

JUNE 2023

# ServiceLine

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

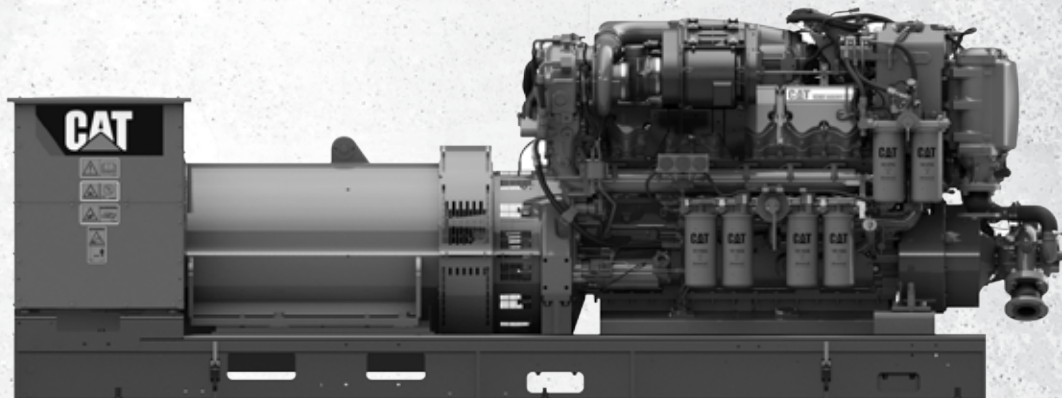
**SDWARN**

**A HAPPY  
SEWER SYSTEM**

**THE PATH TO A  
LEAD-FREE SD**

# WHEN YOU NEED POWER, WE ARE THERE FOR YOU

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



877.365.8114 | BUTLERMACHINERY.COM

Butler 

**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](http://www.bartlettwest.com)



# IN THIS ISSUE



- 5** From The SDARWS President
- 7** Operator Certification Training Class And Exam Schedule
- 9** SDARWS Staff Directory
- 11** 2023 Rural Water Open Registration Info
- 12** Rural Water Open Sponsorship Opportunities
- 15** 2023 EXPO Recap
- 18** 2023 Rural Water Fishing Tournament Recap
- 23** A Happy Sewer System
- 24** The Path to a Lead-Free SD
- 29** SDARWS Mailbag
- 31** South Dakota Water/Wastewater Agency Response Network (SDWARN)
- 33** SDARWS Conferences And Events
- 35** Certification Questions
- 37** Children's Water Festivals Educate and Entertain
- 38** Manage Your Membership on Our New Online Portal



## 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  
 AE<sub>2</sub>S  
 ISG  
 Brosz Engineering  
 Hawkins  
 Respec  
 Jetline Sales & Service

**Cover Photo: Water Tower at Memorial Park in Yankton, SD. Photo credit James Bame (son of 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](mailto: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](mailto:info@sdarws.com) • [www.sdarws.com](http://www.sdarws.com)  
 Copyright 2023



## 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



# 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](http://DAKOTAPUMP.COM)



# FROM THE SDARWS PRESIDENT

RON GILLEN, SDARWS PRESIDENT

## LARRY WASLAND RETIRES FROM SDARWS BOARD

The South Dakota Association of Rural Water Systems (SDARWS) wishes to express its deepest appreciation to Larry Wasland for his outstanding dedication and over 35 years of invaluable service on the SDARWS board of directors. As a representative of the Clark Rural Water System, Larry played a crucial role in advancing the interests of rural water systems throughout South Dakota. His unwavering commitment and tireless efforts have left an indelible impact on the association and the communities it serves.

In addition to his role as a board member, Larry served as the SDARWS representative to the National Rural Water Association (NRWA) board of directors for an impressive 29 years, from 1994 to 2023. As the NRWA director for SDARWS, he skillfully represented the interests of South Dakota's rural water systems at the national level, contributing to the development of policies and initiatives that have greatly benefited the rural water industry as a whole.

Larry's retirement from the SDARWS board announced at the April 2023 board meeting, marks the end of an era filled with his remarkable leadership, expertise, and passion. His contributions to the rural water industry, both at the state and national levels, have been instrumental in shaping the landscape of rural water systems in South Dakota and beyond. The SDARWS extends its deepest gratitude to



*Larry Wasland*



*Gavin Graverson*

Larry Wasland for his remarkable service and wishes him a fulfilling retirement, knowing that his legacy will continue to inspire and guide future generations of water professionals.

## GRAVERSON HIRED

SDARWS recently hired Gavin Graverson as our newest Circuit Rider. Gavin has a Class IV Water Treatment Certificate and 35 years of experience in the industry. In his spare time he enjoys trapshooting and hunting. "I'm looking forward to meeting new people and seeing the different systems and how they operate," says Gavin. Welcome to the team!

## WATERPRO CONFERENCE

It isn't too early to start thinking about attending this year's WaterPro Conference in Aurora, Colorado September 25-27, 2023. NRWA puts on a fantastic show which brings in hundreds of vendors and hosts informative training sessions in operations, management, boardsmanship 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](http://waterproconference.org).

# 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



MAGUIRE

**CHAD EDWARDS**

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



## Still using door hangers ? Still mailing late payment reminders? Let's make your job easier!

Save Time and Money with IRIS - the original web-based **Mass Notification System**.

Reduce costly mailings - instantly send messages via voice, text, e-mail, social media and more!

GIS technology lets you easily create and send map-based alerts to selected customers.

Use IRIS to keep customers and employees safe and up-to-date.

- Billing & Scheduling
- Interruption of Services
- Termination Notices
- Severe Weather Advisories
- Pipe Freeze Warnings
- Contamination Notices
- Public Health Updates

Join 1,000's of water utilities already benefiting from IRIS. Get access to all the features of IRIS.



Notifications That **Get Noticed!**



Visit [UseIRIS.com](http://UseIRIS.com)  
or Call 866-894-5474



# OPERATOR CERTIFICATION TRAINING AND EXAMS

Register for training classes online at: [web.sdarws.com/events](http://web.sdarws.com/events)

Course Name	Date	Location
OpCert Exam (36 Seats Max)	June 21 @ 1:00 PM	Pierre - Matthew's Training Center
Water Distribution	July 11 - 13	Watertown Ramkota - Cattail Room
OpCert Exam	July 13 @ 1:00 PM	Watertown Ramkota - Cattail Room
Wastewater Collection	July 25 - 27	Aberdeen Ramkota - Northern Room
OpCert Exam	July 27 @ 1:00 PM	Aberdeen Ramkota - Northern Room
Basic Water Treatment	August 8 - 10	Sioux Falls Ramkota - Harvest Room
OpCert Exam	August 10 @ 1:00 PM	Sioux Falls Ramkota - Harvest Room
Intermediate Water Treatment	August 29 - 31	Spearfish Holiday Inn
OpCert Exam	August 31 @ 1:00 PM	Spearfish Holiday Inn
Small Water Treatment Workshop	September 19	Via Zoom Only
Stabilization Pond Workshop	October 12	Huron - Huron Events Center
Stabilization Pond Workshop	October 17	Mitchell - Highland Conference Center
Wastewater Collection	October 24 - 26	Rapid City Ramkota - Rushmore Room
OpCert Exam	October 26 @ 1:00 PM	Rapid City Ramkota - Rushmore Room
Basic Wastewater Treatment	November 14 - 16	Spearfish Holiday Inn
OpCert Exam	November 16 @ 1:00 PM	Spearfish Holiday Inn
Water Distribution	December 5 - 7	Rapid City Ramkota - Rushmore Room
OpCert Exam	December 7 @ 1:00 PM	Rapid City Ramkota - Rushmore Room

