

OFFICIAL BULLETIN

VOLUME 106

JANUARY 2018 - JUNE 2018

NUMBERS 1-6

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

NDWPCC

**90
Years**

SPRING ISSUE

If you set the bar at competence,

how do you reach excellence?



Editor
Jake Schafer

Business Manager
Julie Fiest

Contributing Authors
*Drinking Water Program Staff;
Operator Certification, Training and Facility Inspections Unit Staff;
and Conference Sections*

Members of the conference are indebted to those members and others who have contributed articles and other materials for this publication.

If you are interested in submitting articles or pieces for publication, please contact Jake Schafer at jrschafer@nd.gov

OFFICIAL BULLETIN

*Official Publication of the
North Dakota Water and Pollution Control Conference*

Spring Issue

Established 1935

VOL. 106

January 2018 - June 2018

NOS. 1-6

PRESIDENT - Tracy Eslinger

PRESIDENT-ELECT - Mike Berg

VICE PRESIDENT - Wei Lin

DIRECTORS - Jim Lennington, Lance Meyer, Jacqueline Melcher, Michael Quamme

ASSOCIATE DIRECTOR - Tom Scott

SECRETARY-TREASURER - Shawn Heinle

INDEX TO ADVERTISERS

The services and products of the following represented firms are deserving of your best consideration.

FIRM	PAGE
Ackerman Estvold	18, 31
AE ₂ S.....	Back Cover
Apex Engineering.....	Inside cover, 16
Bartlett & West.....	Inside back cover
Bolton & Menk	5, 15
Dakota Pump and Control.....	7, 31
Electric Pump	17, 19
Hawkins.....	29
Hobas Pipe	3, 19
Houston Engineering.....	10, 13
KLJ.....	12, 23
Moore Engineering.....	10, 14
MVTL.....	5
North Dakota Sewage Pump and Lift.....	10, 24
Pace Analytical	Inside back cover
Vector Construction.....	11, 29
Widseth, Smith, Nolting.....	8
Wold Engineering.....	8

TABLE OF CONTENTS

SUBJECT	PAGE
Eventbrite memo.....	2
NDWPCC Joint Board Meeting Minutes (Jan).....	4
New Inspection Regions.....	6
NDWPCC Joint Board Meeting Minutes (May).....	9
Call For Articles	16
Summer Operator Training	19
Upcoming Conference Dates	19
Operators Pass Certification Exams	20
Attendance Roster: 58th Annual Water and Wastewater Operator Training Sessions.....	25
Cybersecurity: Does It Matter?.....	30
Program Directories	32

CONFERENCE BUSINESS PHONE:

701-328-6622

The advertising contained in the *Official Bulletin* describes the products and services offered by companies in the water and wastewater industries. The listings are paid advertising. The publishers of the *Official Bulletin*, members of the North Dakota Water and Pollution Control Conference, and the water and wastewater organizations that support its publication are not responsible for the accuracy of the advertisements nor any claims made therein.

On the cover: Scenic Theodore Roosevelt National Park

The objectives of this Conference shall be: the advancement of the knowledge of design, construction, operation and management of water and wastewater systems; the promotion and encouragement, through annual meetings or otherwise, of an exchange of information and experience among its membership; the promotion and encouragement of the protection of public health and improved environment through the construction and efficient operation of water supply and wastewater treatment facilities; and the promotion of water and wastewater system operator education and certification programs.

*Article II of the Constitution of the
North Dakota Water and Pollution Control Conference*

To receive the *Official Bulletin* electronically or to no longer receive a paper copy, email Jake Schafer at jrschafer@nd.gov, or call 701-328-6375.

To access past issues of the *Official Bulletin* on the web, go to: <http://www.ndhealth.gov/MF/> and click on "publications."

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

Publisher of OFFICIAL BULLETIN

2639 E MAIN AVE
BISMARCK, ND 58501
701-328-6627
FAX 701-328-6206

MEMORANDUM

TO: City Officials, Water and Wastewater Operators, Rural Water System Managers,
Street Department Personnel, Consulting Engineers, Commercial Suppliers, and
Industrial Managers

FROM: Shawn Heinle, Secretary-Treasurer
North Dakota Water and Pollution Control Conference

RE: 2018 Annual NDWPCC Conference

DATE: June 28th, 2018

This year will mark the 90th North Dakota Water and Pollution Control Conference. As you new Secretary/Treasurer I am making some changes that I believe will not only help update how the conference is managed but may even help to expand it to new audiences. The changes I am making were presented at the May Joint Board meeting and approved by the members in attendance. The first change I am making will be to use an online registration for all participants. The venue we will be using is called Eventbrite. We have created several package choices. To register go to <https://www.eventbrite.com/e/2018-north-dakota-water-and-pollution-control-conference-grand-forks-registration-46164115111>, or search for 2018 North Dakota Water and Pollution Control Conference, Grand Forks ND. Then choose from the registration choices, fill out the registration form and pay with a credit card. The following are the choices with description:

Complete Registration – Registration for conference attendance, membership, and meals.

