable training and professional resources that truly benefited EXPO attendees.

Plans are already underway for the 2023 EXPO. Watch for details on our website, in eNews, and future issues of *ServiceLine*. 💧



THANK YOU TO OUR EXHIBITORS FOR MAKING THIS EVENT POSSIBLE:

- AE₂S
- American Flow Control
- AY McDonald Mfg. Co.
- Banner Associates
- Bartlett & West
- Core and Main
- Dakota Pump and Control
- Dakota Pump Inc.
- DGR Engineering
- Direct Companies
- DSG
- Dutton-Lainson Company
- Electric Pump, Inc
- Energy Laboratories Inc.
- Flow Control Automation, Inc.
- Ford Meter Box Company
- Foth
- Great Northern Environmental
- Hawkins
- HK Solutions Group
- ISG
- IXOM Watercare - Medora
- JCG Land Services Inc
- MacQueen Equipment
- Maguire Iron, Inc.
- Metering and Technology Solutions
- Midco Diving and Marine Services
- Milbank WinWater
- Modern Coating Solutions
- Northwest Pipe Fittings
- NWPECO
- Pave, LLC
- Pumps and Controls
- UtilityLogic
- Veolia
- WL Plastic



IF YOU CAN'T STAND THE HEAT... GET THE TREATMENT YOU NEED

Steve Attema, Safety Training Specialist

We have all heard the saying if you can't stand the heat, get out of the kitchen. While this may be a good way to banter with your friends, when it comes to actual heat, the earlier you get treatment the better the outcome. When a heat wave sets in or if you work in hot indoor environments there are couple of simple ways to keep heat illnesses at bay. If you can avoid the extreme heat that is the best-case scenario, but sometimes work still needs to get done in conditions that are not ideal. In these cases, be prepared and try to stay as hydrated and cool as possible.

STAYING COOL

(just like you told all your high school friends)

- Wear light-weight, loose-fitting clothing, if possible.
- Wear light-colored clothing (to reflect the sun's rays)
- Schedule outside work for cooler parts of the day. Work inside air-conditioned buildings during hotter parts of the day.
- Pace yourself and get acclimated to the heat
- Take frequent breaks to cool down.
- If exertion in the heat makes your heart pound and leaves you gasping for breath, STOP all activity. Get into a cool area or into the shade, and rest, especially if you become lightheaded, confused, weak, or faint.

STAYING HYDRATED

(you're in the water industry – make sure you use it)

- Pre-hydrate – before working in the heat make sure you drink plenty of water
- Stay away from alcohol and sugary drinks. These will cause you to lose more body fluids in the long run.
- Sweating causes you to lose salt and minerals. When you sweat heavily make sure you replace these by drinking a sports drink.
- Certain medical conditions limit fluid and/or salt intake. Consult your doctor for advice in these areas.

STAYING AWARE

Use a buddy system – watch for signs of heat illness in others and have them do the same for you. Heat illness can have many different forms. The infographic on the next page shows the heat illness, the symptom of that illness, and the treatment necessary. 💧



These are just a few tips on surviving the heat. For further information on this subject visit [osha.gov/heat-exposure](https://www.osha.gov/heat-exposure).



STEVE ATTEMA Steve Attema joined SDARWS in May 2014 as a Training Specialist. He previously worked for six years in industrial wastewater, and three years at Bolton & Menk, Inc. as an Environmental Engineer. Steve has a Bachelor of Science degree in Civil and Environmental Engineering (CEE) from South Dakota State University. He also holds a Class III Wastewater Treatment Certification, is an FAA certified Remote Pilot SUAS and holds Utility Management Certification with the NRWA. As a Safety Trainer, Steve holds an Advanced Safety Certificate from the National Safety Council, completion of OSHA's 30-hour General Industry Training Course and certified with the Board of Certified Safety Professionals as an Associate Safety Professional.

Things you need to know:

- Heat illness can strike quickly—learn to recognize the symptoms.
- Workers with heat illness should stop working, get cool, and drink fluids.
- Altered mental state can be a sign of heat stroke and requires immediate attention.
- When treating severe heat illness, cooling is the first priority.

HEAT STRESS

First Aid for Heat Illness

Cooling is key. Know the symptoms and treatment of heat illness.

Signs and Symptoms

Symptoms can occur in any order. For example, a person will not always experience heat cramps before they suffer from heat exhaustion.