*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.*

## 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 to DANR. 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](http://danr.sd.gov/OfficeOfWater/OperatorCert/default.aspx)

*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.*

## 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).

# Winwater™

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



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](http://www.bannerassociates.com)

**BANNER**  
engineering a better community



# 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



**PAUL DORWART**

*Technical Assistance  
Training Specialist*

pdowart@sdarws.com  
605-201-9568



**ROBYN BROTHERS**

*Office Manager*

rbrothers@sdarws.com  
605-556-7219



**ALLEN KOCMICH**

*East River Circuit Rider*

akocmich@sdarws.com  
605-201-6026



**JENNIFER BAME**

*Communications &  
Marketing Coordinator*

jbame@sdarws.com  
605-556-7219



**GAVIN GRAVERSON**

*East River Circuit Rider*

ggraveron@sdarws.com  
605-501-2298



**STEVE ATTEMA**

*Safety Training  
Specialist*

sattema@sdarws.com  
605-270-1766



**WYATT HIX**

*West River Circuit Rider*

whix@sdarws.com  
605-641-4557



**BILL THORSON**

*Certification Training  
Specialist*

bthorson@sdarws.com  
605-201-0170



**DANNY AYERS**

*Wastewater Technician*

dayers@sdarws.com  
605-291-2299



**JEFF FOSSUM**

*Technical Assistance  
Training Specialist*

jfossum@sdarws.com  
605-201-9561



**KEVIN CHRISTENSON**

*Source Water Protection  
Specialist*

kchristenson@sdarws.com  
605-641-1923



# 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.



**Our association agency partner:**

Justin Overman  
Marsh & McLennan Agency, LLC  
605.339.3874

RASCompanies.com  
800.732.1486



# Trusted. Professional. Solutions.

At DGR Engineering, we know about water and its vital role in everyday life. After all, we've been working in the industry since 1952. We provide our clients with solutions they can trust, covering all types of water services from supply, treatment, storage and distribution, to wastewater treatment, collection, and sewer rehab.

Call us today to discuss solutions for your next project.



Sioux Falls, SD  
Rock Rapids, Sioux City  
and Sioux Center, IA  
**800-446-2531**





SCAN QR CODE  
TO REGISTER ONLINE



**JULY 18, 2023**

**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)**

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](mailto: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 includes signage at the hole, and recognition in our *ServiceLine* magazine.

## 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 (several 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)**

## BEVERAGE CART SPONSOR - SOLD

## BALL SPONSOR - SOLD

## DONUTS & COFFEE SPONSOR - SOLD

**For more information on sponsorships or the tournament, please email Jeremiah at [golf@sdarws.com](mailto:golf@sdarws.com).**

# Seeing success from your **PERSPECTIVE**

“We know your goals are bigger than just the project at hand. We’re invested in your overall best interest.”

*Dustin Dale, PE, AE2S Engineer*



Water Engineering and Beyond

*Award-Winning Best Place to Work*



## Only the National Rural Water Association can bring together this unique Products and Services Portfolio.



That's the *Power* of Association.

[nrwa.org/members/products-services-portfolio/](http://nrwa.org/members/products-services-portfolio/)

# 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.



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](http://www.dakotasupplygroup.com)

## Become a NRWA Supporting member today!

NRWA Supporting Members Receive:



For more information, contact Chance Winslett at [chance@nrwa.org](mailto:chance@nrwa.org) or 580-252-0629 or by visit [www.nrwa.org/members](http://www.nrwa.org/members)

# RURAL WATER

# EXPO 2023 RECAP



## **Paul Dorwart, SDARWS Technical Assistance/Training Specialist**

**S**DARWS was pleased to be able to host the 10th Annual Water Technology EXPO in Rapid City April 26-27, 2023. This event is designed to provide training opportunities and certification credit hours for municipal, small, and rural water systems located throughout western South Dakota. Over 240 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. In this day and a half training event, attendees were provided with great opportunities to network with EXPO presenters and exhibitors. Thirteen presentations were given over the day and a half event covering topics ranging from the lead service line inventory requirements, lift station maintenance, and rate structure

analysis. The attendees were also updated on funding opportunities from the Bureau of Reclamation and Rural Development. In addition to the valuable knowledge gained, attendees were approved to earn 10 certification credit hours approved by the South Dakota Department of Agriculture and Natural Resources.

Along with the training sessions, the EXPO showcased many of our industry's manufacturer and supplier leaders in our Exhibit Hall. Many displayed 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 40 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 2024 EXPO which will be held April 24-25th 2024 at the Rapid City Best Western Ramkota Convention Center. Watch for more details on our website, in eNews, and future issues of *ServiceLine*. 💧

Are You Giving  
Wipes A Free  
Pass?



**VESSCO**  
INC.

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

# Stop Wipes

before they get into your plant  
with a FSM Perforated Plate  
Belt Filterscreen.



- FSM® has been protecting plants for over 30 years.
- Self-adjusting auto brush.
- 85% capture 24/7.



[www.savecowaterna.com](http://www.savecowaterna.com)

ISG



DRIVEN BY  
**PASSION+**  
**PURPOSE**

101 South Reid Street + Suite 202, Sioux Falls, SD 57103  
605.274.6401

Architecture + Engineering + Environmental + Planning | ISGInc.com



Join Our Team!  
[bit.ly/W\\_WW\\_Jobs](https://bit.ly/W_WW_Jobs)



## Expertise Snapshot

- Capital Improvement Plans
- Feasibility Studies
- Grants + Funding Support
- Hydraulic System Modeling + Analysis
- Industrial Wastewater
- Inflow + Infiltration Studies
- Master Planning + Facility Plans
- Permitting
- Sanitary Sewer + Wastewater Collection
- Site Selection + Surveying
- User Rate Studies
- Water + Wastewater Operations
- Wastewater Treatment
- Water Treatment
- Water Reuse





## THANK YOU TO OUR EXHIBITORS FOR MAKING THIS EVENT POSSIBLE:

- |  |  |
|--|--|
| <b>A.Y. McDonald Mfg. Co.</b>                      | <b>Jasper Engineering &amp; Equipment Company</b>                      |
| <b>AE2S</b>  | <b>KLJ</b>   |
| <b>Banner Associates</b>                           | <b>LiquidTEK LLC</b>   |
| <b>Bartlett &amp; West</b>                         | <b>Maguire</b>   |
| <b>Brosz Engineering</b>                           | <b>Malloy Electric</b>   |
| <b>Core and Main</b>                               | <b>Metering and Technology Solutions</b>                               |
| <b>Dakota Pump and Control</b>                     | <b>Mid Continent Testing Labs</b>                                      |
| <b>Dakota Pump Inc.</b>                            | <b>Midco Diving and Marine Services</b>                                |
| <b>DGR Engineering</b>                             | <b>Milbank WinWater</b>  |
| <b>Direct Companies</b>                            | <b>Modern Coating Solutions</b>  |
| <b>DSG Supply Co</b>                               | <b>Moore Engineering, Inc</b>  |
| <b>Dutton-Lainson Company</b>                      | <b>Northwest Pipe Fittings</b>   |
| <b>Electric Pump</b>                               | <b>Northwestern Power Equipment Co Inc</b>                             |
| <b>Ferguson Waterworks</b>                         | <b>Sioux Valley Environmental Telemetry and Process Controls, Inc.</b> |
| <b>Fischer Harris &amp; Associates</b>             | <b>Titus Wastewater Solutions Inc.</b>                                 |
| <b>Flow Control Automation Inc.</b>                | <b>USDA Rural Development</b>  |
| <b>Foth Infrastructure &amp; Environmental LLC</b> | <b>USG Water Solutions</b>   |
| <b>Franklin Electric</b>                           |  |
| <b>Great Northern Environmental</b>                |  |
| <b>Hawkins Inc.</b>                                |  |
| <b>ISG</b>   |  |
| <b>IXOM</b>  |  |





# 2023 RECAP

**Mike Moeller, SDARWS Technical Assistance Training Specialist**

South Dakota Association of Rural Water Systems held its annual fishing tournament at the Outpost Lodge on April 29th, 2023. A rules meeting was held on the evening of April 28th, 2023. There were 21 teams registered for the tournament this year and only 20 were able to attend the tournament. The weather this year didn't cooperate with the anglers with low water temps and gusty winds it made for a rough day on the water.