Individual Registration – Registration for conference attendance and membership, but no meals.

Banquet Guest – Guest of paid registrant. Includes banquet meal.

Vendor – Includes table, registration for one company representative, and Wednesday noon luncheon ticket.

Helper – Registrant assisting a registered vendor. No meals included.

Poker Dealer – Vendors who wish to be poker dealers for the poker fundraiser will be put on a list to let registrants know which booths to visit to draw a poker card.

Sponsorship – Any sponsor willing to donate towards door prizes, social hour, hospitality night, and golf tournament awards. Levels range from \$0-99, \$100-249, and \$250 plus.

The second change will be to use another online company to create badges and packages. We are looking into using Boomset to help with this change.

If you have any questions, call or email me at 701.328.6627, or swheinle@nd.gov.

Thanks,

Shawn

SH: jf
Enc.

Quality is Our Priority

Proven by Our History of Success

The HOBAS standard is based on supplying products which far exceed the minimum national standards. HOBAS Pipe USA's experienced staff will assist you from project inception through completion. To achieve success on your next project, specify HOBAS performance.



HOBAS PIPE USA
281-821-2200
www.hobaspipe.com

NDWPCC JOINT BOARD MEETING MINUTES

January 23, 2018

Bismarck, ND

A meeting of the Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC); North Dakota Water Environment Association (NDWEA); North Dakota Chapter of the American Public Works Association (NDCAPWA); North Dakota Section of the American Water Works Association (NDAWWA); and the North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA-ND) was held on January 23, 2018, in the Cannonball Room of the Ramkota Hotel, Bismarck, ND. The following board members and guests were present: Mike Berg, David Bruschwein, Tracy Eslinger, Sarah Waldron Feld, Bill Gefroh, Erik Gilbertson, Rick Gillund, Fred Goetz, Dallas Grossman, Jasper Klein, Troy Hall, Marty Haroldson, Dale Heglund, Shawn Heinle, Jeff Hruby, Barry Johnson, Christine Johnson, Jim Lennington, Wei Lin, Jennifer Malloy, Lance Meyer, Tim Paustian, Mike Quamme, Karl Rockeman, Jake Schafer, Gabe Schell, Dustin Scott, Tom Scott, Luci Snowden, Matt Sperry, Greg Stack, Gregg Stewart, William Sukalski, Jess Wagner, Greg Wavra, Adam Zach, and Gary Zuroff.

The meeting was called to order at 10:34 a.m. by NDWPCC President Tracy Eslinger. Copies of the meeting agenda and 2017 NDWPCC financial report were provided to those in attendance.

The first order of business President Eslinger called for a motion to dispense with the reading of the minutes from the October 17, 2017, joint board meeting in Fargo, and approve the minutes mailed to all board members. Rick Gillund so moved, Matt Sperry seconded, and the motion carried.

Next, President Eslinger called for the Treasurer's Report. Shawn Heinle read the 2016 NDWPCC financial report, which showed a net profit of \$7,224.96 and total assets of \$153,067.16. President Eslinger asked for any discussion. Hearing none, President Eslinger called for a motion to approve the Treasurer's Report. Bill Gefroh so moved, Luci Snowden seconded, and the motion carried.

Next, President Eslinger called for a report from the Auditing Committee. Jess Wagner stated that the 2017 NDWPCC Financial Report and records were reviewed prior to the joint board meeting and that NDWPCC finances were in good order. Mr. Heinle

stated that Brady Martz was brought in to correct errors in QuickBooks. The errors resulted from turnover of personnel responsible for QuickBooks, but not fully understanding how to use QuickBooks. QuickBooks now matches the bank statements and the conference checkbook. Luci Snowden inquired if there a set of written guidelines, or instructions for new personnel to follow, Mr. Heinle stated there are not.

Continuing with old business, President Eslinger asked for a report on the 2017 Conference. Mr. Heinle reported that 398 people preregistered and 445 attended. There were 65 vendors who reserved 77 booths; 20 sponsors donated \$7,225 for the golf tournament, social hour, entertainment, and coffee breaks. Meals served were as follows: Tuesday lunch 182, Tuesday buffet 150, Wednesday breakfast 269, Wednesday lunch 268, Wednesday banquet 261, and Thursday lunch 181.

