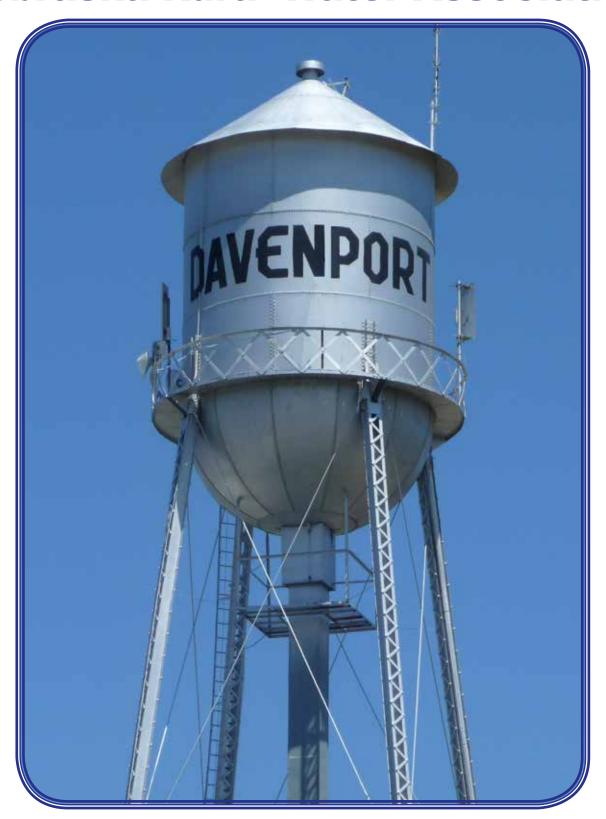
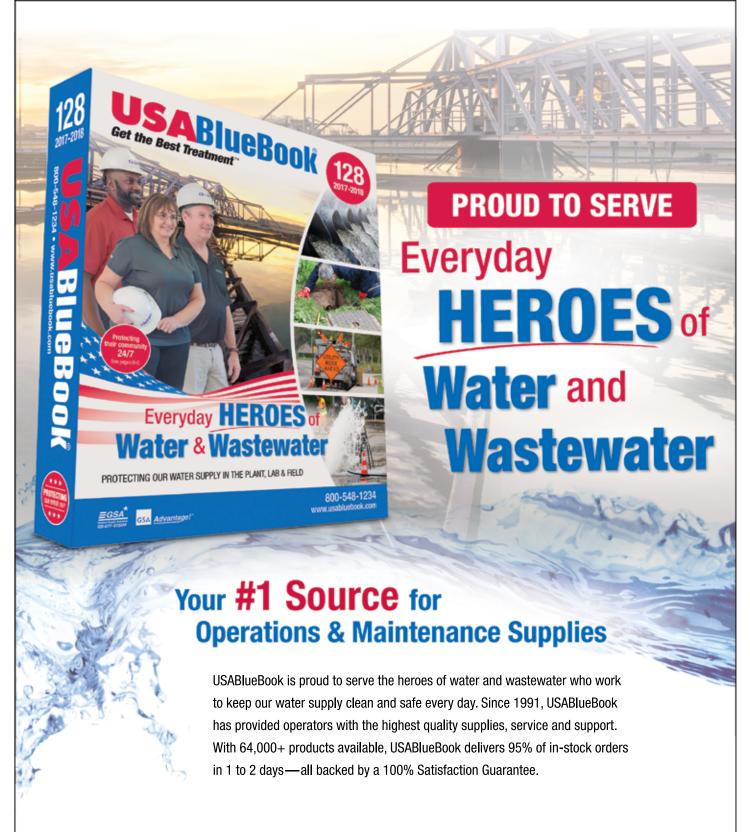
Nebraska Rural Water Association



Nebraska Good Water News



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Nebraska Good Water News

Issue 1/2019

Board of Directors

"Keeping Our Water Safe"

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"Nebraska Good Water News" is a quarterly publication of the NEBRASKA RURAL WATER ASSOCIATION, 3390 Ponderosa, Wahoo. Nebraska 68066. Phone 1-800-842-8039 or (402) 443-5216 or FAX (402) 443-5274. Copies are mailed to all member rural and municipal water operators, Federal and State Legislators, associates and individual members.

The NEBRASKA RURAL WATER ASSOCIATION is dedicated to the improvement and assistance of all public water systems in the State of Nebraska.

NOTICE: Nebraska Rural Water Association does not endorse any particular product or company in this publication. Membership and advertising should not be taken as an endorsement.

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Website: www.nerwa.org

On the cover:

The Davenport Water Tower.

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How'd We Do and Letters From...

Village of Anselmo PO Box 68 Anselmo, NE 68813

November 14, 2018

Nebraska Rural Water Association 3390 Ponderosa Drive Wahoo, NE 68066

The Village of Anselmo would like to thank your organization for the services it provides to The vinage of Anseimo would like to mank your organization for the services it provides to Nebraska communities. The knowledge and expertise of your technicians is always appreciated. To Whom It May Concern:

A special thanks to Mike Stanzel for his assistance earlier this summer. He helped us determine the location of leakage in our water queton.

donation for your equipment fund. The work of the Association riease accept the enclosed and resources you offer are invaluable to so many. Thank you again for your time and efforts. the location of leakage in our water system.

Sincerely,

Please accept the enclosed

elin Christen

Village Clerk/Treasurer

The City of Humboldt appreciates the expertise from NeRWA Circuit Rider, Randy Hellsbusch, for his time to do a rate study of Humboldt's water and sewer utilities. The City of Humboldt is sending a monetary donation to put towards the NeRWA equipment fund. Thank you, Randy!

CITY OF HUMBULUI

Zon are always great to work

with, Handy! Carol: Cony

Village of Bertrand

November 13, 2018

Nebraska Rural Water Association 3390 Ponderosa Drive Wahoo, NE 68066

Dear Nebraska Rural Water Association,

The Village of Bertrand would like to take the time to thank you for your expertise in helping us locate a service line in Bertrand. Mike Stanzel, a Circuit Rider with the Nebraska Rural Water Association came to our aid when our witching sticks could not locate a line. He was able to hook a device to the faucet that vibrated the line and allowed us to follow its origins. This process saved the Village money, as well

Please except this donation of for providing the services that you do! We realize that we could not perform so of for your equipment fund. And again, thank you our tasks to the best of our abilities without the support that you provide.