What to Do

Heat Rash/Prickly Heat

- Red cluster of pimples or small blisters, usually on neck, upper chest, groin, under breasts, and in elbow creases
- Extensive areas of skin that do not sweat on heat exposure, but present gooseflesh appearance that subsides with cool environments

- When possible, a cooler, less humid work environment is the best treatment
- Keep rash area dry
- Powder can be applied to increase comfort
- Do not use ointments or creams, as they may impair cooling—warm, moist skin can make the rash worse

Heat Cramps

- Muscle cramps, pain, or spasms in the abdomen, arms, or legs

- Drink fluids every 15 to 20 minutes and eat a snack or sports drink
- Avoid salt tablets
- Get medical help if the worker has heart problems, is on a low sodium diet, or if cramps do not subside within 1 hour

Heat Syncope (Fainting)

- Fainting, dizziness, or light-headedness after standing or suddenly rising from a sitting/lying position

- Sit or lie down in a cool place when beginning to feel faint or dizzy
- Slowly drink water or clear juice

Heat Exhaustion

- Headache
- Nausea
- Dizziness, weakness
- Irritability
- Thirst, heavy sweating
- Elevated body temperature
- Decreased urine output

- Call for medical help or take worker to a health facility for evaluation and treatment
- Stay with worker until help arrives
- Remove worker from hot area and give liquids to drink
- Remove unnecessary clothing, including shoes and socks
- Cool worker with water, cold compresses, an ice bath, or fans
- Encourage frequent sips of cool water

Heat Stroke

- Confusion, altered mental state, slurred speech, loss of consciousness
- Hot, dry skin or profuse sweating
- Seizures
- Very high body temperatures
- Fatal if treatment delayed

- This is an emergency! Call for emergency care immediately!
- Move worker to a cool area and remove outer clothing
- Cool worker with water, cold compresses, an ice bath, or fans
- Circulate air around worker to speed cooling
- Place cold, wet cloths or ice on head, neck, armpits, and groin
- Stay with worker until emergency medical services arrive

Less Severe

Severe

OFTEN FATAL



**No Inventory?
No Problem!**

Need help building and validating
your service line inventory?

www.120water.com/LSLI



Partnering with your association to help
build your path to LCR compliance.

SIMPLY SEALS!

Rated to 305 psi



No field
trimming required!