The Tournament started at 7:00 a.m. with a shotgun start. The anglers could fish on Lake Oahe or Lake Sharpe will all the teams choosing Lake Sharpe due to the cold water temperatures on Lake Oahe. The anglers fished throughout the day in hopes of filling their live wells with jumbo walleye. As with most fishing tournaments, some were lucky and



# THANK YOU TO OUR SPONSORS

## Bartlett & West



METERING AND TECHNOLOGY SOLUTIONS



NORTHWEST Pipe Fittings



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



**First Place – MJF Veterans Home:**  
Bob Ekzkorn, Casey Buechler, and Scott Miller



**Second Place – Pierre Warriors:**  
Robbie Townley, Gavin Townley, and Darlene Townley



**Third Place – Steve Miller HVAC:**  
Shane Bothwell, Lenny Degenstein, and Steve Miller



**Fourth Place – Northwest Pipe Fittings:**  
Gerrald Ames, Brian Ames, and Jesse Lilleskov

**NEVER TAKE RISKS  
WITH WHAT  
YOU'RE MADE OF**

Ford Meter Box will never compromise the quality of our brass products or alloy because communities around the world depend on them for reliable delivery of clean water. Ford's underground services endure for generations because of what they're made of.

**FORD**  
FORD METER BOX  
www.fordmeterbox.com  
260-563-3171

Play Video

**GNE**

**WATER**  
PROCESS EQUIPMENT

**WASTEWATER**  
PROCESS EQUIPMENT

**LOCAL SD**  
PARTS, SERVICE & SUPPORT

Great Northern Environmental  
**651.289.9100**  
www.gnenv.com | kfritze@gnenv.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 Dry ROV In-Service Cleaning	Code Updates Paint Insulation	Elevated Ground Relocation Erection Dismantles
<b>NEW TANKS</b> - Rick DiZinno (270) 826-9000 ext. 2601	<b>EXISTING TANKS</b> - Jordan Pyles (270) 826-9000 ext. 4601	

**JETLINE**  
SALES & SERVICE

Official Dealer & Distributor For

**rausch** USA

**SOUTHLAND  
TOOL MFG. INC.**

**USB-USA**

Chase Johnson 320.290.5764 | chase@jetlinesales.com | www.jetlinesales.com



caught some fish and others didn't have as much luck. Even the teams that didn't have any luck seemed to have a great time and were happy to be in the tournament.

There was a total of 62.81 lbs. of fish weighed in this year with most of them being fairly small. The largest walleye caught was caught by Bob Etzkorn from the MJF Veterans Home team with a total weight of 4.13 lbs. Bob will receive a payment of \$500 for the largest walleye. The tournament also paid out a prize for the largest non-walleye weighed in with Riley Dalzell from the Perkins County Rural Water team weighing in a 12.14 lbs. carp. Riley will receive a payment of \$300 for his catch.

The first-place team was the MJF Veterans Home team weighing in a total of 16.03 lbs. of walleye. The team members were Bob Etzkorn, Casey Buechler, and Scott Miller. The team will receive a prize of \$1200.

The second-place team was the Pierre Warriors team weighing in a total of 12.14 lbs of walleye. The team members were

Robbie Townley, Gavin Townley (son), and Darlene Townley (daughter). The team will receive a prize of \$900.

The third-place team was the Steve Miller HVAC team weighing in a total of 9.72 lbs. of walleye. The team members were Shane Bothwell, Lenny Degenstein, and Steve Miller. The team will receive a prize of \$600.

The fourth-place team was the Northwest Pipe Fittings team weighing in a total of 5.13 lbs of walleye. The team members were Gerrald Ames, Brian Ames, and Jesse Lilleskov. The team will receive a prize of \$300.

SDARWS would also like to recognize the sponsors of the tournament. Northwest Pipe Fittings, Bartlett and West, Hawkins Chemical, MicroComm, Dakota Pump and Control, DGR Engineering, Metering Technology Solutions, Dakota Butcher, Core and Main, and all the team who fish in the tournament.💧



**Become More. Do More. Experience More.**



**September 25-27, 2023**

Gaylord Rockies Resort & Convention Center | Aurora, Colorado

**Visit [waterproconference.org](http://waterproconference.org) for more information.**



The Official Conference of National Rural Water Association



**ELECTRIC PUMP**



An Electric Pump Company



800-211-6432

[www.electricpump.com](http://www.electricpump.com)

115 Lipton Street  
Suite B  
Tea, SD 57064

402-333-9660

[www.mc2h2o.com](http://www.mc2h2o.com)

# 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](http://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**

# A HAPPY SEWER SYSTEM

**Danny Ayers, SDARWS Wastewater Technician**

**W**hat can we do to keep our sewer collection system happy and healthy? We all like to have that trouble-free sewer system, so what will it take to get there?

First, let's start with a map of the system so we can plan a course of action. If you don't have a map, print an aerial photograph from the internet and draw on your manhole locations. Once we have a map we can decide where we are going to perform maintenance and when to schedule the work.

You can start by listing all your manholes and giving each of them a number; if you have any information on any of the manholes, list that information with the number designation for the manhole. As you gather more information in the future, you can add it to the database that you are creating. Some of the information you may want to collect is the pipe sizes and flow direction for each manhole. You can also record the depth of the invert by measuring from the manhole rim to the bottom of the pipe.

All right, we have started a record log for our sewer system; now, we can expand those records as we get more information. We should start by breaking the manholes into four separate lists to take one list each calendar quarter and select ten percent of the manholes on the list to be inspected. Using this method, you should be able to inspect forty percent of your manholes each year, and over a three-year period, you will inspect 120 percent of your manholes. Now you ask, "why 120 percent"? There will be some manholes that will require a little more attention than others, such as high-flow sewers and manholes that are downstream from schools, restaurants, or any institutions which prepare food. As you are doing your inspections, you will see that some manholes may warrant inspections more often than others. These extra inspections will account for the extra 20 percent. You should always keep your board up to date on the conditions that you are finding in the sewer system so they can make informed decisions on future rehabilitation projects.

Ok, we have a map and an inspection plan. What's next? Now we need to create a maintenance plan. You can decide what is necessary to maintain your system, such as :

1. Which sewer lines need to be jetted, and when? High-pressure jetting is the best way to clean sewer mains. Your mains should be cleaned at least once every three years.
2. Which sewer lines need to be televised, and when? A picture is worth a thousand words and leaves no doubt as to the condition of the sewer main.
3. Do you need to treat sections of the sewer with an acid or degreaser?