President Eslinger asked for any other old business. Hearing none. President Eslinger called for new business.

Secretary Heinle requested that the joint boards provide topics and presenters for the 2018 Conference by the next joint board meeting in May 22, 2018.

Next, President Eslinger asked for volunteers to be on the local arrange committee for the upcoming conference. Volunteers included Adam Zach, Fred Goetz, Joe Ferguson, and Bill Sukalski. Mr. Heinle said he would set up a date in early May to meet with the local arrangement committee and start the planning for the conference.

Next, President Eslinger called for a report on the 2018 Water and Wastewater Operator Training Program. Mr. Heinle indicated that 1,169 announcements had been mailed and he listed the dates for the upcoming sessions.

President Eslinger called for any other new business. Secretary Heinle posed the question as to how long conference records should be retained. There was a lengthy discussion on various possibilities. It was suggested that record retention should be in line with federal guidelines. Mr. Heinle indicated he would look into these guidelines.

President Eslinger then asked if there were ways the conference could be improved. This generated a lot of discussion, including discussion regarding the entertainment noted that attendance was lower than expected and that consideration for similar events should include moving the times back or moving the entertainment to after the banquet on Wednesday night. There was also discussion on ways to better improve the drawing for prizes.

Also, David Bruschwein proposed creating a group to look at how the conference is run, and if there are ways to improve on the current system. The group will be comprised of the following members: David Bruschwein, Dallas Grossman, Rick Gillund, and Tim Paustian.

President Eslinger proposed alternating location of the conference so it is in the east one year and the west the next year. Gary Zuroff suggested that the possible of conventions in Dickinson or Williston.

Lastly, being no other new business, President Eslinger called for a motion to Adjourn, Jake Schafer so moved.

The meeting adjourned at 11:27 a.m. NDWPCC can be thanked for the refreshments and noon luncheon.

Respectfully submitted,

Shawn Heinle
Secretary/Treasurer

We'd like to clarify something.



BOLTON & MENK
Real People. Real Solutions.
Bolton-Menk.com

ENVIRONMENTAL



Timely environmental analyses generating quality data.

- ◆ Biosolids
- ◆ Discharge Compliance
- ◆ Flow Monitoring
- ◆ On-site Sampling
- ◆ Priority Pollutants