- Tapping Sleeves
- Couplings
- Bell Joint Encapsulators

*Fully encapsulated for the most
challenging applications.*

260-563-3171 • fordmeterbox.com

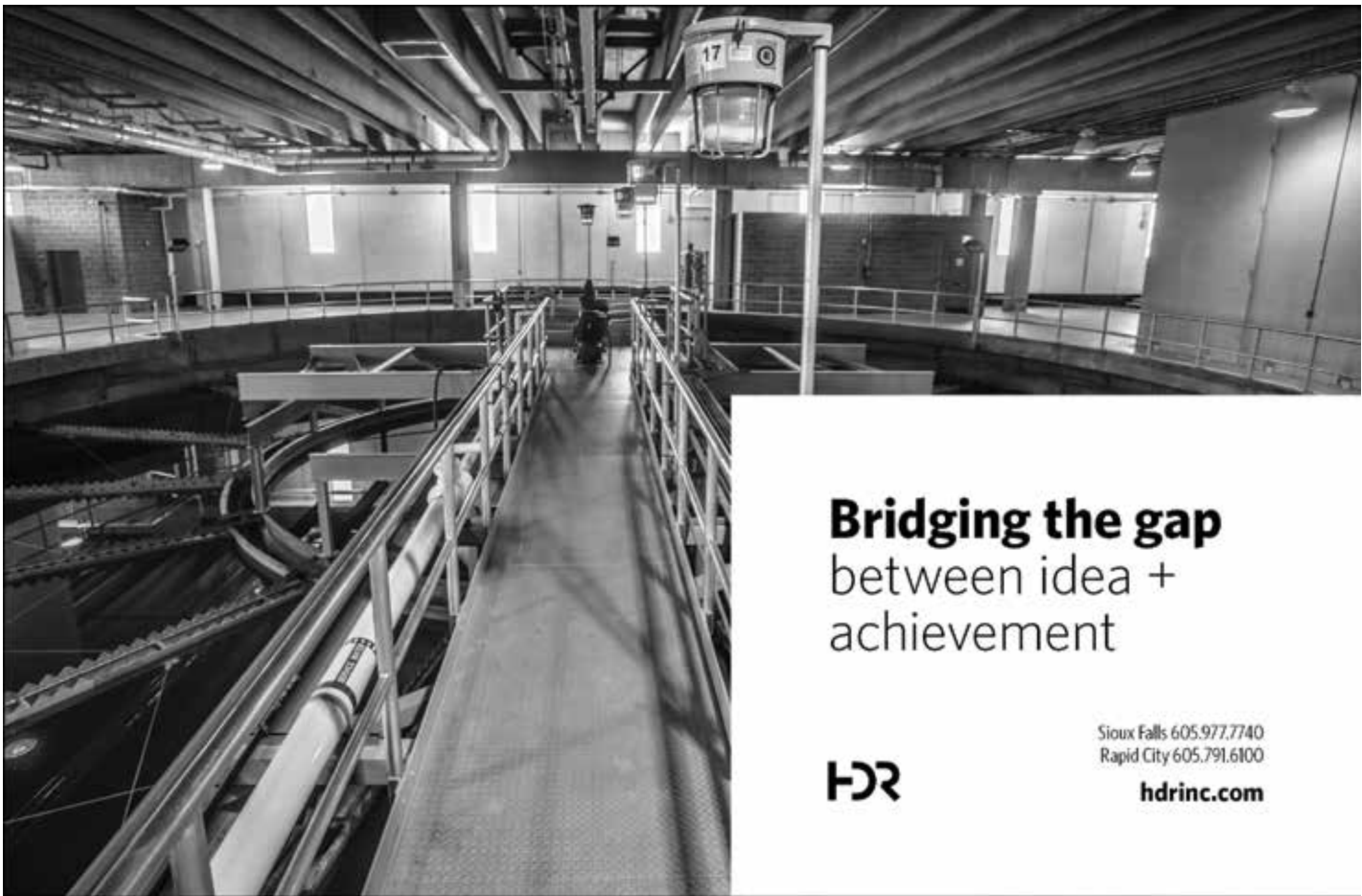
MIDCONTINENT

TESTING LABORATORIES, INC.

- State-certified for **DRINKING WATER** and **WASTEWATER** testing
- Custom pre-printed sample forms save you time
- Setting the pace for analytical testing & customer service
- Our batch SOC testing can save you \$\$\$ in testing costs
- **FAST SERVICE!** Check your results online by logging on @ www.TheChemistryLab.com



2381 S. Plaza Drive P.O. Box 3388 Rapid City, SD 57709
Phone 605-348-0111 • FAX 605-721-0265



Bridging the gap
between idea +
achievement



Sioux Falls 605.977.7740
Rapid City 605.791.6100

hdrinc.com

TRANSITIONING INTO A CIRCUIT RIDER

Being the Street and Water Commissioner for the City of Avon for over 30 years and retiring and changing jobs is one of the biggest decisions I have made in my life time.

But I made it and it has turned out to be one of the best because of the all the new experiences and the people I have encountered and how they are all the same and how they are all different and how things work in one community and not the next. But one thing all the water systems have in common is it takes a dedicated man or woman with a lot of know how to provide good safe drinking water to a community. With the economic crisis we are in and budgets stretched to the limit and not many towns being able to afford extra labor, and improve infrastructure is a daunting task on water personnel.

In the short time I have been here I have done so many different things like help new operators with quarterly disinfection reports, read maps, chlorinators and how SDARWS can assist them in spinning valves, rebuilding hydrants, GPS, leak detection, certifications, and anything that has to do with providing good safe water for the community. The learning never stops. In a few weeks I'll be traveling to Anaheim, CA for National Rural Water InService training where I will connect with other circuit riders from around the country, and attend training classes which will help me better serve the water systems here in South Dakota.

This job change has not come naturally for me, but the co-workers that I have at SDARWS are some of the best people I have ever worked with and have helped me on this new chapter



in my life and am thankful for having this opportunity to meet and work along side so many people dedicated to making this world a better place.

If you need assistance with the operation of your water system, please give me a call at 605-201-6026. 📞



ALLEN KOCMICH joined the SDARWS staff in November 2021 as a Circuit Rider. He previously worked for 30 years at the City of Avon, SD as the Water/ Wastewater Superintendent. Al holds a Class I Water Distribution and Class I Wastewater Collection. Al has volunteered with the Avon Fire Department for over 30 years, with 15 years as Assistant Chief, and has been on the Avon Ambulance crew for 22 years. He enjoys fishing, hunting, boating, camping, and the Green Bay Packers (when they win).

Bartlett & West

Engineering water solutions for community growth.

Clean, safe and reliable water is a basic building block of a modern community. Residents and industry depend on your system. You need proactive communications regarding system needs and innovative, comprehensive solutions. As a national leader with long-time relationships in water-focused services, Bartlett & West is your ally for success.

5900 S. Western Ave., Ste. 101 ■ Sioux Falls, SD
(888) 200-6464 ■ www.bartlettwest.com

ENTERPRISE SOLUTIONS FOR TOMORROW'S UTILITIES

- Customer Information and Billing System
- Financial Management
- Customer Empowerment/Mobility
- GIS Mapping System
- Meter Data Management



Central Service Association

Professional Computer Solutions



Make us prove it.

pcs-csa.com
888.843.3106

CLOGGED PUMPS?

Tackle wipes and large debris with these solutions from USABlueBook!

FOR SMALLER APPLICATIONS AND LIFT STATIONS

FlowRake Rag Catchers

USABlueBook EXCLUSIVE

OPERATOR DESIGNED



FOR LARGE MUNICIPAL LIFT STATIONS

StationGuard Manual Bar Screens

OPERATOR DESIGNED



We also offer non-clog sewage and chopper pumps.
LEARN MORE! usabluebook.com/NoMoreClogs

USABlueBook[®]

GET THE BEST TREATMENT™

800.548.1234 • usabluebook.com

WILLIS THE WALLEYE



Kevin Christenson, Source Water Protection Specialist

I recently spent some time with local 3rd and 4th-grade students at the Flandreau Elementary school. It was National FFA week, the Elementary students had just completed a section on natural resources and pollution, and I was currently working on Flandreau's Source Water Protection plan. So I figured this was a great time to come into their classrooms and present on Source Water Protection!