4. Do you need to treat any sections of the sewer main for intruding tree roots?
5. Do you need to treat some sewer lines with a sand and silt remover?
6. Do you need to add enzymes to deal with sludge or F.O.G.(Fats, Oils, and Grease)?
7. Are there any silt traps in businesses that need to be inspected? (Car washes or auto repair shops)
8. Are there any grease traps in commercial kitchens that need to be inspected? (Restaurants, Schools, Hospitals, or Nursing homes)

Always inform the board of the maintenance plan and explain to them why it is necessary, as they will have to authorize the funds to pay for that plan.

Once you have started cleaning and televising your sewer system, you will have the information that you need to create

a plan to rehabilitate aging and damaged sewers and manholes. Having this information allows you to plan projects and figure out how to fund those projects.

Knowing what your future needs are, not only for infrastructure but for equipment, allows you to review your sewer rates and set them accordingly to be in a better position to have a sustainable system.

Now that you have a plan make sure that you keep good records. When you do your inspections, note any issues with the asset being inspected, have a plan to address those issues and log those issues and plans in the record of that asset. When you make log entries, always note the date, time, and who is making the log entry. You should also keep a general sewer log that records all the actions that you take in regard to the sewer system. This log will be something that the DANR inspector will want to see when conducting an inspection of your system. Having good records makes those inspections go much better. Remember, if it is not written down, it did not happen.

If you need help setting up any maps or a maintenance plan, please contact one of the South Dakota Association of Rural Water Systems Wastewater Techs, and we will assist you. 💧



**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.

# THE PATH TO A LEAD-FREE SD

On December 16, 2021, the EPA's Lead and Copper Rule Revisions became effective, setting the Lead Service Line Inventory requirement for all community and non-transient, non-community water systems into motion. To comply with new requirements, water systems subject to this rule must develop and submit a complete materials inventory for both the privately owned and publicly owned portions of every service line to the South Dakota Department of Agriculture and Natural Resources (DANR) by **October 16, 2024**.



DANR has contracted with Bartlett & West to provide resources to assist you with completing your inventory. This statewide contract consists of 4 phases: Public Engagement, Initial Service Line Inventory, Statewide Data Compilation and Cost Estimates, and Final Inventories and Replacement Plans.

**PHASE 1: PUBLIC ENGAGEMENT.** This phase aims to develop public education content for water systems to inform and educate your customers on the statewide lead service line inventory. Customers are encouraged to do their part in completing the inventory with a quick 5-minute survey and by self-identifying their home's service line. Universal messaging is paramount in order for this initiative to be as successful as possible.

Systems are asked to use the prepared messaging and communication tools from **sdwaterpipes.com**. Information and documents specifically geared toward water systems can be found in the "Systems Log In" tab at this website. Simply create a log-in to access this information.

Customer-specific resources are under the first heading, and water system and operator-specific content are found by scrolling down under the second heading. Feel free to download and print the fliers, add your system information, and hang these at frequently visited public locations throughout your system. There are also various images and short videos that can be downloaded and posted to social media site(s), along with the suggested text that accompanies the media. Instructions are provided in the associated folders for helpful hints and directions. For the water system content, the Operators Pocket Guide can be a quick reference to maintain a consistent message and will be handy when questions come up while an operator is out and about in the system. The FAQ (Frequently Asked Questions) link will send you to a living document that will be updated throughout the project, so be sure to reach out with questions and check back to this site often.

## **PHASE 2: INITIAL SERVICE LINE INVENTORY CAMPAIGN.**

There are two parts to the South Dakota inventory collection activity: the customer survey for private service lines, and the inventory database which will include both the private and the public service line information.

Water customers will upload their private service line information using the provided electronic survey tool accessed from the QR code on the fliers or directly at survey. [sdwaterpipes.com](http://sdwaterpipes.com). Each water system is responsible for notifying your customers of the project, and that is where the content developed in Phase 1 will come in handy. The customer





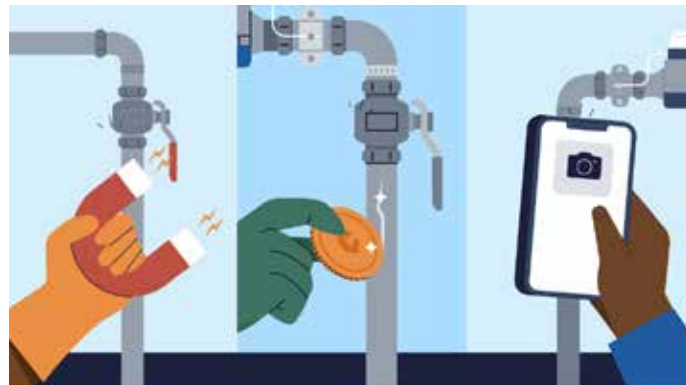
survey data will be incorporated into the inventory database. A printable version of the survey will also be available for systems to download; however, we encourage the use of the electronic survey. Each customer entry is asked to include a photo of their service line as photo verification can be a quick step in your system's validation process.

All residential services need to be included in the inventory. However, if the water system has records showing that a home was constructed after 1987 when the Lead Ban was accepted here in South Dakota, the water system can document those entries directly into the database instead of asking the homeowner to fill out the customer survey. Additionally, a photo of the service line is required for every customer survey sent to the database. If a home is constructed after 1987 and the water system is entering that information instead of the homeowner, a photo of the service line is not required. Therefore, it is beneficial for you to review historic data and identify the homes you should target for the customer survey.

A complete inventory of each water system is required, even if the entire distribution system, including the private side of the service line, was built after 1987. However, as stated previously, systems will not need to reach out to individual customers for the customer survey and private service line photos for homes built after 1987.



In unison with the customer survey data collection, systems will be able to transfer the information collected on your public service lines to the statewide database using an ArcGIS license. Systems with an ArcGIS license will have access to this database. For systems without a license, contact DANR, SDARWS, or MAP for a temporary use license. You will also receive a monthly report (spreadsheet or PDF format) of the



## It's up to you!

Unlock the mystery of your property's water pipe material with the step-by-step survey at [survey.SDWaterPipes.com](https://survey.SDWaterPipes.com)

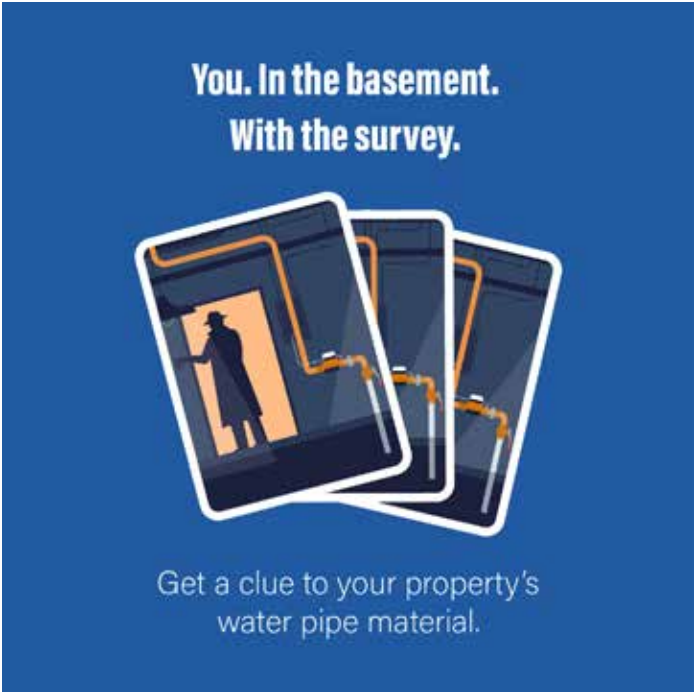
data pertaining to your system for review and verification. We will use this database to identify areas lacking sufficient information that may need to be picked up through field investigations and other means.