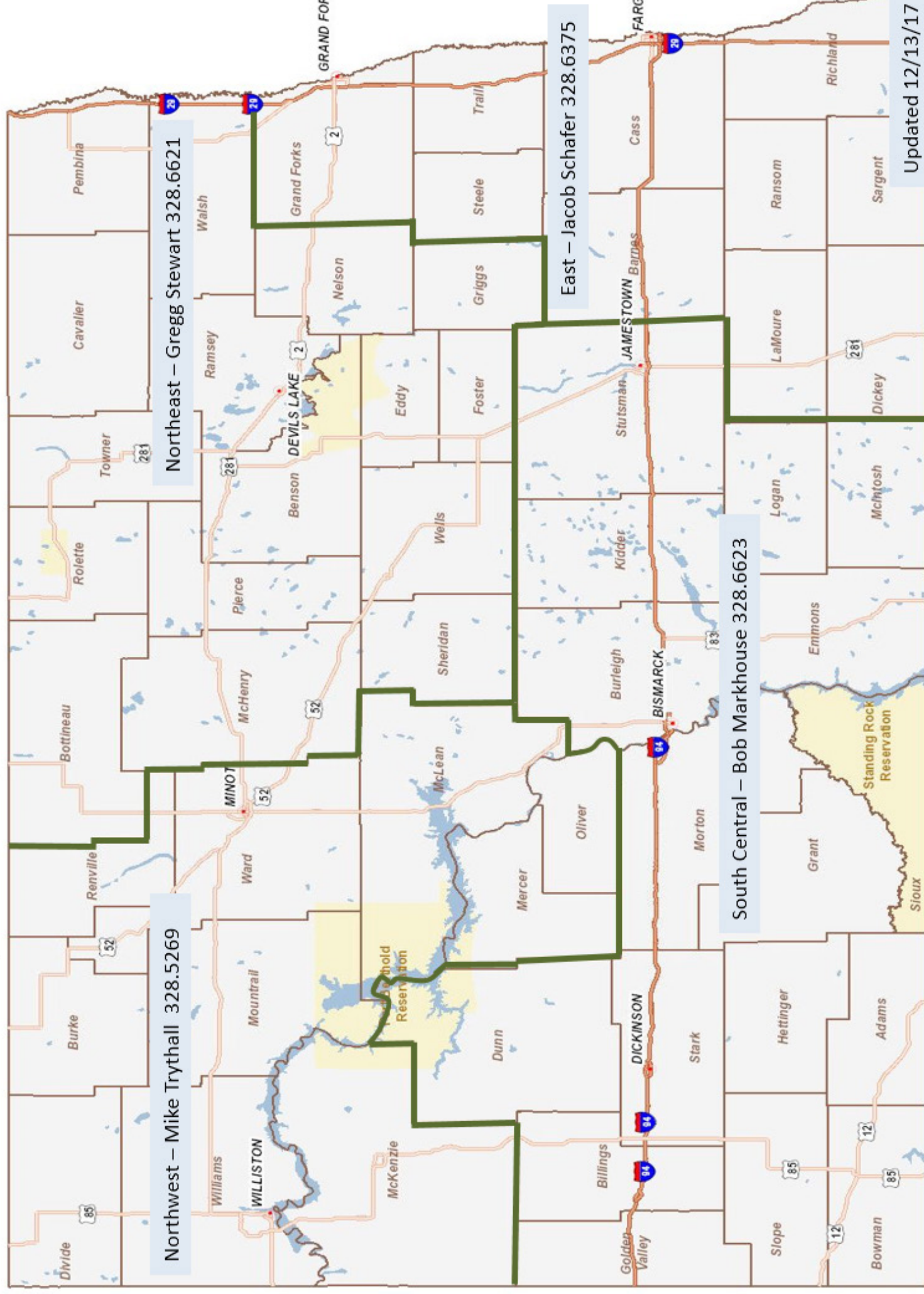


MVTL – Scientifically sound testing services delivered with care and confidence.

Minnesota Valley Testing Laboratories, Inc.
Bismarck, ND | New Ulm, MN | Nevada, IA
800-279-6885 | www.mvttl.com

Municipal Facilities Inspection Regions

Water Treatment, Water Distribution, Wastewater Collection & Wastewater Treatment





FOGRod

Finally, a float alternative!

Contact DPC to learn more about using FOGRod to monitor lift station levels

Benefits:

- 10% of the maintenance of floats
- 10 year warranty
- 10x easier than ultrasonics
- No wiring changes

Serving the Dakotas since 1965
24/7/365 Service

Phone: 605.886.4672
Toll-Free: 800.310.4672

DPC

DAKOTA PUMP & CONTROL

705 Quadee Drive SW
Watertown, SD 57201

dave@dpc.us.com
DakotaPumpAndControl.com



Control Systems Engineered for you

Contact DPC Automation Solutions to learn how to benefit from our expertise!

- UL 508A, UL698A Listed Industrial Control Panels
- Design and implement cost-effective solutions tailored to your needs
- Utilize modern technology to maximize cost efficiency
- Broad range of solutions: Standard Pump Control to Remote Monitoring Systems

Municipal Services

Wastewater Systems

Water Systems

Streets and Storm Sewers

Wetland Delineation/Mitigation

Solid Waste/Landfills

Site Grading and Drainage Plans

Flood Control

Groundwater Studies

Airport Improvements



Interconnect Wastewater Project | East Grand Forks/Grand Forks



WidsethSmithNolting.com

Engineering | Architecture | Surveying | Environmental

701.795.1975 | 2850 24th Avenue South, Suite 201 | Grand Forks, North Dakota



Consulting Engineers & Land Surveyors

Bottineau (701) 228-2292

Bismarck (701) 258-9227

Minot (701) 852-0338

Email: wold@woldengr.com

NDWPCC JOINT BOARD MEETING MINUTES

*May 22, 2018
Bismarck, ND*

A meeting of the Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC); North Dakota Water Environment Association (NDWEA); North Dakota Chapter of the American Public Works Association (NDCAPWA); North Dakota Section of the American Water Works Association (NDAWWA); and the North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA-ND) was held on May 22, 2018, in the Cannonball Room of the Ramkota Hotel, Bismarck, ND. The following board members and guests were present: Chuck Abel, Mike Berg, David Bruschwein, Tracy Eslinger, Sarah Waldron Feld, Joe Ferguson, Bill Gefroh, Erik Gilbertson, Rick Gillund, Fred Goetz, Harvey Gullicks, Jasper Klein, Terry Halstengard, Marty Haroldson, Shawn Heinle, Jeff Hruby, Barry Johnson, Christine Johnson, Jennifer Malloy, Lance Meyer, Tim Paustian, Michael Quamme, Karl Rockeman, Jake Schafer, Gabe Schell, Dustin Scott, Todd Seibel, Luci Snowden, Matt Sperry, William Sukalski, Greg Wavra, and Adam Zach.