Sincerely,

Matt Lyg Matt Gregg Utilities Superintendent Village of Bertrand.

NERWA

507 Minor Avenue PO Box 295 Bertrand, NE 68927 308-472-3455 bertra@atcjet.net



Naomi Grupe M_{ayor}

Julie A. Buescher

THE CITY OF DESHLER 305 E. BRYSON / DESHLER, NE. 68340 / 402-365-4260

Nebraska Rural Water Association 3390 Ponderosa Dr Wahoo, NE 68066

Dear Vendor:

We are updating our records and need to obtain a current W-9. This will help us validate

Taxnaver Mailing Address Taxnaver Identification Number (TIN) and Tax Filing We are updating our records and need to obtain a current w-y. This will help us validate This is required to ensure accurate records and accurate 2018 IRS reporting if Your Taxpayer Mailing Address, Taxpayer Identification Number (TIN), and Tax Filing needed.

This is required to ensure accurate records and accurate 2018 IRS reporting, if

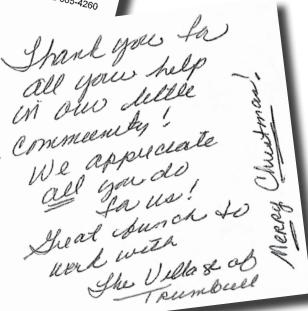
Please fill out all the required fields, verify accuracy, sign, and date the attached IRS

please return it to no hy November 30 2018 at the above address. Fax (46) Please till out all the required fields, verity accuracy, sign, and date the attached IRS or email (citydesh@oncom net)

Please return it to us by November 30, 2018 at the above address, Fax (402-

We appreciate your prompt attention to this matter. Sincerely,

Duescla Julie A Buescher City Clerk/Treasurer



CITY OF PONCA

PO Box 465 Ponca, Nebraska 68770 Fax 402-755-2618 402-755-4165 www.ci.ponca.ne.us

November 26, 2018

Nebraska Rural Water Association 3390 Ponderosa Street Wahoo, NE 68066

NRWA Staff

The City of Ponca would like to thank Mike Stanzel for their help in performing a hydrant flow test in an area we hope to see business growth. By providing the City with your service current and accurate information can be provided to their architect.

Please accept the enclosed contribution in appreciation for all the assistance you provide. Sincerely,

Denise L'Eterson, mmc

Denise L. Peterson, MMC City Administrator/Clerk/Treasurer

RURAL WATER DISTRICT NO. 1 LANCASTER COUNTY, NEBRASKA

310 FIR STREET PO BOX 98 - BENNET, NEBRASKA 68317 402.782.3495 www.lrwd1.com

January 7, 2019

Nebraska Rural Water Association 3390 Ponderosa Drive Wahoo, NE 68066

Dear NeRWA,

On behalf of the Lancaster Rural Water District #1 and myself, we would like to thank you for your assistance by accepting this donation toward your Equipment Fund. When an Emergency Chlorination was required by the DHHS in late October, we needed to act promptly and efficiently. Without hesitation, Mike Stanzel, Randy Hellbusch and Pat Petersen reached out to us offering their assistance and expertise in this matter. We spent all day reviewing maps, setting up chlorinators and charting how long and how fast it would take to cover our system.

It makes me proud, not only to be part of the great organization like NeRWA but to realize how important these guys are. The professionalism, the attention to detail and the knowledge they all carry is among the best. Lancaster Rural Water looks forward to the continued relationship it has built with all of you for many years to come.

Again, "Thank you guys" we could not have done this without you.

Jordon D. Bang District Manager

Lancaster Rural Water District No.1

CITY OF BENKELMAN

126 7TH AVE EAST P.O. BOX 347

FAX (308)423-2539 E-MAIL: cityben@bwtelcom.net

PHONE (308)423-2540

Diane L. Rosenfelt City Clerk/Treasurer

Robert Rhoades Mayor

December 19, 2018

Nebraska Rural Water Association 3390 Ponderosa Wahoo, NE 68066

The City of Benkelman would like to thank Randy Hellbusch, Pat Petersen and Mike Stanzel for all the Dear Nebraska Rural Water Association:

help they have given the City.

Randy has been on scene numerous times to help us out with Water Rates, it is greatly appreciated!

Last week Pat Petersen and Mike Stanzel were in town and located a water leak that we could not find;

so very helpful! please accept this donation of for all the work you do for us, it is much appreciated.

Thanks,

Diane L. Rosenfelt City Clerk/Treasurer

City of Benkelman

2019 TRAINING

<u>Grade 6 Backflow Prevention Cross-Connection Control Course - 5 Day</u>

January 14-18 Wahoo April 8-12 Wahoo October 7-11 Wahoo

Wastewater Certification Course

February 26-Mar. 1 Wahoo
April 2-3 (Lagoon) North Platte
August 13-16 Wahoo
October 15-16 (Lagoon) Wahoo
November 5-8 Wahoo

Wastewater Training				
January 8	Neligh			
February 13	Wahoo			
March 27	Crete (SUMW)			
April 10	Ogallala			
May 2	Omaha			
June 19	Chadron			
July 17	Lindsay (SUMW)			
August 27	Duncan			
September 5	Aurora			
October 2	Omaha			
November 12	Mitchell			
December 5	Wahoo			

Water OperatorTraining					
April 9	Bridgeport				
May 7	Emerson				
June 12	Sutton				
July 9	Chadron				
August 6	Atkinson				
October 17	McCook				
November 13	Minden				
December 3 December 12	Pawnee City Wahoo				

Don't Forget:

This is the year for **Grades 1-4** and **Grade 6** water license renewals. You need 10 CEUs by the end of the year. Plan to attend early in the year. Classes at the end of the year fill up early, especially the ones in Wahoo.

	r Continuing on Training Gordon Bridgeport
February 5	Nebraska City
February 7	Stanton
April 16	Cairo
April 18	Wymore
April 24	Wahoo
May 8	Valentine
September 4	McCool Junction
September 5	Ord
October 22	South Sioux City
October 24	O'Neill
November 13	Wahoo
December 10	Mitchell
December 11	Ogallala
December 12	Cambridge
December 18	Wahoo

August 21 Trenching & Shoring WahooAugust 22 Confined Space Entry Wahoo

Annual Conference March 11-13

Younes Conference Center Kearney, Nebraska

Fall Western Conference Sept. 24-26

Gering Civic Center Gering, Nebraska



Source Water Protection Planning

By Barney Whatley, Source Water Specialist

There are six steps that need to be taken when developing a source water protection plan, and they are all essential and several of them should be completed simultaneously. The six steps are: Delineating the source water protection area; inventorying potential sources of contamination; managing the potential sources of contamination; planning for emergencies and contingencies; planning for new sources of water; and public education and involvement.