Phase 2 runs through the end of August 2023, and our goal is to assist you in obtaining as much data as possible from now until then. To do this, each water system will need to inform their customers about this health initiative, encourage use of the survey tool, and provide contact information for where they can go for questions. Again, resources are found on the project website at [sdwaterpipes.com](https://sdwaterpipes.com). Also, check this site regularly for updates to the Frequently Asked Questions (note, there will be a FAQ specific to water customers and a separate one located under the "Systems Log In" tab specific to water systems).

**PHASE 3: STATEWIDE DATA COMPILATION AND COST ESTIMATES.** Using the data that water systems and customers upload, our team will use predictive modeling to estimate the material composition of the service lines identified as unknown. This information will be used to develop a more accurate estimate of statewide costs for service line replacements. The statewide cost estimate will provide DANR with needed information to develop an effective strategy to leverage the various funding opportunities available and prioritize use of funds.

It is imperative that as much information as possible is entered into the database before utilizing predictive modeling. Further investigative field work will be required in areas that lack enough detail to ensure the modeling is accurate. Since system records can be incomplete and not all homeowners will respond to the survey or be supportive of the data collection, systems are allowed to submit an inventory with

“unknown” service line status identification. However, the more information collected, the closer we will be to a completed inventory. This not only helps the project move forward, but is also helpful in the event that your system hits a Lead and Copper Rule (LCR) action level. The more information you are able to provide by the October 16, 2024 deadline means the fewer service lines you will be required to replace as part of the 40 CFR 141.84 requirements since service lines identified as unknowns are included as lead service lines for this calculation. The DANR would rather see systems implementing a steady and consistent replacement plan that works within your planning and budget than be forced into a project larger than you can handle due to excessive unknowns in the inventory.



the prepared messaging communication tools and begin engaging your customers by **June 30, 2023**. The goal is to complete the bulk of your inventory by the end of **August 2023**. The prepared public education resources available

to you consist of one-page fliers explaining the nationwide lead service line initiative to your customers, an infographic, and various images and videos. The latter includes a 90-second video for your customers, explaining the importance of the project and completing the survey. This media directs your customers to the electronic survey for them to complete their service line identification.

In the second one-page flier, systems are given the opportunity to offer an incentive to their customers for completing the customer

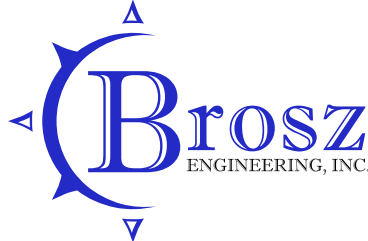
**PHASE 4: FINAL INVENTORIES AND REPLACEMENT PLANS.** Systems will have time between the Phase 2 Initial Inventory Service Line Campaign and October 16, 2024 to collect additional information regarding unknown service lines, allowing systems to submit the most complete final inventory possible. In addition to the inventory, a replacement plan is required to be submitted to the inventory database. The DANR will manage the inventory following the October 16, 2024 deadline, and systems will be required to submit updates to the inventories annually as improvements are made to public and private service lines statewide.

survey. While this incentive is optional and will be resourced (either funded or donated) through your system, keep in mind that the more customers successfully completing the survey leads to less time and effort you are spending quite literally digging up this information. This can be beneficial and cost-effective for your system. 💧

**QUESTIONS CAN BE DIRECTED TO:**  
**Erin Fagnan**, SDDANR, erin.fagnan@state.sd.us, 605.910.4953  
**Erin Steever**, Bartlett & West, erin.steever@bartwest.com, 605.373.5915

We are entering the final stages of Phase 1 and are asking all water systems to visit **sdwaterpipes.com** to view and utilize

*You can also reach out to your favorite South Dakota Association of Rural Water Systems contact (see page 9 for contact information)*



# Lead Service Line Inventory

What you (and your customers) need to know

To encourage your customers to complete the lead service line inventory, you'll need to understand the project and how to communicate about it. Luckily, there are messaging and communication tools already available for you.

## Lead Service Line Requirements

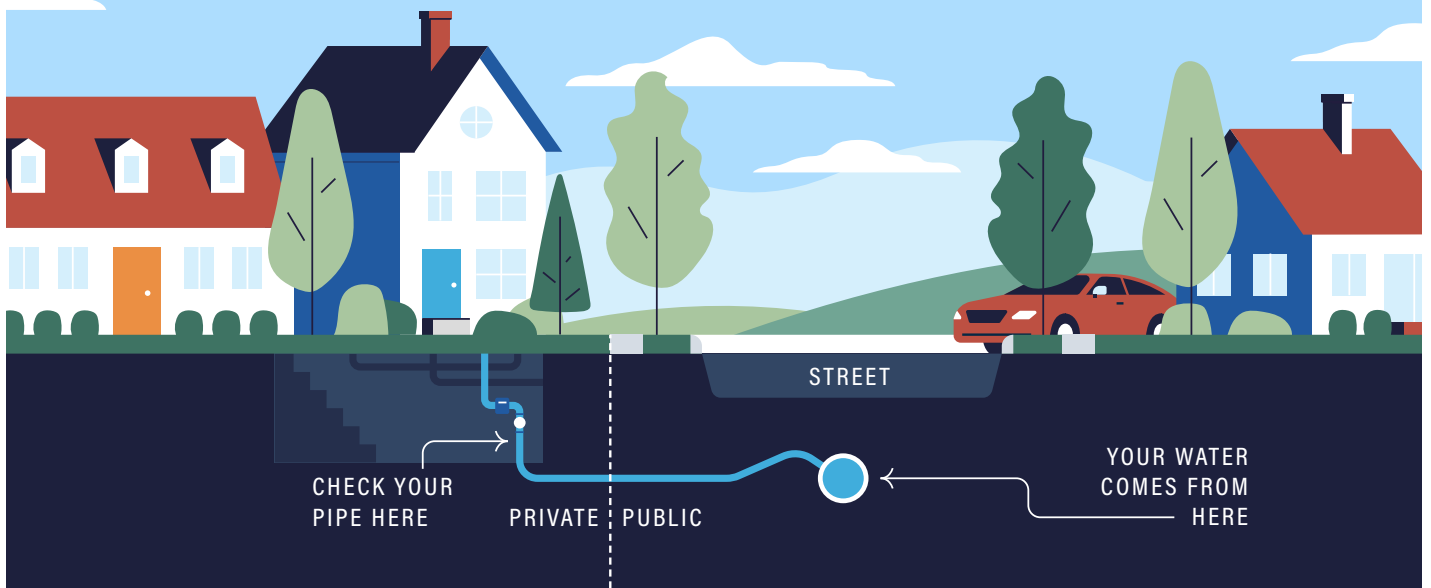
The more “unknown” service lines you have, the more you'll have to replace, according to the Lead and Copper Rule.

Systems with lead service lines with compliance sampling results over **15 micrograms/liter** after corrosion control treatment installation must replace **7%** or more of the lead service lines in their distribution system per year—including lines marked as “unknown.”