The meeting was called to order at 10:35 a.m. by NDWPCC President Tracy Eslinger. Copies of the meeting agenda and 2018 NDWPCC financial report were provided to those in attendance.

The first order of business President Eslinger called for a motion to dispense with the reading of the minutes from the January 23rd, 2018, joint board meeting in Bismarck, and approve the minutes mailed to all board members. Rick Gillund so moved, Matt Sperry seconded, and the motion carried.

Next, President Eslinger called for the Treasurer's Report. Shawn Heinle read the 2018 NDWPCC financial report, which showed a net profit of \$10,828.27 and total assets of \$163,415.06. President Eslinger asked for any discussion. Hearing none, President Eslinger called for a motion to approve the Treasurer's Report. Erik Gilbertson so moved, Chuck Abel seconded, and the motion carried. Barry Johnson inquired how much money is needed in the checking account. After lengthy discussion it was decided that a subcommittee with members Mike Berg, Gabe Schell, and Adam Zach will explore how much money should be retained in the checking account and report findings at the fall conference.

President Eslinger called for old business. First, Secretary Heinle presented the numbers of attendees and exams at spring training. There were 310 attendees and 222 exams taken. The passage rate for exams was 68%. Fred Goetz requested a copy of the numbers. Next, Adam Zach spoke on behalf of the local arrangement committee. Mr. Zach said that King's Walk has been reserved for the golf tournament. The committee is also looking to have two tours, one to the Ralph Engelsted Arena and one the new water treatment plant in Grand Forks. Mr. Zach then asked the group opinions on which times during the conference would work better for the tours, the committee is looking at Monday afternoon and Tuesday morning. The committee is looking to have simple entertainment at banquet, example piano playing in the background, and have more entertainment after the banquet at Players. Also, there was discussion of ways to move the awards presentation along. Michael Quamme suggested putting a time limit on each groups awards presentation. The committee will explore this option. Last, Secretary Heinle reminded member groups to provide presenter and topics by end of June.

President Eslinger asked for any other old business. Hearing none. President Eslinger called for new business.

Secretary Heinle reminded the members of the two open vacancies on the board. One director and one assistant director position. There was discussion on descriptions and time periods for all board positions. Secretary Heinle said he would email these to members. Nominations will occur at the fall conference.

Next, Secretary Heinle asked the members what should be done with old conference equipment stored at the Environmental Training Center. It was decided to advertise the equipment on Bismarconline for 2 months and if there is no interest, take to the Bismarck landfill.

Secretary Heinle then presented to the members proposals for online registrations and registration packages. He suggested the use of Eventbrite to handle online registrations, and Boomset to handle registration packages. Secretary Heinle indicated prices and how it would improve the conference. The members approved using the online options and absorbing the cost the first year. Secretary Heinle will report on how this online option worked at the January board meeting.

Secretary Heinle suggested the use of a logo to use with the online registration and asked if the conference even had one. He was told there was one for the 75th Anniversary. Secretary Heinle said he would explore logo options. Also, Secretary Heinle asked if about using a postcard with save the date, instead of the usual mailing to let members know about the conference dates and online registration. The members agreed to the change and suggested an announcement in the next Official Bulletin.

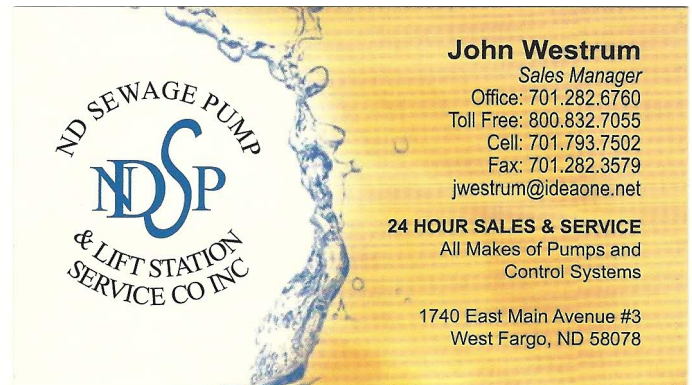
Last, Secretary Heinle said announcements for vendors and sponsors will be sent out in early June.