As a result of the 1996 amendments to the Safe Drinking Water Act, the Nebraska Department of Environmental Quality (NDEQ) was tasked with developing source water assessments for all public water supply owners. These assessments were completed and furnished to all public water supply owners by May of 2003. These assessments delineated the source water protection area for the systems based on computer models incorporating pumping data and ground formations near the wells. NDEQ will update the delineations and the protection areas as needed when wells are added or removed from the system.

These assessments also included any contaminant sources that are in the NDEQ database, which include licensed facilities and reported spills. The Department of Natural Resources (DNR) also has a database of all registered wells within the protection area which need to be considered. An onsite contaminant source inventory is also required to locate and list other sources, including abandoned wells, onsite fuel, chemical and grain storage, unregistered domestic and irrigation wells and feed lots, etc.

Once the contaminant inventory is completed, the task of managing the sources that have been located can begin. The local NRD has cost share programs that can be utilized for abandoning wells, soil and water conservation and other best management practices. UNL extension offices have publications to assist homeowners in landscaping practices that conserve water and limit fertilization. If the water supply owner is a village or city, zoning regulations can be utilized to limit or prevent land use practices that are harmful to the future water supply.

Emergency and contingency planning should incorporate all foreseeable natural and man-made events that could contaminate the water supply. Part of this process needs to be looking at new sources of water in case the current source becomes unusable for any reason. Testing existing wells near the system for contaminants can assist in determining possible sites for new well fields, should that become necessary.

Throughout all of this process, the public needs to be kept informed and invited to offer input and suggestions on how to protect the drinking water source. This includes those who drink the system water as well as those who own land within the source water protection area. Many farmers and ranchers move into town when they retire, so they too have a personal interest in keeping the water supply safe. Encouraging best management practices on the farm and in town is much better than passing laws and regulations to prohibit people from using their property as they see fit. This is America, the land of the free, after all.



Location: 4428 South 108th Street Omaha, NE 68137

(402) 551-7995 (402) 553-5879 Fax



Page 6 Nerwa

Nebraska Rural Water Association

Annual Conference Pre-Registration

March 11-13, 2019 Younes Conference Center Kearney, Nebraska

AIIII	iuai C	Oille	GIICE	rie-iv	Egisi	iauon			, Nebraska	
me (1 person per	form)						:			
ater System/Company Name						Deadline is l'iarch o				
						, State, Zip				
endee's Email							_			
(Ce	rtificates v	vill be ei	nailed if a	n email add	dress is į	provided)		I am the Voti	ng Delegate	
License numb	oers MU	IST be	on this	form: V	VO:	BF	_ wv	WD		
I am a Board Me (Cost of meals of	IF Y(ember a	OU SUE	ıg Mond	THERE \	//ILL Bl narge)	ADY REGISTERED PEE AN EXTRA \$25 CHA	RGE		17,	
DAYS AT	ITENDING	1		Member		Member after February 27		Non-Member	Non-Member after February 27	
FULL CONFERENCE	E (all meal	ls)		\$375	.00	400.00		\$400.00	\$425.00	
MONDAY (evening r	meal)			\$100	.00	125.00		\$125.00	\$150.00	
TUESDAY (lunch & e	evening me	al)		\$175	.00	\$200.00		\$200.00	\$225.00	
WEDNESDAY (break	kfast & lund	ch)		\$125	.00	\$150.00		\$150.00	\$175.00	
will not be charg	ed for the breakfa	nem if y ast on	ou are	registered	d—it's f	dicate below if you wi for a more accurate c entary for all registere Name of guest	ount.	Guests need to	ening meals. You purchase a ticket fo	
Mon evening		\$25	\$	Ш	Re	gistration \$				
Tues lunch		\$15	\$			kets \$		Total \$		
Tues Banquet		\$30	\$			NeRWA men			ment enclosed	
Wed lunch \$15			"	Non-members—Payment must accompany registration or pay when checking in.						
	ter onlir 143-527	ne, DO 4		,	-i	CERTIFICATES WILI NOT BE SUBMI PAY	TTED		ENCY UNTIL	
 Mail: Nebraska Rural Water Association 3390 Ponderosa Street Wahoo, NE 68066 NO PHONE REGISTRATIONS 					 	When making room re		-		
NO PHONE REGISTRATIONS						DATE REGISTR	AHC	NN KECEIVED:	·	

CANCELLATION POLICY: Cancellations after March 5 and NO SHOWS will be charged a \$25 fee to cover cost of materials.

For NeRWA office use only:		Payment received		Check #		
Hours:	wo	BF	ww	_ WD	Certificate mailed	



Fire Protection Cost

By Randy Hellbusch, Circuit Rider

This is an article that I wrote back in 2005. I have recently had a few inquiries about this subject. As stated below, I am not necessarily a big advocate for charging a hydrant fee in small water systems but it is good ammunition when consumers complain about the cost of water. It is one aspect that many residents just take for granted.

If you ask any water operator or system manager what their main goal is, they will tell you it is to deliver safe water. Most of us in the drinking water industry consider it our job to do just that, deliver safe drinking water.

While it is true that delivering safe potable water is the no. #1 goal, fire protection is a close second for many small towns. This is one more aspect of many water operator jobs that the public just takes for granted. If a house catches fire everyone expects the fire hydrant to work so that hopefully a major disaster can be avoided. What most people don't think about is that this all comes with a cost. In conducting water rate studies, I am being asked more often by systems about charging a fee for fire protection. This is a practice some larger systems utilize. I don't know of any smaller systems that currently use this practice and must admit that I haven't given much thought to it in the past. It is an idea that does make sense.