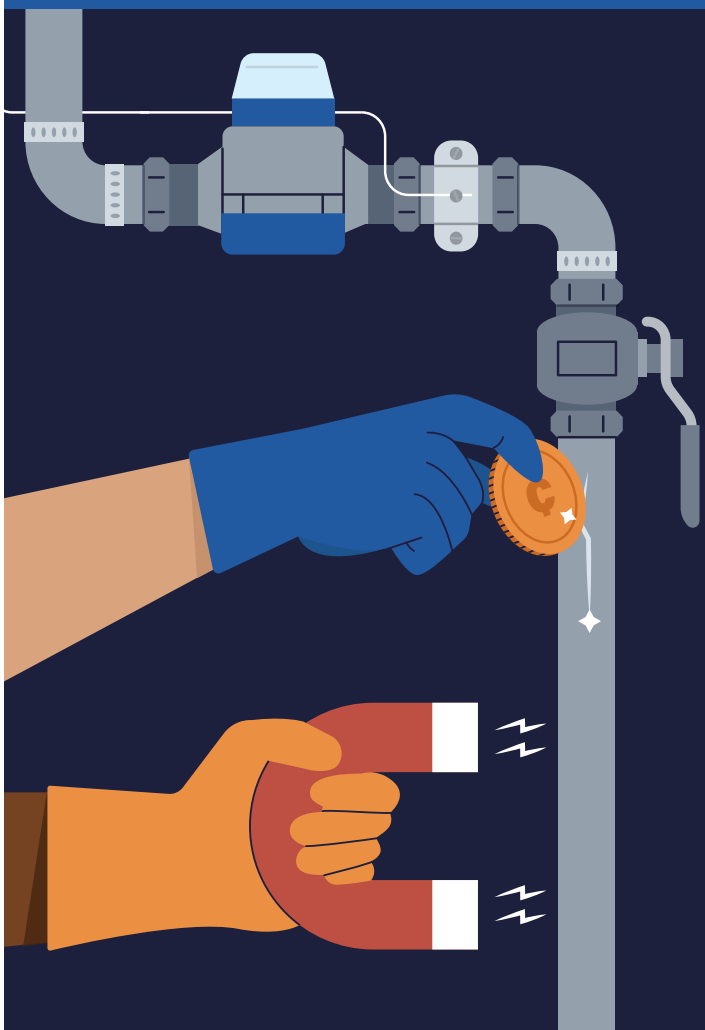


## Spread the word to complete the survey

Visit [sdwaterpipes.com](https://sdwaterpipes.com) to learn more about the project and access important resources to help with your customer communication.



# Initial inventory deadline: October 16, 2024



## Requirements after the deadline: EPA

- Update every year or every three years based on the lead tap sampling frequency
- Systems that demonstrated absence of lead service lines by October 16, 2024, don't need to provide an update

## Requirements after the deadline: Customer follow-up

Provide notification to the persons served at the water connection with a LSL, GRR, or "lead status unknown" service line

- 30 days after completing the initial inventory; repeated annually until only non-lead service lines remain
- At time-of-service installation for new customers

## Here are some suggestions you can consider communicating with your customers:

### Your customer's service line has been identified to contain lead. What now?

- 1 We will be noting it in our inventory and designating it to be replaced in the near future.
- 2 In the interim, because your line has lead, you can flush your line. Use a NSF/ANSI 53 certified pitcher filter to protect yourself until the line is replaced.
- 3 Consider offering to collect a water quality sample from their service.

Visit [sdwaterpipes.com](https://sdwaterpipes.com) to learn more, access resources for the project, and start sharing information with your customers.

# SDARWS MAILBAG



**Pickerel Lake**  
Sanitary District

2908 Peabody Avenue  
Grenville, SD 57239  
605.486.0069  
info@plsdistrict.org

April 14, 2023

South Dakota Association of Rural Water Systems  
ATTN: Jeff Fossum  
203 W Center St  
Madison, SD 57042

Dear Jeff,

Pickerel Lake Sanitary District (PLSD) greatly appreciates the technical assistance services you and your SDARWS team provided our district last August and September. Your team worked with our System Manager Justin Carlson to conduct a thorough smoke test of the sanitary sewer system. The test proved challenging due to the location of various access points around the lake, but your "can do" attitude prevailed resulting in a successful project. Your feedback was extremely useful and helped us address issues and notify cabin owners of problems with their properties.

PLSD has relied on SDARWS' expertise to assist the district with identifying system issues and accurately mapping the system. These efforts will greatly help us move ahead with our system upgrade project recently approved by the South Dakota Department of Agriculture & Natural Resources.

We give you high marks and greatly value your organization's mission and look forward to your continued support.

Sincerely,

Iver Finnesand, Josh Bartos, and Kim Remily  
Pickerel Lake Sanitary District Trustees

Justin Carlson, PLSD System Manager

*Good Morning Sir.*

*My name is Justus Baxter and I'm a new operator in Kimball. I just wanted to take a quick minute of your time to express my appreciation towards a few of your employees. Al Kochmich and Danny Ayers have always been readily available for all questions and stop by frequently to give some advice or just ensure I don't need anything. Bill Thorson was a vital piece to my success in passing my Level one distribution, waste water treatment and stabilization pond courses on my first go. Having absolutely zero knowledge in any of this before starting speaks volumes to his classes and ability to teach. Lastly, Paul Dorwart is without a doubt a fundamental part of my success. On some days he answers my phone calls ten times a day without any hint of frustration. I know these gentlemen are treated pretty well in your organization, but may I suggest a pat on the back for all they do for every operator in SD. Without them, I'd most likely be just another new guy with no direction or confidence on the jobs at hand. Thank you for your time.*

*Justus Baxter  
City of Kimball*

## PLEASE SEND LETTERS!

SDARWS asks for your letters of appreciation in return for our on-site assistance.

These letters are used to help obtain funding to continue these programs.

**PLEASE SUBMIT LETTERS TO:**  
info@sdarws.com; or mail:  
SDARWS • PO Box 287  
Madison, SD 57042



**City of Wilmot**

P.O. Box 40 • 725 Main St, Wilmot, SD 57279 • Phone: 605-938-4811 • Fax: 605-938-5802 • wilmot@tnics.com

13 March 2023

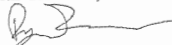
South Dakota Association of Rural Water Systems  
Attn: Ron Gillen, President  
PO Box 287  
Madison, SD 57042

Mr. Gillen,

The City of Wilmot wishes to recognize Certification Training Specialist Bill Thorson for the time and effort he put forth in preparing our Public Works Superintendent for the Stabilization Pond exam. Mr. Thorson's knowledge, expertise, classroom, and one-on-one material training was a key factor in preparation to take the exam and successfully pass it.

As an associate member of the South Dakota Association of Rural Water Systems, the City of Wilmot has also benefitted from networking with the East River Circuit Rider staff and leak detection and utility mapping services. The support and services received from the South Dakota Association of Rural Water Systems and their staff is very professional and is much appreciated.

With Gratitude,

  
Ryan Frerichs, Mayor  
City of Wilmot



Since 1913, HR Green has provided solutions that build communities and improve lives.



▶ SIOUX FALLS

▶ HRGREEN.COM



## 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

### Now Hiring for Sales & Service!

Visit [www.hawkinsinc.com/careers](http://www.hawkinsinc.com/careers) for current openings and locations

*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



# SDWARN

## South Dakota Water/Wastewater Agency Response Network



### **Allen Kocmich, SDARWS Circuit Rider**

Imagine a beautiful late spring morning, everything is going right and you're having a good day. You have your day planned out. Then disaster strikes, a severe thunderstorm including high winds and heavy rains are creating your worst nightmare. You don't have time to think beyond what is in front of your face or what you have to deal with first. The electricity is out high service pumps and lift station pumps aren't working. You need help, you need manpower, equipment, generators, and leadership assistance. Your County Emergency Manager is coming to help but you need more.

Every community may need help every now and then when things go wrong and living in South Dakota there is always someone to lend a helping hand. Every system in South Dakota may have an emergency or need assistance at some time and SDWARN may be that helping hand.

The mission of SDARWS network is to support and promote statewide emergency preparedness, disaster response and mutual aid assistance for public and private water and wastewater utilities.