President Eslinger called for any other new business. Seeing none, President Eslinger called for a motion to adjourn. Lucy Snowden moved, and Matt Sperry seconded.

The meeting adjourned at 11:27 a.m. NDWEA can be thanked for the refreshments and noon luncheon.

Respectfully submitted,

Shawn Heinle
Secretary/Treasurer



Concrete Repair & Restoration

- Conventional Concrete Repairs
- Structural Concrete Repairs
- Masonry Repairs
- Acid Resistant Concrete Placement
- Epoxy Injection
- Chemical Grouting
- Cementitious Pressure Grouting
- Epoxy Grouting

Protective Systems

- Industrial Floor Coating
- Protective Coatings and Linings
- Traffic Bearing Membranes
- Waterproofing
- Concrete Polymer Overlays
- Potassium Silicate Concrete
- Expansion Joints
- Acid Brick and Tile Repair

Corrosion Services

- Investigation & Testing
- Activated Arc Spray Zinc
- Condition Surveys
- Galvanic Jackets & Overlays
- Materials Selection
- Cathodic Protection Design
- Structural Health Monitoring
- Cathodic Protection System Testing



We Save Structures™

VECTOR CONSTRUCTION INC.

2504 Main Avenue West
West Fargo, ND 58078 USA
(701) 280-9697
www.vector-construction.com





Evolved.

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

KLJENG.COM



ENGINEERING, REIMAGINED



InfraWorks Visualizations

Drone Technology

Minot's Water Treatment Plant
Flood Protection

Engineering Innovative Solutions for 50 Years and Counting

At Houston Engineering, Inc. (HEI) we embrace the future of technology by pairing the latest advancements with traditional engineering to provide sophisticated and streamlined services.

When you want the latest and greatest solutions, you need HEI.

houstoneng.com





APWA
Project of the
Year



Civic pride, built to last

Clean, safe drinking water is vital for a thriving community. Finley's new water tower is a source of community pride, and signals that the community is ready for a vibrant future.



Contact us today to talk about
what's next for your community.

701.282.4692 • mooreengineeringinc.com
ND - Bismarck • Minot • West Fargo



moore
engineering, inc.

OFFICIAL BULLETIN, January-June 2018
Since 1960

We look at projects from a different perspective – yours.



At Bolton & Menk, a thriving environment is not an after thought. We have a team of experts devoted to studying, preserving and maintaining it. Contact us today.



**BOLTON
& MENK**

Real People. Real Solutions.

Bolton-Menk.com

Call For Articles

*Jake Schafer
Bismarck, ND*

Are you an industry professional with some insights to share? Are you a vendor who would like to reach a targeted audience with your products? Are you a small-town water operator who would like to address an issue you believe to be important? If so, please reach out! Have your article or advertisement placed in the NDWPCC Official Bulletin. Three times a year we are able to reach nearly 1000 subscribers (including several Universities). As the editor, I aim to make the Official Bulletin as good as it can be. However, I need your help to do so. I would love to include what you have to offer.

Articles must be:

- 1 to 20 pages
- MS Word or PDF format
- Submitted via email

Advertisements must be:

- PDF format
- High resolution images
- Submitted via email
- * Cannot accept 3rd party file transfer services*
- * If color, must be in color. If B&W, must be black and white*
- * Invoice/Ad order form must be turned-in along with ad*

Submission due dates:

- June 15th (spring)
- September 15th (conference)
- December 15th (winter)

Thank you all for your continued support of the North Dakota Water and Pollution Control Conference, and the NDWPCC Official Bulletin. For submissions of both advertisements and articles, please contact at me at Jrschafer@nd.gov. I look forward to working with you!

Jake Schafer

Editor - NDWPCC Official Bulletin



Fresh thinking. Practical solutions.

www.ApexEngGroup.com | info@ApexEngGroup.com



ELECTRIC PUMP

*You can count on us for all
your fluid handling solutions!*



952-758-6600 / 800-211-6432

www.electricpump.com

Tom's To-Do List

SAVE CLIENT \$10M



Our Senior Water Resource Engineer, Tom, loves a challenge. That's why when designing a solution for stormwater retention/detention, Tom got creative. By creating an eco-friendly solution over a traditional pump station, this portion of flood control provided an innovative approach and saved the Souris River Joint Board millions of dollars in the process.

Turning passion into progress, that's what Tom is most proud of. And we are, too.