If it wasn't for the need for fire protection, many small community water systems could have been constructed at far less costs. Piping could be downsized. Well capacity could be reduced and water storage needs could be greatly reduced, if not eliminated. I am in no way advocating that we don't provide our citizens with fire protection, but when water rates increase, I feel it is one aspect that the public doesn't give much thought to.

There are many ways to figure fire protection costs. Much depends on the variables of each individual water system. Without going into the boring details, using the calculations derived from AWWA M1, and using data I have from small water system budgets throughout the state, as near as I can figure, a good average cost is about \$200.00 per year per hydrant. This figures in the added cost of the larger piping depreciated over time, capacity demands on the system, hydrant maintenance, etc. Hypothetically, let's say a town of 1,000 people with 450

customers has 100 hydrants. If you take the 100 hydrants X \$200 and divide by the 450 customers and then divide by 12 months you get \$3.70 per month per user for fire protection. This may or may not be something your water system would want to consider. It is good information though for the next time a customer complains about their water bill.

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Geneva Office

PO Box 367, 846 South 13th Geneva, NE 68361

Doug Yantzie, Municipal Manager

Office: (888) 496-3902 After Hours: (402) 759-2929

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Nebraska Rural Water Association 41st Annual Conference March 11-13, 2019

EXHIBITOR REGISTRATION

Younes Conference Center 416 Talmadge St Kearney, Nebraska

Registration includes 2 reps (meal tickets included). THERE WILL BE A \$25 FEE FOR REP SUBSTITUTIONS ON THE DAYS OF CONFERENCE Representatives: (1)_______(2)______ Address: City State Zip _____ Email address: _____ Phone: ____ Member: One Booth-\$450, Two Booths-\$750, Three Booths-\$1000 Non-Member: One Booth-\$750, Two Booths-\$1050, Three Booths-\$1300 EACH ADDITIONAL BOOTH GETS 1 MORE FREE PERSON Number of Booths requested Amount due \$_____ Amount due \$_____ Additional reps x \$100 (meals included) All Reps must have a NeRWA Name Badge to be allowed in the Exhibit Hall Please provide a brief description of your company for the conference program: SET UP IS 8:00 A.M. TO 12 NOON ON MONDAY, MARCH 11 Exhibit space is 10x10 and includes an 8'table, 2 chairs, skirting, electricity and wireless internet. Sponsorship/Donation: NeRWA appreciates contributions to offset costs. Sponsors will be published in the conference program and banners will be displayed in the exhibit hall. See attached sheet for explanations of each sponsorship. Platinum Sponsor: \$2500 Gold Sponsor: \$1000 Silver Sponsor: \$500 Bronze Sponsor: Less than \$300 □ Meal tickets for 2 reps are included with each registration. Indicate additional tickets: Mon Dinner-\$25 _____ Tues Banquet-\$30 _____ Donation \$ Total Registration cost \$_____ Tues Lunch-\$15 _____ Wed Lunch-\$15 ____ Extra ticket cost \$ Payment must accompany registration form. \$100 LATE FEE AFTER MARCH 5 Total Enclosed \$ To be included in the conference program, registrations must be received by February 15. No refunds if cancelled after March 6, 2019, or No Shows at the conference. If payment is not included with the registration, you will not be given a space unless prior arrangements have been made with the NeRWA office. Credit cards are accepted. If using a credit card the registration may be emailed to salli@nerwa.org. Mail completed form WITH PAYMENT to: Nebraska Rural Water Association / 3390 Ponderosa / Wahoo, Nebraska 68066 402-443-5216 & 800-842-8039 For NeRWA office use only: Date Received _____ Check # _____

FUN 19 NIGHT





BILLIARDS



7:00 PM - 10:00 PM MONDAY, MARCH 11TH at the Big Apple Fun Center



The trolley will provide round trip transportation between the Big Apple Fun Center and Younes Conference Center from 6:45 - 10:15 PM.

Social event is hosted by the Nebraska Rural Water Association and is sponsored by:











CONFERENCE DETAILS

The 41st annual conference will begin Monday at 1:00 at the Younes Conference Center in Kearney, Nebraska. Registration and check-in will begin at 10:00. If you have pre-registered, you need to check in to receive your name tag and information. Once you have picked up your information, you do not need to check in again. You will need to register if you have not done so previously. The registration desk is open until 5:45 to assist you in any way we can. There is no lunch but there are two breaks. You can mingle, grab a snack and stroll through the exhibit area. Make sure to check out the raffle items and purchase tickets. You must be a registered conference attendee or exhibitor to be eligible for tickets. There is an evening meal at 6:00 on Monday, following with Fun Night activities right after. All meals are included for those registered for the conference. There are additional meal tickets available for purchase for any guests. A shuttle will be available from 6:45-10:15 to transport people back and forth to the game center.

Tuesday will begin at 7:30 with check in for those preregistered and who need to register for the first time. The registration desk will be open till 5:00. Lunch is provided for those registered at 11:30. The annual water tasting contest will take place after lunch. There are also four breaks during the day. A social is being held in the exhibitor area from 5:45-6:30 followed by the dinner. Awards will be handed out right after the meal for operator of the year, the water contest winner, and the Russ Topp award. Entertainment and refreshments are provided after the meal.

Wednesday begins with a breakfast for all registered attendees at 7:00 and is open till 8:30. There are two breaks in the morning with lunch at 12:00. The raffle prize winners will be announced after lunch. The conference winds up with two sessions after lunch and concluding at 2:00.

There are a total of 14 water, 12.5 wastewater, 5 backflow and 9.5 well driller. The hours per day are:

Monday: 4 water, 2.5 wastewater, 1.5 well driller Tuesday: 6 water, 6 wastewater, 5 backflow,

5 well driller

Wednesday: 4 water, 4 wastewater, 3 well driller

If you have any questions, need directions to classes, or anything else, just come to the registration desk or find one of the NeRWA staff who are available any time during the conference.