After reaching out to Deb Springman at East Dakota Water Development District in Brookings, SD, and giving it some thought, we decided the best presentation I could give to the students would be one she named "Willis the Walleye."

This presentation tells the story of Willis and his adventures in the river. Willis starts out at the headwaters, but he decides to take a journey downstream to explore his river. Along his journey, Willis makes multiple stops, and at each stop, a student volunteer gets to add a contaminant to the river to see how the water quality changes. By the end of the journey, the river is full of contaminants, the water quality is very poor, and Willis gets sick and dies.

Although this is a simple story of a fish who gets sick and dies because of the contaminants in the river, students really get into the story and enjoy discussing Willis' journey. By figuring out what could have been done differently to keep Willis alive and healthy, we had a great discussion with the students about Source Water Protection and what they can do to keep rivers, lakes, and groundwater clean.

So, like I ask the students, what can you do to help Willis? 💧



KEVIN CHRISTENSON started with SDARWS in November of 2021 as the Source Water Protection Specialist. He was previously employed at East Dakota Water Development District in Brookings, SD as a Field Project Specialist for 10 years collecting water quality samples and discharge measurements from surrounding streams, rivers, and lakes. Kevin's hobbies include hunting small and big game across South Dakota, coaching baseball and following his three kids around to their many sporting events and other activities.



2022 RECAP

Mike Moeller, SDARWS Technical Assistance Training Specialist

South Dakota Association of Rural Water Systems held their Annual fishing tournament at the Outpost Lodge April 29th and 30th, 2022. This year's event was windy and wet. There was rain most of the morning with wind gusts up to 50 mph. The tournament was supposed to be held on Lake Oahe and Lake Sharpe but because of the high winds it was decided that fishing would only be allowed on Lake Sharpe and that shore fishing would also be allowed.

Twenty-three teams entered the tournament. Some of the teams had good luck and caught the seven allowable walleye that could be weighed in and other teams weren't as fortunate. There was a total of 86.97 pounds of walleyes weighed in this year, and a total of 30.33 pounds of non-walleyes.

The largest walleye weighed in this year was 3.15 pounds and



**Largest Non-Walleye
- Dan Myers**

**Largest Walleye
- Robby Townley**





First Place – Lennox:
 Kyle Ramynke and Nate Vander Plaats (not pictured)



Second Place – Pierre Warriors:
 Matthew Brewer, Dane Brewer, and Robby Townley



Third Place – Ft Pierre:
 Rocky Kiersted, Travis Lapour, and Dan Myers



Fourth Place – Team Lip Rippers:
 Hannah Kast and Nick Harrington

THANK YOU TO OUR SPONSORS

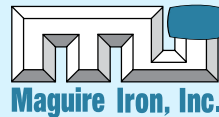
NORTHWEST
 Pipe Fittings

Bartlett & West

DPC
 DAKOTA PUMP & CONTROL



MICROCOMM



A big thank you to all of our sponsors who donated cash and prizes!



was caught by Robby Townley of the Pierre Warriors Team. Robby took home \$600 for landing the largest walleye this year.

The largest non-walleye winner this year was Dan Myers of the Ft. Pierre team. Dan was able to land a 16.15-pound carp. It is more than likely the best carp Dan has ever caught for the simple reason that the carp was worth \$400 in the largest non-walleye category.

The first-place team was team Lennox made up of members Nate Vander Plaats and Kyle Ramynke. These two anglers went out on the water at 7:00 a.m. and called to see where they could weigh in at 9:30 a.m. This was an unusual turn of events considering they didn't have to weigh in until 3:00 p.m. They weighed in 12.15 pounds of walleye and took home \$1,200 for two and a half hours of fishing.

The second-place team was the Pierre Warriors. The team members were Dane Brewer, Robbie Townley and Matthew Brewer. The team weighed in 12.13 pounds of walleye and took home \$900 for their efforts.

The third-place team was team Ft. Pierre. The members making up this team were Dan Myers, Travis Lapour, and Rocky Kiersted. The team weighed in 12.08 pounds of walleye

and took home \$600 braving the elements.

The fourth-place team was team Lip Rippers, made up of members Hannah Kast and Nick Harrington. The team weighed in 11.01 pounds of walleye and took home \$300 for weathering the storm.

The South Dakota Association of Rural Water Systems would like to thank everyone who attended the tournament and all the great sponsors. Along with over \$2,000 in cash donations, there were also a lot of great prizes donated by our sponsors listed on page 23.

Next year's tournament we be held at The Outpost Lodge, Pierre, SD on April 29th, 2023, with the rules meeting the evening before. I hope to see everyone there. 💧



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.