To learn more about the Centennial Pond/Perkett Ditch project, visit our website at www.ackerman-estvold.com/projects



Summer Operator Testing Scheduled

The summer operator certification exam session will be held on August 28th, 2018 at the Environmental Training Center located at 2639 East Main Avenue in Bismarck. Examination times will be from 8:00 a.m. to 4:00 p.m. **To ensure adequate time for exams, testing must begin by 11:00 a.m.** Please indicate time of arrival on exam application form. If you don't have a copy of the application, you can print one by visiting: http://www.ndhealth.gov/mf/forms/Operator_Certification_Application.pdf.

Renewal and exam fees must be paid prior to testing.

Applications must be received by July 31st, 2018.

Please contact Craig Bartholomay, North Dakota Department of Health, at 701-328-6626 with any questions regarding operator certification and/or exams.

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE



Upcoming Conference Dates:

2018 - Grand Forks, October 16, 17 and 18 Alerus Center

2019 - Bismarck, October 8, 9 and 10 Ramkota Hotel

Jeff Janiksela



4303 Bass Lake Road NE
Bemidji, MN 55601
952-758-6600
Fax: 952-758-7778
1-800-211-6432
Cell Phone: 612-867-6219
jeffj@electricpump.com
www.electricpump.com

Jim Mahony

Area Sales Manager



7613 Ashley Circle
Johnston, IA 50131
Office : (515) 334-0888
Fax: (515) 334-7125
Cell: (515) 306-6000
Email: jmahony@hobaspipe.com

HOBAS PIPE USA, Inc.

1413 E. Richey Road
Houston, Texas 77073-3508
Office: (281) 821-2200
(800) 856-7473
Fax: (281) 821-7715

Operators Pass Certification Examinations (March-April 2018)

Congratulations to the Operators

<u>Operator</u>	<u>Employer</u>	<u>Certification Type/Grade</u>
Anderson, Jack	Burlington City of	Water Distribution 01
Arends, Paul	Devils Lake City of	Water Treatment 03
Aumiller, Steven	Grand Forks City of	Wastewater Collection 04
Bartholomew, Zachary	Grand Forks City of	Water Treatment 04
Baytosh, Chris	Dakota Gasification Co	Water Distribution 01
Benge, Dylan	Bowbells City of	Wastewater Collection 1A, Water Distribution 1A
Berg, Don	Rolette City of	Water Treatment 1A
Berg, Jason	Walhalla City of	Water Distribution 1A
Bergeron, Beau	Williston City of	Wastewater Collection 1A, Water Distribution 1A
Blessum, Chad	Tri-County Water District	Water Treatment 01
Blum, Brandon	Southwest Water Authority	Water Distribution 02
Bonin, James	Grand Forks Air Force Base	Water Distribution 02
Brotherton, Kris	McKenzie County WRD - System 1 & 4	Water Distribution 1A
Brouillet, Brad	Grand Forks City of	Wastewater Collection 03
Bruinekool, Mark	Williston City of	Wastewater Collection 02, Water Distribution 01
Carpenter, Brady	North Prairie RWD-System 1&2	Water Distribution 1A, Water Treatment 1A
Carstens, Logan	Grand Forks Air Force Base	Water Distribution 02
Christianson, Brock		Wastewater Collection 01, Water Treatment 01
Clarys, Curtis	Williston City of	Wastewater Collection 02
Collier, Nicholas	Grand Forks Air Force Base	Wastewater Collection 02, Water Distribution 02
Corey, Kevin	Dakota Rural Water District South	Water Treatment 02
Costello, Craig	West Fargo City of	Water Distribution 01
Cron, Barb	Flaxton City of	Water Distribution 1A, Water Treatment 1A
Cucci, Kevin	Grand Forks Air Force Base	Wastewater Collection 02, Water Distribution 02
Degeldere, Dylan	Grafton City of	Wastewater Collection 1A, Wastewater Treatment 01
Degenstein, Steven	Minot Air Force Base	Wastewater Collection 02
Denning, Zach	Bismarck City of	Wastewater Collection 01, Water Distribution 01
Dockter, Todd	Ashley City of	Wastewater Collection 01
Dukart, Jessica	Southwest Water Authority	Water Treatment 01
Eng, Ryan	Grafton City of	Water Treatment 01
Everson, Kelly	Valley City City of	Wastewater Collection 02
Faller, Jason	Watford City City of	Wastewater Treatment 01