133 W. Washington St. • P.O. Box 218 West Point, NE 68788 Phone: (402) 372-1923

Monday 11			allroom 4&5					
		Regulation Update						
		New Drinking Water Admir	nistrator Sue Demsey Field	CONFERENCE AGENDA				
		Services Manager Andy Ka	ahle DHHS	(Tentative)				
		1.5W 1.5WD						
0.20	12.00	I Duna ale		Hours App	lied For:			
2:30	3:00	Break		Hours App	ileu FOI.			
3:00	4:30	NEWARN Update		14 Wate	er (W)			
		Dennis Watts, City of Norf		12.5 Wastewater (WW)				
		How Well do you Know \	=	5 Backflo				
		Rich Koenig, DHHS 1.5	W 1.5WW	9.5 Well Dri				
4:30	5:00	Break						
5:00	6:00	USDA/RD Update		Monday: 4W, 2.				
5.00	0.00	Marty Norton, Denise Mee	ko USDA/DD	Tuesday: 6W, 6V	VW, 5BF, 5WD			
		1W 1WW	KS USDA/RD	Wednesday: 4V	V, 4WW, 3WD			
Tuesda		Diamond Ballroom 4	Diamond Ballroom 5	Diamond Ballroom 9	Diamond Ballroom 10			
9:00	10:00	Rural Water System	Small System Round	Cured in Place Pipe and	Backflow Roundtable			
		Round Table	Table	Manhole Rehab	Rich Koenig, DHHS			
		NeRWA Staff & Board	Rural Water Board &	Bret Melson, Johnson	1W 1WW 1 BF			
		1W	Staff 1W 1WW	Service				
				1WW				
	•		30 minute break					
10:30	11:30	Cybersecurity is	Dealing With	Back-Up Generation	Hydraulics of			
		Necessary	Contaminants	Rob McShane, Interstate	Backflow			
		Chris Lindell, City of	Michael Goodin, Layne	Power Systems	Brett Petersen, Mack			
		Beatrice IT Specialist	Christensen	1W 1WW 1WD	McClain			
		1W 1WW 1WD	1W 1WD	100 1000 1005	1W 1WW 1BF			
		TIVV TVVVV TVVD	1 hour lunch		IVV IVVVV IBF			
12:30	1:30	Water/Wastewater	Water Tank	Rule and Regulation	PRV/Automatic			
12.50	1.30			Changes to the Nebraska				
		Operator Health	Maintenance	_				
		Benefits	Jake Dugger, Maguire	811 Process	Affects on Backflow			
		Shane Baack, Principal	Iron	Jill Geyer, Nebraska 811	Applications			
		Services	1W	1W 1WW 1WD	Brett Petersen Mack			
		1W 1WW			McClain			
					1W 1WW 1BF			
			30 minute break					
2:00	3:00	Social Media Crash	Flexible Drop Pipe:	Flow Measurement	Backflow Incident and			
		Course for the	Maximize the Life of	Options	Emergency Planning			
		Water/Wastewater	Your Well	Steve McAlpine, FCX	Rich Koenig, DHHS			
		Sector	Jim Lowery, Hose	Performance	1W 1WW 1BF			
		Brian Gongol, DJ Gongol	Solutions	1W 1WW				
		& Assoc	1W 1WW 1WD					
		1W 1WW						
	ı		30 minute break					
3:30	4:30	Heavy Metal Guide to	Ice Pigging	Gravity and Pressure	Backflow Knowledge			
		Pump and Flow Control	Paul Treloar, Suez/Utility	Pipe Rehab Options	Rich Koenig, DHHS			
		Materials	Service	Brian McCrary,	1W 1WW 1BF			
		Brian Gongol, DJ Gongol	1W 1WW 1	AEGION/Insituform				
		and Assoc		1 WW				
				1				
		1W 1WW 1WD	45					
	T= .=	J	15 minute break		la			
4:45 pm	15:45 pn	Water/Wastewater	Leak Detection and	Electronic DMR's	Sump and Grinder			
		Operator Environment	Locating	Alan Aanerud, NDEQ	Pumps			
		Safety	Brent Briley, Subsurface	1WW	Chris Smith, Mack			
	1	Guy Loop, Willco	Solutions		McClain			
			00.00.0					
		1W 1WW 1WD	1W 1WW 1WD		1WW			

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CONFERENCE AGENDA

(Continued)

Wednesday 13		Diamond Ballroom 4	Diamond Ballroom 5	Diamond Ballroom 9			
7:30	8:30	NeRWA Board Meeting and Operator Breakfast					
8:30	9:30	Rules and Regulation	Metering Technology	Essentials to Collection System			
		Changes to the Nebraska 811	Charles Bausch, Core&Main	Maintenance			
		Process	1W 1WW 1WD	George Edwards, Edwards			
		Jill Geyer, Nebraska 811		Environmental			
		1W 1WW 1WD		1WW			
			15 minute break				
9:45	10:45	NCORPE Project	You Put What on Your Water	Lift Station Maintenance and			
		Chris Miller and Jasper	Tower? Jake	Troubleshooting			
		Fanning, Miller Associates	Dugger, Maguire Iron	Mike Bishop, Iowa Pump Works			
		1W 1WD	1W	1WW			
			15 minute break				
11:00	12:00	Level 1 Assessments	Investing in Infrastructure	Paper to Digital: How Mapping			
		Doug Woodbeck, DHHS 1W	Resiliency	Supports Utilities			
			Nushot Dyson USEPA 1W	Jay Hoffman, Global Water Practice			
			1WW 1WD	1W 1WW			
			1 hour lunch				
1:00	2:00	Operator Quiz and Review	Board Trainings	Wastewater Operator Certifcation			
		Ralph Naber/Bob Byrkit, DHHS	Ken Halvorsen, NeRWA 1W	Procedures			
		1W	1WW	Mike McBride, NDEQ			
				1WW			

This year's conference will be our 41st anniversary.

We hope you have registered but, if not, we would like you to join us.

There will be new training sessions, lots of great prizes and giveaways, and, of course, some fun.

Below are the hotels – ask for NeRWA room blocks.

Fairfield Inn & Suites (connected to center) – 308-236-4200

Comfort Inn (connected to center) – 308-236-3400

Hampton Inn (next door) - 308-234-3400

LaQuinta (next door) - 308-237-8100



Recertification Time

By Pat Petersen, Training and Technical Assistance

It's time to start thinking spring: Mowing, painting, cleaning up the yard and a little thing we like to call the Nebraska Rural Water Association's Annual Conference! This year's conference is set for Monday, March 11 through Wednesday, March 13, 2019, once again at the Younes Conference Center in Kearney, Nebraska. This year is a recertification year for all water operator license holders so plan on attending to get any needed hours.