The Power of Association

Only the National Rural Water Association can bring together this unique Products & Services Portfolio designed to meet the needs of utilities.

Call 800-545-1054 for more information or visit nrwa.org!

* Availability may be limited in some states.





ISG

Sustainable Water Solutions

Protecting, preserving, and improving your water resources now and in the future.

Architecture + Engineering + Environmental + Planning | ISGInc.com | Sioux Falls, SD | 605.274.6401



The BEAST Septage Receiving Station A complete septage pretreatment system.

- Removes the inorganic debris from septage.
- Handles heavy solids loading.
- Fast truck unloading time.
- No rock trap required.

VESSCO INC.
Water Treatment's Total Solution
vessco.com 952-941-2678

www.savecowaterna.com

SAVECO
Member of WAMGROUP
Formerly Enviro-Care

WATER TOWER EXPERTS



(605) 334-9749 | MAGUIREIRON.COM |    

EXTEND THE LIFE OF YOUR WATER TANK

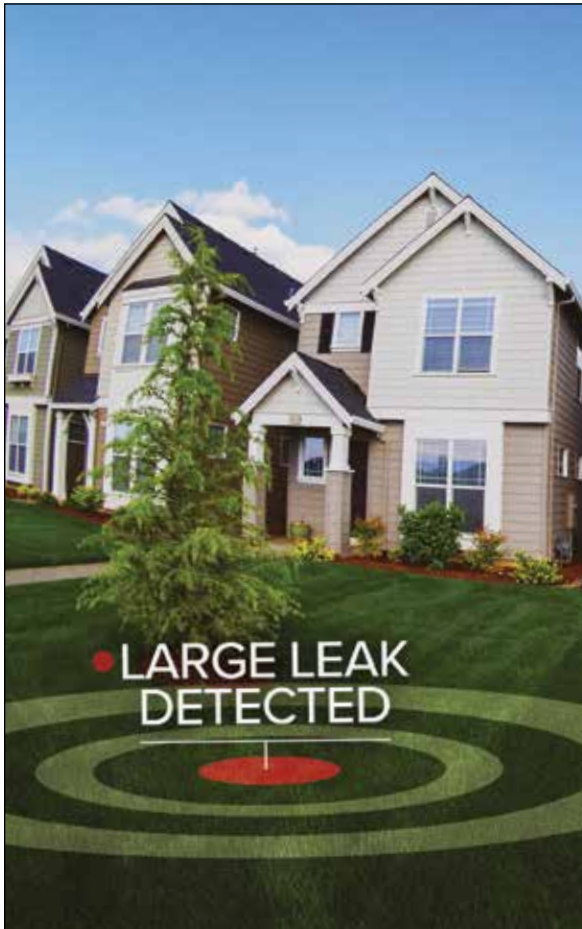
TANK MAINTENANCE & NEW TANKS

- Full-Service and Custom Tank Maintenance Plans
- Interior/Exterior Tank Painting
- Interior/Exterior Sandblasting and Containment
- Interior/Exterior Tank Inspections
- Lead Abatement
- Interior Tank Cleaning and Disinfection
- Custom Tank Logos
- Chemical Cleaning
- Tank Mixing Systems
- 24-Hour Emergency Services



CHAD EDWARDS

South Dakota Water Tower Expert
(605) 759-4957 | edwardsc@maguireiron.com



INDUSTRY LEADING BRANDS FROM THE INDUSTRY LEADING SUPPLIER.

We carry cutting-edge metering technology—capable of not only monitoring regular water usage, but identifying major leaks, backflow and potential tampering. To save time, money and resources, trust in metering solutions from Ferguson Waterworks. **For more information, email meters@ferguson.com**



FERGUSON
WATERWORKS

BISMARCK | FARGO | SIOUX FALLS
FERGUSON.COM/METERS

©2020 Ferguson Enterprises, LLC 02201775833



INFLOW AND INFILTRATION

THE BEST TIME TO CHECK YOUR SYSTEM IS NOW

Danny Ayers, SDARWS Wastewater Technician

One of the biggest problems I have found in the wastewater industry is inflow and infiltration (aka I&I).

Even though we had dry years in 2020 and 2021, eventually, we will have wet years as we did in 2018 and 2019. When will it happen? If I could tell you that, I would have already bought the winning PowerBall ticket. The dry years are one of the best times to prepare for the wet years. A few of the best ways is to smoke test your wastewater collection system; televising sewer mains is another good way to find leaky joints.

You are probably sitting there reading this article thinking, why should I worry about looking for I&I now? The simple answer is because it will bite you in the butt in the wet years if you don't. Maybe you like being up all night long babysitting lift stations during thunderstorms and getting phone calls from town citizens mad at you for the backups that may happen from the extra water influx in the system. Then, by all means, quit reading this article; you'll be bored.