SDWARN is a utility helping utilities mutual aid response network for water and wastewater systems to provide another avenue for emergency resources, equipment, and assets to be requested and shared among water and wastewater systems in South Dakota. SDWARN has several large pumps housed across SD and are ready to go. The largest pumps are two 6-inch diesel pumps each capable of pumping 1200 GPM, SDWARN also has a diesel 4-inch pump, and four gas powered 4-inch pumps all equipped with hard suction and discharge hoses. SDWARN does NOT have generators.

SDWARN has 132 current members with no cost to join and any response is completely on a voluntary basis. In the past the pumps have been successfully activated during large disasters

(2011 Missouri River floods, 2019 City of Bison Water Outage, 2019 flooding) These are all big disasters, but the pumps have also been used in many smaller capacities like pumping down lagoons when a valve fails, or a lift station must be taken offline.

SDARWS also has equipment that can be used in a disaster like leak detection trailers, hydro vacs, sewer line/storm water plugs and experienced personnel that are willing to get their hands dirty wherever they are needed.

Systems across the state are willing to help also and if you are one of those systems that have equipment to contribute, again there is no cost to join SDWARN. In the next few months SDWARN will be contacting members to update information and login usernames and passwords to the WARN site.

The time to prepare for a disaster is not when you have one. 💧

**To contact SDWARN with any questions or needing assistance please contact the following:**

### **WARN CHAIRPERSON**

**Robin Dykstra**, Lincoln County RWS – 605-929-6036

### **SDARWS**

**Allen Kocmich**, (SDARWS East River) – 605-201-6026

**Mike Moeller**, (SDARWS West River) – 605-270-4989

**Paul Dorwart**, (SDARWS Central) – 605-201-9568



**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).

# Special Loan Terms for SDARWS Members!

South Dakota Association of Rural Water Systems (SDARWS) has partnered with CoBank,

a national cooperative bank that serves rural America, to provide attractive financing solutions for SDARWS members. Find out about the specially negotiated terms on many loan products and bonds for water and wastewater utilities, including:



- ✓ USDA INTERIM CONSTRUCTION FINANCING
- ✓ USDA GUARANTEED LOANS AND BONDS
- ✓ LINES OF CREDIT
- ✓ DEBT REFINANCING
- ✓ TERM FINANCING



**CONTACT**  
Michael Griffiths  
Call: 720-520-6261  
Email: [griffiths@cobank.com](mailto:griffiths@cobank.com)



## Your number one source

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



[treatmentresources.com](http://treatmentresources.com) • 612 702-2692



# SDARWS Conferences & Events



## Rural Water Open Golf Tourney | July 18, 2023

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 [sdarws.com/golf](https://sdarws.com/golf) or email [golf@sdarws.com](mailto:golf@sdarws.com)

**Elmwood Golf Course**

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



## Leadership Seminar | November 8-9, 2023

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

For more information, visit [sdarws.com/leadership](https://sdarws.com/leadership) or email [jcorbin@sdarws.com](mailto:jcorbin@sdarws.com)

**Pierre Ramkota Hotel & Convention Center**

920 W. Sioux Ave. • Pierre, SD • 605-224-6877



## Annual Technical Conference | January 9-11, 2024

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 [sdarws.com/ATC](https://sdarws.com/ATC) or email [atc@sdarws.com](mailto:atc@sdarws.com)

**Pierre Ramkota Hotel & Convention Center**

920 W Sioux Ave. • Pierre, SD • 605-224-6877



## Rural Water EXPO | April 24-25, 2024

The EXPO is open to all water and wastewater utility staff, board/council members, engineers, State and Federal employees. The training will consist of 13 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 [sdarws.com/EXPO](https://sdarws.com/EXPO) or email [expo@sdarws.com](mailto:expo@sdarws.com)

**Rapid City Ramkota Hotel & Convention Center**

2111 N Lacrosse Street • Rapid City, SD • 605-343-8550



## Rural Water Fishing Tourney | April 2024

The Annual Rural Water Warriors Fishing Tournament takes place at the Outpost Lodge on Cow Creek Bay in 2024. 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 40 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 [sdarws.com/fishing](https://sdarws.com/fishing) or email [fishing@sdarws.com](mailto:fishing@sdarws.com)

**Outpost Lodge on Cow Creek Bay**

Cow Creek Recreational Area, 28229 Cow Creek Rd. • Pierre, SD • 605-264-5450

# RESHAPING THE FUTURE OF UTILITY TECHNOLOGY



Analytics



Security



Mobility



Office



Field

## *An Integrated Technology Cooperative.*

CSA/PCS is an industry leader in utility software solutions. As a member-owned cooperative, we strive to provide best-in-class integrated solutions for: billing, financials, engineering, operations, analytics, and customer empowerment - in a secure, hosted environment.

*We provide a true enterprise experience.*

888-843-3106 • pcs-csa.com



Central  
Service  
Association

Professional  
Computer  
Solutions



“We love our new website! This is the best decision we ever made!”



**RuralWaterImpact.com**

*Smart Websites for Smart Water Systems™*



**MunicipalImpact.com**

*Smart Websites for Smart Communities™*

*Trusted website provider for more than 1,400 small towns and water systems across America!*



**Text Alerting System • Easy Updates • Secure Hosting • Free Trial • Unlimited Support • Money-Back Guarantee**

**FAST LAUNCH: Get a Website in Just 3 Days! Call Today (888) 551-4815**



# CERTIFICATION PRACTICE QUESTIONS

- 1. A maximum contaminant level is the**
  - a. numeric value to contaminants indicating a degree of health hazard.
  - b. maximum contaminant level, always expressed in milligrams per litre (mg/L).
  - c. indicator of safe drinking water.
  - d. highest allowable concentration of a particular contaminant in drinking water.
- 2. A common requirement for the chemical storage of quicklime and soda ash is that the compounds should be stored**
  - a. in a dry area.
  - b. in elevated bins.
  - c. separately to ensure that different loading and handling equipment are used.
  - d. together to simplify loading and handling procedures related to chemical feeding.
- 3. A motor pulls 4 A at 440 V uses**
  - a. 110 W.
  - b. 440 W.
  - c. 880 W.
  - d. 1760 W.
- 4. Pinpoint floc, fish eyes and high turbidity in settled water are indicators of**
  - a. operating problems that require further investigation.
  - b. inadequate flash mixing.
  - c. inadequate detention time in the flocculator.
  - d. improper solution preparation.
- 5. The effect of partially closing the discharge valve on a three-phase, induction motor-driven centrifugal pump would be to**
  - a. cause the motor to draw less amperage.
  - b. cause the motor to run hotter.
  - c. cause the motor to run slower.
  - d. cause the pumped water to get colder.
- 6. During the backwash cycle, the backwash rate must be high enough to**
  - a. provide for proper bed stratification.
  - b. prevent media loss.
  - c. cause the media grains to agitate violently and rub against each other.
  - d. allow the operator to observe the media.
- 7. An operator desires to disinfect 100,000 gallons of water in storage with a dose of 50 mg/L of chlorine. He has 60 lb of HTH, which is 65 percent available chlorine, and dumps it all in. This was**
  - a. the right amount.
  - b. too much.
  - c. not enough.
- 8. If sodium fluoride solution is used with water containing hardness in excess of 75 mg/L as CaCO<sub>3</sub>, it is recommended that**
  - a. total hardness be reduced by the lime-soda ash process or ion-exchange method, whichever is appropriate.
  - b. the make-up water be softened.
  - c. hydrofluosilicic acid be substituted.
  - d. hydrofluosilicic acid be used and diluted.
- 9. Finished-water sample points are normally monitored for**
  - a. pH.
  - b. final pH, alkalinity and bacteria.
  - c. chlorine residual and turbidity.
  - d. bacteria, chlorine residual and turbidity.
- 10. A softening curve is plotted from**
  - a. visual observations made with the aid of a stirring rod.
  - b. jar tests and testing process performance.
  - c. calculating the Langelier index.
  - d. a series of calculations using the conversion-factor method.