On past evaluations I have heard that operators would like to see some new things. This year we hope to provide some new ideas and concepts in the water and wastewater field. With that being said, we will still have some of the traditional presentations such as DHHS Regulatory and agency update to kick the conference off. Other traditional presentations will be agency updates from the USDA/Rural Development and also NeWARN. These presentations always provide vital information and resource opportunities for communities and operators.

Round table discussions seem to be a good way to kick off the full day of classes on Tuesday. These open discussions can help with certain issues or questions you may have or lead you to the right vendor in the exhibit hall to help with any headaches you may incur in your water or wastewater system. Water tanks, meters, back-up generation and regulation changes with the Nebraska 811 are some of the same flavors you will see on Tuesday, but let me tell you about some of the new things!

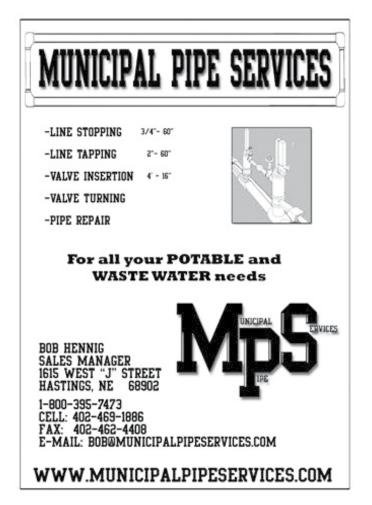
Cybersecurity has become an issue when it comes to water systems. We will have a cybersecurity attack that actually happened here in Nebraska on Tuesday morning. It really can and does happen anywhere! Health benefits, a social media crash course, ice pigging, and how to stay safe in certain environments are a few more topics operators can learn about.

One change we hope to have this year is an earlier start to the breakfast on Wednesday morning so more operators can attend the annual board meeting that follows. Classes will still be scheduled to start at 8:30 but should give operators a little more time to enjoy their breakfast. After the early start classes will conclude at 2PM. Lift station maintenance, infrastructure resiliency, flexible drop pipe for your well, and antennas on your water tower are just

a few of the things you might want to listen in on. There will also be a quick session on board training to wrap up the conference.

So be sure to mark your calendars for March 11-13, 2019! If you need 2 credit hours or all 10 plan on attending the NeRWA Annual Conference. Remember, it is a recertification year.

Finally, it is always great to see the operators that we don't normally see on a regular basis! You are the people that make our jobs great! Did I forget to mention that it will also be a very fun time!! See you in Kearney!



Page 14 Nerwa

NEBRASKA RURAL WATER ASSOCIATION SCHOLARSHIP APPLICATION 2019

Personal Data NAME First Middle Last CITY STATE ZIP ADDRESS Eligible System Employee Data TITLE NAME CITY STATE ZIP ADDRESS MEMBER SYSTEM______ TELEPHONE_____ RELATIONSHIP TO APPLICANT_____ EMAIL___ **High School Data** SCHOOL NAME GRADUATION DATE _CITY____ ADDRESS STATE ZIP YOUR CLASS RANK_____NUMBER OF STUDENTS IN CLASS_____YOUR GRADE POINT AVERAGE (Transcript must be submitted with application) LIST BELOW ANY ACADEMIC AWARDS, MEMBERSHIPS OR OTHER SPECIAL RECOGNITION YOU HAVE RECEIVED DATING BACK TO YOUR SOPHOMORE YEAR. College/University Data IS THIS YOUR FIRST YEAR OF HIGHER EDUCATION? YES_____ NO____ IF NO, CREDIT HOURS COMPLETED ______ NUMBER OF CREDIT HOURS REQUIRED TO GRADUATE COLLEGE GRADE POINT AVERAGE SCHOOL NAME CITY STATE ZIP ADDRESS ___ 4-YEAR COLLEGE/UNIVERSITY PLEASE INDICATE: ____ 2-YEAR COMMUNITY/JUNIOR COLLEGE VOCATIONAL TECHNICAL SCHOOL MAJOR COURSE OF STUDY Priority will be given but not limited to water related studies. (For those already in college, a first semester transcript or grade report and second semester enrollment must accompany application) ON A SEPARATE PAGE IN 250 WORDS OR LESS, WRITE A BRIEF MESSAGE ON YOUR GOALS AS THEY RELATE TO YOUR EDUCATION, CAREER AND FUTURE PLANS Certification IN SUBMITTING THIS APPLICATION. WE CERTIFY THAT THE INFORMATION PROVIDED IS COMPLETE AND ACCURATE TO THE BEST OF OUR KNOWLEDGE. FALSE INFORMATION WILL RESULT IN THE REVOCATION OF ANY SCHOLARSHIP GRANTED. Applicant's Signature______Date_____ Parent Signature

Nerwa Scholarship application

The Nebraska Rural Water Association is pleased to announce it will be presenting two \$1000 scholarships for higher education purposes for the school year 2019-2020 fall and spring semesters. The scholarship is available to children and stepchildren of member public water system employees. Employees of the Nebraska Rural Water Association Board of Directors and staff are not eligible. Interested persons should complete and submit the application in this mailing. Applications are due March 1, 2019. Please type or print – <u>printing must be legible</u> and papers must be clean. Winners of the Scholarships will be announced at the Kearney Conference in March. Send all information to the NeRWA address.

Official Rules

This grant of \$1000 will be made to a student to defray the cost of tuition, books, or room and board at an accredited institution of higher learning approved by the Nebraska Rural Water Association (NeRWA). Disbursement of the money will be made upon presentation of winner's college or university invoice as proof of full-time enrollment. The scholarship money will be paid directly to the student, \$500 per semester. The scholarship will be awarded to children or stepchildren of member utility system employees. In order to be eligible for scholarship, applicants must complete the application form in its entirety by filling in all blanks. If item is not applicable please place a N/A in the blank. Upon completion return it to the NeRWA Scholarship Committee by the entry deadline, March 1, 2019. All applications will be first screened on the basis of leadership responsibilities in community and school activities as well as grade point average. Applicants will be evaluated on a comparative basis at the sole discretion of the committee. Decisions will be final. Application material and decisions of the committee shall be confidential. Acceptance of scholarship constitutes permission to use recipient's name and/or likeness for purpose of promotion.