Now for the operators who are really, REALLY sick of babysitting lift stations in the middle of the night in thunderstorms, let's talk. A lot of this can be solved by simply making sure that none of your city residents have their sump pumps going into the sanitary sewer. I know they get mad when you come and check to see if they are, but it does make a huge difference. I've been yelled at for doing it too, but you need to try and explain

to them this is a benefit to them and helps stop backups into their house. Most will listen to that pieces of advice, but you'll still always have a few that won't listen, and it's tough to get through to them about it. Those are usually the ones who think it is just them and no one else, and that's the problem – because if you have a third of the town draining into the sanitary sewer, that's way over double the amount the wastewater collection system was designed to handle.

So, as the town operator, you need to try to seal up as much of the system as possible; when that much water is in the system, it makes your job way, way harder than it should be. You have to remember the wastewater leaving your system is somebody else's drinking water. YES, it becomes someone else's drinking water! Your drinking water is the same way. You are there to make sure that the town has clean, safe drinking water, and you are also there to make sure the wastewater leaving town is no different than the lakes and streams and rivers we all love to play in and use for everything. Former SDARWS Training Specialist Jim Zeck has said it best: being an operator means YOU are an environmentalist. 💧



DANNY AYERS joined South Dakota Association of Rural Water Systems in April of 2020. Prior to that he worked for the City of Winner as the water/wastewater Superintendent for 31 years. Danny has a Class I Wastewater Treatment, Class II Wastewater Collection, Class II Water Treatment, and Class II Water Distribution. He enjoys hunting, fishing, woodworking and camping.



Water Treatment Chemicals, Equipment and Local Service

Scan this QR code
to see the Hawkins
testimonial video.



800.328.5460
wtg@hawkinsinc.com

Black Hawk, SD 605.787.6881 Sioux Falls, SD 605.368.5793 Fargo, ND 701.293.9618 Washburn, ND 701.462.8588

*Customized solutions by a
professionally trained team.*

SERVICE

- Mini Bulk Delivery
- Equipment Installations
- Laboratory Testing

WATER TREATMENT

- Potable Water
- Wastewater Treatment
- Collection Systems

EQUIPMENT

- Chemical Injection Pumps
- Chlorination Control
- Chemical Feed Equipment

Now Hiring for Sales & Service!

Visit www.hawkinsinc.com/careers for current openings and locations



HRGreen®

Providing water and wastewater services for more than a century.

▷ 431 N. Phillips Ave, Suite 400
Sioux Falls, South Dakota 57104-5933
Phone 605.334.4499

▷ HRGREEN.COM

TRANSPORTATION + WATER + GOVERNMENTAL SERVICES
LAND DEVELOPMENT + ENVIRONMENTAL + CONSTRUCTION

SDARWS Conferences & Events



Rural Water Open Golf Tourney | July 19, 2022

The Annual Rural Water Open will take place at the Elmwood Golf Course in Sioux Falls. This tournament is open to Utility Members, Associate Members, and Corporate Partners of SDARWS. Registration is \$100/player and includes golf, cart, lunch, and awards.

For more information, visit www.sdarws.com/golf-tournament.html or email golf@sdarws.com

Elmwood Golf Course
2604 W. Russell St • Sioux Falls, SD • 605-367-7092



Leadership Seminar | November 9-10, 2022

This seminar is geared towards Rural Water System Directors and covers a gamut of topics pertaining to rural water boards.

For more information, visit www.sdarws.com/leadership.html or email jcorbin@sdarws.com

Pierre Ramkota Hotel & Convention Center
920 W. Sioux Ave. • Pierre, SD • 605-224-6877



Annual Technical Conference | January 10-12, 2023

The ATC is the annual conference of the South Dakota Association of Rural Water Systems, and is the largest water/wastewater conference in South Dakota. This event is designed to bring together water and wastewater utility systems – both large and small, municipal and rural – for sessions in operations, management, boardmanship and governance. This conference is held every year during the first week of the South Dakota Legislative session in Pierre, SD and hosts over 500 attendees.

To learn more, visit www.sdarws.com/annual-conference.html or email atc@sdarws.com

Pierre Ramkota Hotel & Convention Center
920 W Sioux Ave. • Pierre, SD • 605-224-6877



Rural Water EXPO | April 26-27, 2023

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. Many will be displaying the recent advances in technology our industry has witnessed over the past several years.

To learn more, visit www.sdarws.com/rural-water-expo.html or email expo@sdarws.com

Rapid City Ramkota Hotel & Convention Center
2111 N Lacrosse Street • Rapid City, SD • 605-343-8550



Rural Water Fishing Tourney | April 29-30, 2023

The Annual Rural Water Warriors Fishing Tournament takes place at the Outpost Lodge on Cow Creek Bay in 2023. Teams consist of 2-3 people with at least one person who is a current water/wastewater, associate member or corporate partner of the SDARWS. This tournament is limited to 50 teams. There is an eight fish maximum per boat with the largest seven fish weighed, and all South Dakota fishing regulations must be followed. A mandatory rules meeting is held at 8:00pm the night before the tournament.