**Bridging the gap**  
between idea +  
achievement

Sioux Falls 605.977.7740  
Rapid City 605.791.6100



[hdrinc.com](http://hdrinc.com)

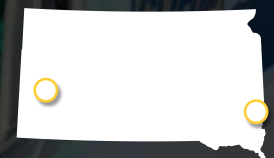
The Leading Distributor of Water, Sewer & Storm Drain Products & Services



**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](http://coreandmain.com)

PASD20190529

# CHILDREN'S WATER FESTIVALS EDUCATE AND ENTERTAIN



**A**fter enduring a long, snowy winter in South Dakota, the locals, particularly the children, eagerly anticipate the arrival of warmer weather and outdoor activities. Among these activities are the highly anticipated Water Festivals. Recently, the Sioux Empire Water Festival (SEWF) and the Big Sioux Water Festival (BSWF) held successful events well-attended by fourth and fifth-grade students in the area. I am fortunate to be involved in both of these fantastic events.

Children's Water Festivals originated in 1988 when the "Children's Groundwater Festival" was established in Grand Island, Nebraska. Following its success, the idea spread, and similar Water Festivals were launched nationwide, including those in South Dakota. Jerry Siegel, manager of the East Dakota Water Development District, organized the Big Sioux Water Festival's first festival on May 18th, 1993. Mr. Siegel then proposed the idea of a similar festival to the Sioux Falls area, resulting in the birth of the Sioux Empire Water Festival.

The SEWF celebrated its 30th anniversary on the University of Sioux Falls campus in March. Despite colder temperatures and snowy conditions, 46 area schools, 104 teachers, and 2,304 fourth-grade students attended the two-day festival. The SEWF provides students access to three 20-minute presentations on water and conservation-related topics and hands-on activities in the exhibit hall. In 2021, due to Covid-19, the festival was a hybrid version with limited numbers allowed on campus while the rest participated virtually.

The BSWF, which is now in its 31st year, is held in May on the campus of South Dakota State University. The festival hosted 1,101 area fifth-grade students and 56 classrooms from 25 area schools. With warmer temperatures and the end of the school year in sight, students and teachers eagerly explore the SDSU campus and attend the six 20-minute presentations and hands-on activities in the exhibit hall. The BSWF was canceled in 2020 due to Covid-19, but the organizers managed to provide the fourth-grade students with a "Water Festival in a Box," including YouTube links and hands-on activities that teachers could lead inside their classrooms.

Organizing these events requires numerous volunteers from local communities, businesses, and professionals in the field, and it takes many hours to pull them off. However, judging by the expressions on the students' faces, it is well worth the effort. 💧



**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.

# MANAGE YOUR MEMBERSHIP ON OUR NEW ONLINE PORTAL

Our new website is powered by MemberClicks by Personify, the association industry's most powerful Association Management Software system. Our website offers many self-service and exclusive benefits that only members and/or their employees can take advantage of. To ensure only members receive these benefits, these areas of our site require a valid log in. This guide will teach you how to log in and update your information, as well as take advantage of as many benefits as possible. The more you update and personalize your membership, the more value you will receive from us!



## WHAT CAN I DO ON THE ONLINE PORTAL?

- Update your contact information (plus organization information if you're the main contact or an editor)
- Access members only content
- View your benefits, CEUs/certificates, and more
- Upload media (company logo, staff pictures, directory photo gallery and video)
- Change your password

## LOG IN TO TAKE CONTROL OF YOUR MEMBERSHIP

- You will need to use your username and password to gain access to our private Members Only Area.
- Your username is the email address we have on file. If this is your first time logging in, you will need to click 'Forgot your password' to set up a new password.

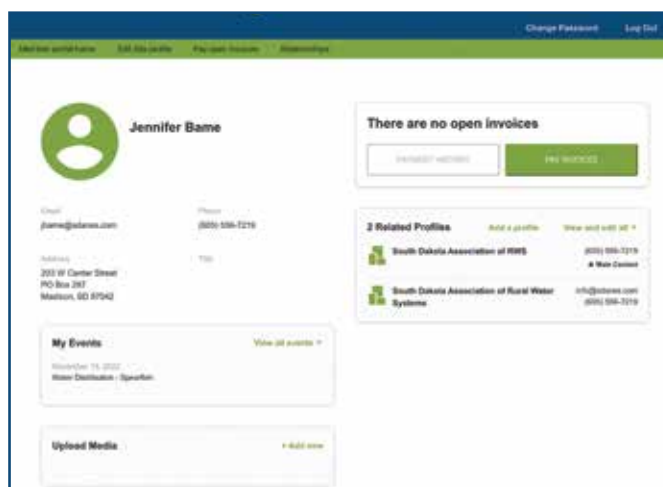
## EDIT THIS PROFILE

This link will open a page that allows you to update much of the information on your profile. If you are an Editor for your related organization(s), you can click 'Switch Profile' at any time to edit additional profiles. This helps us ensure we always have the latest information about you and your business.

**You can edit the following information:**

- Name, address, and other basic contact information
- Directory Listing category and descriptions
- Relationships you have to other profiles (including adding new profiles you are related to)
- Social media accounts
- Name, address, and other basic contact information
- If you have the right permissions, you can also edit the profiles related to your organization. You can add new staff, update current staff, or remove former staff

Once you make changes (and hit SAVE), they are submitted for approval by SDARWS.



## VIEW BENEFITS, CEUS/CERTIFICATES, AND MORE!

- From the home page of your profile and any related profiles (for main contacts and editors), you can view event history, certifications, CEUs, committee involvement, and member benefits. *(Please note that any CEUs or certificates earned, or any event history before November 2022 will not be available).*
- We are working on expanding the member offerings on our online portal - so stay tuned for more information!

# USDA WATER & WASTE WATER DISPOSAL LOAN AND GRANT PROGRAM

Improve Your Facility

## About the Program

This program provides funding for clean and reliable drinking water systems, sanitary sewage disposal, sanitary solid waste disposal, and storm water drainage to households and businesses in eligible rural areas.

## Funding

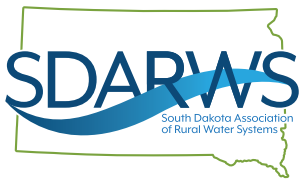
Long-term, low-interest loan funding is available. If funds are available, a grant may be combined with a loan if necessary to keep user costs reasonable.

## USE YOUR FUNDS TO FINANCE THE ACQUISITION, CONSTRUCTION, OR IMPROVEMENT OF:

- 01 Drinking water sourcing, treatment, storage, and distribution
- 02 Sewer collection, transmission, treatment, and disposal
- 03 Solid waste collection, disposal, and closure
- 04 Storm water collection, transmission, and disposal
- 05 Other related activities such as permits and legal fees



Scan the QR code to view more information and start your application.



203 W. Center Street  
P.O. Box 287  
Madison, SD 57042  
[www.sdarws.com](http://www.sdarws.com)



**SCAN QR CODE  
TO REGISTER ONLINE**



**JULY 18, 2023**

**ELMWOOD GOLF COURSE • SIOUX FALLS, SD**

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

**REGISTER ONLINE AT [SDARWS.COM](http://SDARWS.COM)**

Tee times will be assigned to each team