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Shared Operators

By Mike Lucas, Wastewater Technician

Across the state it's becoming more and more difficult for small systems to hire and retain certified operators. A solution that I frequently see is shared operators between systems. These agreements range from those between the certified operator and each individual system to formal agreements between systems whereby one larger system may contract to share manpower and resources with a neighboring system or systems. I know of cases where one operator individually has agreements with two systems and others where the operator serves from 4 to 5 systems. There are larger systems that have successfully provided skilled personnel and resources to 3 or 4 neighboring communities. These arrangements may cover the full range of utility services or be specific to limited areas. Generally it can be a winning arrangement for everyone. If this seems like something that may be of benefit to you or your system contact me at 402-443-6157 or lucas@ nerwa.org and I'll provide you with some contacts.

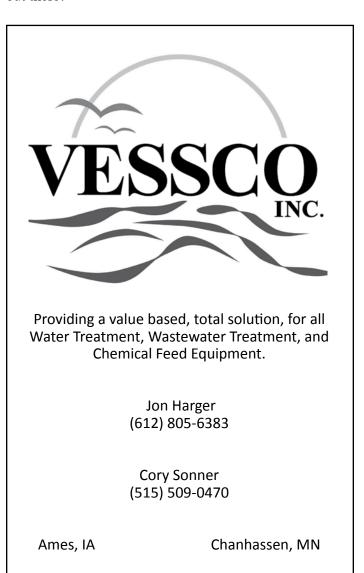
One never knows where your life's path will lead you. One of the benefits to this job with NeRWA is the

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opportunity to meet many operators as I travel across the state providing assistance in whatever way that I can. I am forever impressed with the dedication, commitment and skills that I witness in operators who truly care about their communities. I've seen operators who have spent endless hours keeping their systems operating after storms and system failures. I witnessed an operator take time to help a lost 2 or 3 year old boy in a diaper and t-shirt clutching his ziploc bag of animal crackers to find his way home in the rain.

Once again a tip of the NeRWA cap to all of you operators out there.





Assessments-Assessments: State Revolving Fund

By Ken Halvorsen, System Specialist

In the last magazine from the Nebraska Rural Water Association I attempted to explain the new role I play. At that time, I had still not met with any water systems to do either assessments or board training. Since then, I have had the opportunity to do some of both.

The initial assessment is to be completed after the system applies for a 2% loan from the State Revolving Fund to determine if the system project is worthy of the loan. The assessment contains about 122 questions covering all aspects of the water system from budgets, cross-connection protection, record keeping, purchasing procedures, safety programs, duties of the Board of Directors, and so on.

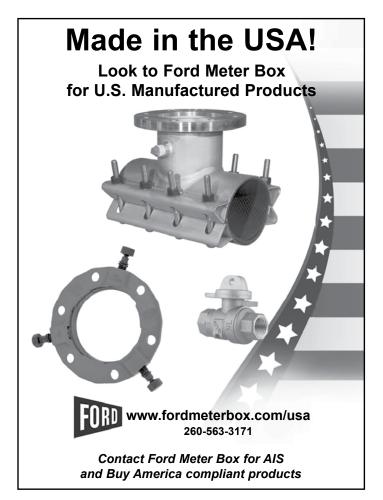
The follow-up assessment is to be done after the system has done the project. The follow up assessment is somewhat longer, around 135 questions. A time period

of one to two years is allowed to pass before doing the follow-up assessment, which looks at the project to see if it has accomplished the goals the system intended.

The systems that I have met with, so far, have all met their goals from installing meters in a previously unmetered town, repainting the inside and outside of a water tower, to installing a water main in another community which provides reliable water service. The loans met the needs of everyone.

If your system has a 2% loan from the State Revolving Fund I will be visiting you soon. We will go through a simple process that takes a little time to complete.

My other duty is Board Training. We will discuss that another day.



JOB OPENING

The Village of Utica, Nebraska is seeking a full time person to fill the appointed position of Village Clerk/Treasurer. This position is responsible for preparing and maintaining official municipal records, preparing for Board meetings, utility billings, animal licensing, payroll, budgets, correspondence, audit preparation, scheduling, grant writing, economic development, assisting the Planning and Zoning Commission and coordinating with other departments. EOE.

The applicant must be able to work well with the public. Experience with QuickBooks and Microsoft Office software is preferred. Competitive pay based on experience and certification. Job description and applications are available at the Village Office. The email address is uticanebraskal@gmail.com, and the phone number is 402.534-4237.

Page 18 NeRWA



Preventing Chlorination Mishaps

By Mike Stanzel, Circuit Rider

Looking back through my collection of articles from the past 10 years, there were several that were focused on chlorination. Here comes another one for the simple fact that when chlorination is required, there is no room for error. It needs to be done RIGHT.

I have assisted two systems the past couple months with two completely different scenarios. There was a serious potential problem at each one that luckily was avoided with assistance from NeRWA.

System #1 is a small town with a brand new maintenance man recently appointed by the Mayor who was waiting to take the grade 4 certification class. He was taking samples under the direction of the water operator from a nearby town who was serving as their temporary operator until Mr. John Doe got licensed.

Well, the first round of coliform samples came back positive for coliform, as well as, the repeats. It was suggested by the Mayor that they immediately start chlorinating, which they did. Well, being new to the water business, John Doe went and bought bleach, filled the jug, plugged in the chlorinator and then decided to call me a few hours later. Luckily I was only an hour away so I headed there to check things out.

The 5 main issues I found were:

- 1. The chlorine pump was plugged into a main outlet and running continuously.
- 2. The dosage set on the pump was incorrect.
- 3. There was no means of measuring the amount of chlorine used.
- 4. The pump tubing was bad (luckily) so no chlorine was being pumped.
- 5. There was no way of determining a chlorine residual.

These problems were all addressed and corrected with a simple 2 hour visit. In no way do I fault Mr. John Doe with this for the simple fact that he has no experience and thought he was doing the right thing. I do give him kudos for calling me to check it out.

Chlorination can be tricky even for the experienced operators mainly because they don't do it very often at all.

I have worked with operators who have been operating 20 plus years and have never set up a chlorinator.