For more information, visit www.sdarws.com/fishing-tournament.html or email fishing@sdarws.com

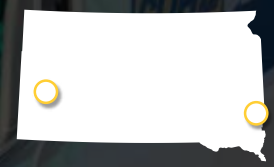
The Leading Distributor of Water, Sewer & Storm Drain Products & Services



WE'RE ALL ABOUT

South Dakota

When you need dependable service in the middle of the night, the eye of the storm or the center of town, you need the waterworks experts at Core & Main.



Sioux Falls
2101 E 54th St N
(605) 339-2814

Rapid City
2808 E Highway 44
(605) 716-9427

- FUSIBLE PIPING
- METERING AMR/AMI
- TREATMENT PLANTS
- STORM DRAIN PUMPING

Local Knowledge | Local Experience | Local Service, Nationwide®

coreandmain.com

PASD20190529



Your number one source

Top providers of creative water and wastewater solutions with over 75 years of combined experience.



treatmentresources.com • 612 702-2692



CERTIFICATION PRACTICE QUESTIONS

- The best resource for operator training is...
 - Your supervisor
 - The Chairman of the Board or Mayor
 - SDARWS
 - Online Library
- Cavitation is a problem with pumps. What can be done to prevent it from occurring?
 - clear the blow-off valve
 - place another pump on the line
 - reduce the suction head
 - reduce the suction lift
- The least head loss in a pipeline would be caused by a fully open
 - angle valve.
 - check valve.
 - gate valve.
 - globe valve.
- In a conventional treatment plant using pH adjustment, the minimum number of runs in a jar test is
 - one.
 - two.
 - three.
 - four.
- To convert milligrams per litre to grains per gallons, multiply milligrams per litre by
 - 98.6.
 - 62.4.
 - 17.1.
 - 8.34.
- Tastes and odors from phenolic compounds may be _____ by chlorination.
 - decreased
 - increased
 - removed
- Calcium oxide is also called
 - slaked lime.
 - quicklime.
 - hydrated lime.
 - dehydrated lime.
- If a water tank is filled with water to a height of 40 ft and the tank is 20 ft in diameter, the pressure at the base of the tank is ____ psi.
 - 17.32
 - 62.4
 - 144
 - 1440
- From a sanitary standpoint, the pressure in a distribution system should not be allowed to fall to zero because
 - the chlorine residual will escape.
 - low pressure allows bacteria to multiply.
 - groundwater may enter and backsiphonage may occur.
 - none of the above.
- Which one of the following is a hazard when using hydrofluosilicic acid?
 - corrosiveness
 - explosiveness
 - flammability
 - none of the above



SINCE 1893

THEIN WELL

- WELL DRILLING
- PUMP SALES/SERVICE
- WELL REHABILITATION
- WELL ABANDONMENT
- GEOTHERMAL
- WELL TELEVISION
- GEOPROBING
- SOIL BORINGS
- MONITOR WELLS
- REMEDIATION WELLS
- ROCK CORING
- GAMMA/G LOGGING

24 Hour Emergency Service

1-800-450-8000

www.theinwell.com



STRUCTURE. & INTEGRITY.

PITTSBURG TANK & TOWER GROUP

An ESOP Company Since 1919
 "100 years and still climbing"

CREWS AVAILABLE GLOBALLY



WWW.PTTG.COM



INSPECTIONS REPAIR TANKS

	Wet	Code Updates	Elevated
	Dry	Paint	Ground
	ROV	Insulation	Relocation
	In-Service Cleaning		Erection Dismantles

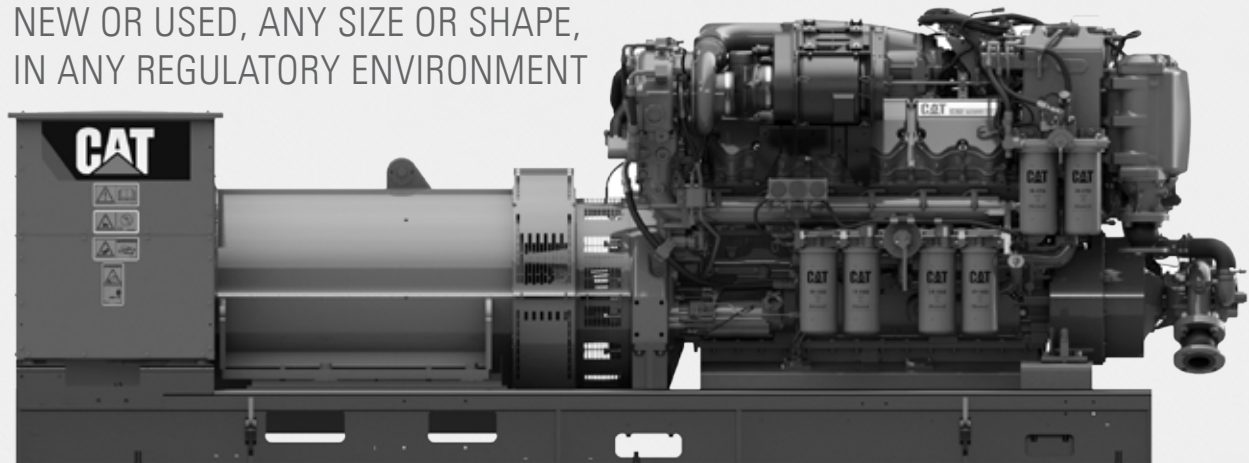
NEW TANKS - Rick DiZinno
 (270) 826-9000 ext. 2601