The next system is a completely different scenario. This is a large Rural Water District that had some coliform issues and received an Administrative Order from DHHS for 30 days of mandatory chlorination. Here the operators have multiple years of experience and are very knowledgeable, but their system is compiled of wells, numerous towers, a large booster station and miles upon miles of transmission main.

We were able to assist them with the installation of 4 chlorine pumps and ensure a chlorine residual was achieved. The potential problem that this system faced was that they received some inaccurate information that inevitably could have led to an extended period of chlorination.

When an AO is given, you MUST maintain at least a .20mgl residual at the furthest point in your system. You also MUST keep track of the amount of chlorine being injected and fill out the proper forms required by the DHHS at the end of the chlorination period. And, lastly, you MUST take and record a chlorine residual a minimum of 7 DAYS PER WEEK during your entire chlorination period. Failure to do any of these may result in disciplinary action from the department.

So, please do not be afraid to call NeRWA if you are not 100% sure on setting up a chlorinator.



Board of Directors' Election

following NeRWA board The members will be running for reelection to the association Board of Directors at the annual conference in Kearney held on March 11-13, 2019.

Tom Goulette, City of West Point Jordon Bang, Lancaster County RWD 1

One position must be filled by a delegate from a utility system and the other by a rural water system.

Dennis Hoback is retiring from the board as of March 13, 2019. We are looking for someone to fill this position for one year before being eligible for re-election. This position must be filled by a delegate from a rural water district.

Requirements for the above positions:

- Must be the voting delegate or alternate delegate from system
- Must attend monthly board meetings, held in Wahoo
- Attendance at the Spring conference is required
- Attendance the conference is encouraged
- Occasional out-of-state travel is possible

If you are interested in running for any of the above positions, please submit a letter and a resume so indicating. The deadline is March 7, 2019. If you have any questions, please do not hesitate to contact our office.

Email to: salli@nerwa.org Fax: 402-443-5274

Mail: 3390 Ponderosa St.

Wahoo NE 68066

Melcome

We would like to welcome Scott Finke to the Nebraska Rural Water Association staff. He will be joining us as the new Circuit Rider. He will be assisting our other Circuit Riders, Randy Hellbusch and Mike Stanzel, with the long list of technical assistance they provide to our members. Scott came to us from the City of Deshler where he was the water and wastewater operator since 1995. Please give him a warm welcome when you see him.





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Page 20 **NERWA**

LICENSE RENEWAL YEAR

This is renewal year for all water (grades 1-4) and backflow (grade 6) licenses. You need to have a total of 10 recertification hours for each license. Now is a good time to check your hours to see how many you need before December 31.

You can get all of your water hours and half your backflow hours by just attending the annual conference in March. You can also get 12 hours for wastewater as well.

If you only need 5 hours you can attend one of the 1-day classes that are held across the state. Water classes always have 5 credit hours; backflow classes have 5 water, 5 wastewater and 5 backflow. There is a fee for backflow classes. Don't wait until the last 2 months of the year because unforseen circumstances—such as weather, health issues, appointment changes— can change your plans. The November and December Wahoo classes usually fill up before the actual month the class is held so don't wait until the last minute to register for those. The last backflow class is December 18 so plan ahead.

There is a training calender with all the classes for the year in this magazine.





As most of you already know, NeRWA has the Best Tasting Water contest at the Annual Conference each year.

Last year the City of Clay Center won and will be sending their water to the national water tasting contest that is being held at the Water Rally in Washington DC in February. It is possible for any of your systems to win the National Contest. Remember to submit your water at the conference in March.

The water contest is to be held at the Conference in Kearney. A panel of distinguished taste testers will judge all samples. The winner will be announced at the banquet on Tuesday, March 12. The winning system will compete against finalists from the other 49 states in the National Contest at the National Rural Water Association Water Rally in Washington DC.

Contest Rules:

- 1. Must be a member of Nebraska Rural Water Association
- 2. Sample must be from a Nebraska public water supply system
- 3. One entry per water system
- 4. Water must come before any point-of-use treatment
- 5. Water must come from the distribution system
- 5. Water should be in clean, unmarked gallon container
- 6. Entry form must accompany sample

Water must be received by 3:00 pm on Monday, March 11, at the conference registration table.

Water System:	
Submitted by:	

If at all possible, please call our office in advance at 800-842-8039 or 402-443-5216 or email to salli@nerwa.org to let us know you are entering. Thank you.

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Utility Worker

The City of Holdrege is currently accepting applications for a Water Department Utility Worker. Applicants must be legally authorized to work in the United States and hold a current CDL or be able to obtain one within six months of hire. Qualifications include but are not limited to: Knowledge of water service construction and familiarity with the operations of a municipal water distribution system and waste water treatment plant. Candidates for this position will be willing to work in a variety of weather conditions and have a propensity for getting along well with co-workers. The successful applicant will, with provided training, obtain a Grade 4 Water License and a Grade 1 Waste Water License in the first year of employment.

This position includes a 40 hour work week with the possibility of overtime on nights or weekends and a beginning salary of \$14.52 to \$19.81 per hour depending experience. **Benefits** include paid vacation, sick leave and holidays as well as health insurance, life insurance and a retirement plan.

Applications are available at the City Offices, 502 East Avenue in Holdrege and will be taken until the position is filled. You may request an application by phone @ 308-995-8681 or email djensen@cityofholdrege.org.

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Nebraska Good Water News

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NeRWA Staff

Contact NeRWA... ▼

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Informational Links

Water Circuit Rider I

Water Circuit Rider II

Training Specialist

Wastewater Tech.

Sourcewater Protection Specialist

Systems Specialist

Office Manager

Secretary

Board of Directors

Office Assistant



BARTLET

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Available Equipment

SERVICE. THE BARTL



National Rural Water

USDA Rural Development

NE Public Water Supply

HHS License Information

SDWIS System Data

EPA Wastewater

EPA Drinking Water

Nebraska DEQ

League of Municipalities

Nebraska Section, AWWA

AWWA Library Reference Listings

NeRWA Associate Members

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Mike Lucas	402-443-6157
Pat Petersen	402-277-6699
Mike Stanzel	402-672-9084
Barney Whatley	402-480-4297
0 - 11' 17' 1'	



Ken Halvorsen



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