EXISTING TANKS - Jordan Pyles
 (270) 826-9000 ext. 4601

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

WHEN YOU
NEED POWER WE
THERE FOR YOU. ARE

NEW OR USED, ANY SIZE OR SHAPE,
IN ANY REGULATORY ENVIRONMENT



877.365.8114
BUTLERMACHINERY.COM

Butler 

QUICK & EASY FINANCING SOLUTIONS



www.cobank.com/h2oloan

844-846-3135

Proud Member of the Farm Credit System



PHOTOS FROM THE FIELD



Source Water Protection Specialist Kevin Christensen posting tampering signs on Flandreau's wellhouse as a part of their source waer protection plan.



Steve Attema finishes up a successful test of a "RP" Backflow assembly. Steve performed two tests, the first at a dairy near Parker, SD and the second at a Coop fertilizer site near Marion, SD. SDARWS did the testing at the request of TM Water User District.



Valve Riser cleaning at Sunset Ranch Estates with the hydro vac.



Pictures from Jim Zeck and Nick Jackson's retirement gathering in Pierre this past April.

To see more pictures of SDARWS in action, follow us on Facebook at www.facebook.com/SDRuralWater



FROM THE EXECUTIVE DIRECTOR

KURT PFEIFLE, EXECUTIVE DIRECTOR

DANR ANNOUNCES MORE THAN \$1.1 BILLION FOR SOUTH DAKOTA ENVIRONMENTAL PROJECTS



The South Dakota Department of Agriculture and Natural Resources (DANR) announced the Board of Water and Natural Resources has approved \$1,102,749,980 in grants and loans for drinking water and wastewater projects in South Dakota.

The \$1,102,749,980 total includes \$415,243,398 in grants and \$687,506,582 in low-interest loans with \$642,520 in principal forgiveness. The American Rescue Plan Act accounts for \$406,364,807 of the grant dollars. More than 90 organizations received funding.

“These projects will serve our grandchildren and their

grandchildren,” said Governor Kristi Noem. “I am proud to support these community investments to ensure the people of South Dakota continue to have clean drinking water and safe disposal systems to serve their needs for decades to come.”

The grants and loans were awarded from DANR’s Drinking Water State Revolving Fund Program, Clean Water State Revolving Fund Program, Consolidated Water Facilities Construction Program, and American Rescue Plan Act. The state of South Dakota is making a historic investment in infrastructure by dedicating \$600 million of American Rescue Plan Act funding for local water and wastewater infrastructure grants. ♦

SPN & ASSOCIATES

ENGINEERS SURVEYORS GIS SERVICES

Schmucker, Paul, Nohr and Associates

2100 N. Sanborn Blvd – PO Box 398
Mitchell, SD 57301
Phone (605) 996-7761
FAX (605) 996-0015
www.spn-assoc.com

Water • Wastewater • Storm Water • Streets
Airports • Solid Waste • Animal Waste
Land Surveying • Site Development
Geographic Information Systems (GIS)



**ENGINEERING EXCELLENCE
SINCE 1961**



ELECTRIC PUMP



An Electric Pump Company



800-211-6432
www.electricpump.com

115 Lipton Street
Suite B
Tea, SD 57064

402-333-9660
www.mc2h2o.com



203 W. Center Street
P.O. Box 287
Madison, SD 57042
www.sdarws.com

Supporting Membership

NRWA

We are raising the bar by reinventing our individual membership.

For \$49, you can join the growing community of NRWA Supporting Members dedicated to the success and sustainability of the Rural Water industry.

Every dollar of your membership dues goes to NRWA's lobbying efforts, ensuring that small and rural water utilities and State Rural Water Associations have a voice in Washington, D.C.

Supporting Membership Includes:

- Members-only newsletter, *NRWA Unfiltered*
- Discounts on WaterPro Conference registration and NRWA store items
- Notifications and access to industry-specific training sessions
- Valuable insight directly from key policy leaders
- Inside look at our grassroots agenda to advance water and wastewater utilities
- Subscription to Rural Water Magazine
- and more!



**Be a part of something bigger.
Become a member today.**

Visit nrwa.org/members for more information and to join today!