<u>Operator</u>	<u>Employer</u>	<u>Certification Type/Grade</u>
Farrell, James	Southwest Water Authority	Water Distribution 02
Fischer, Glen	Edgeley City of	Water Distribution 1A
Fritz, Samuel	Southwest Water Authority	Water Distribution 02
Gage, Christian	Mayville City of	Wastewater Collection 1A, Wastewater Treatment 1A, Water Distribution 1A, Water Treatment 1A
Geiger, Bill	Bismarck City of	Wastewater Collection 02
Glasoe, Monte	Noonan City of	Water Distribution 1A
Gohl, Russ	Minot Air Force Base	Wastewater Collection 02, Water Distribution 02
Goodsky, Francis	Williston City of	Water Treatment 01
Gorres, Jim	Northwood City of	Wastewater Collection 1A, Water Distribution 1A
Gunville, Shannon	Belcourt Rural Water	Water Distribution 01
Gylden, Steve	Hatton City of	Wastewater Collection 1A, Water Distribution 1A
Hadley, Dustan	Missouri West Water System	Water Distribution 01
Hanson, Brady	West Fargo City of	Wastewater Collection 02, Water Distribution 02
Hanson, Jared	Neché City of	Water Distribution 1A
Hare, Anthony	West Fargo City of	Wastewater Collection 01, Water Distribution 01
Harr, Brent	Stutsman Rural Water District	Water Distribution 02
Harr, Shane	Jamestown City of	Water Distribution 01
Hart, Scott	Western Area Water Supply Authority	Water Distribution 01
Heinert, Cody	Bismarck City of	Wastewater Collection 02, Water Distribution 02
Helfrich, Tyler	Milton R Young Station Well - MPC	Water Distribution 1A, Water Treatment 1A
Heredia-Nieves, Yoel	Dickinson City of	Wastewater Collection 01
Hottman, David	Southwest Water Authority	Water Distribution 01
Irish, Matthew	Steele City of	Water Distribution 02, Water Treatment 02
Irvine, Wiley	Mandan City of	Wastewater Collection 02, Water Distribution 02
Iwen, Chris	Enderlin City of	Wastewater Collection 01
Johnson, Dale	Misty Waters LLC	Wastewater Treatment 02
Johnson, Jeremy	R & T Water System	Water Distribution 1A, Water Treatment 1A
Kalenze, Linus	Minot Air Force Base	Water Distribution 01
Kallberg, Russell	Minot Air Force Base	Wastewater Collection 02, Water Distribution 02
Kastner, Chad	Surrey City of	Wastewater Collection 01, Water Distribution 01
Kendall, Tanyor	Minot Air Force Base	Wastewater Collection 02, Water Distribution 02

<u>Operator</u>	<u>Employer</u>	<u>Certification Type/Grade</u>
Kersting, Mitchell	Williston City of	Water Treatment 04
Knight, Ben	Westhope City of	Water Distribution 01
Kummer, Cody	Watford City City of	Water Distribution 01
Larson, Dustin	Larimore City of	Water Distribution 1A
Latham, Stephen	Minot City of	Water Distribution 01
Leines, Lee	Grandin City of	Water Distribution 1A
Lick, Wade	West Fargo City of	Wastewater Collection 02, Water Distribution 02
Lutz, Jeffrey	Grand Forks City of	Water Distribution 02
Magstadt, Lee	Dickinson City of	Wastewater Treatment 01
Maly, Sadie	Minot City of	Water Distribution 01
Martinson, Steve	Greater Ramsey Water District	Water Distribution 03
Matzke, Brian	West Fargo City of	Wastewater Collection 03
McFarlane, James	Bismarck City of	Water Distribution 04
McNelis, Nicholas	Grand Forks City of	Water Treatment 03
Melby, Kael	Mandan City of	Wastewater Collection 02, Water Distribution 02
Messer, Cary	Southwest Water Authority	Water Distribution 01
Mikkelson, Amber	Minot Air Force Base	Wastewater Collection 02, Water Distribution 01
Newland, Bobby	Grand Forks City of	Wastewater Collection 04
Newman, Aaron	Minot Air Force Base	Wastewater Collection 1A, Water Distribution 1A
Nustad, Tim	Fargo City of (WWT)	Wastewater Treatment 01
Oberg, Ann	McLean-Sheridan Water District	System 2 Water Distribution 02, Water Treatment 02
Oldenburg, Cal		Water Distribution 02, Water Treatment 03
Ott, Lucas	Cass Rural Water District	Fargo Water Distribution 03
Otto, Scott	West Fargo City of	Wastewater Collection 02, Water Distribution 02
Peterson, John	Minot Air Force Base	Wastewater Collection 02
Piatz, Lee	Napoleon City of	Wastewater Collection 01
Pranke, Dane	West Fargo City of	Wastewater Collection 03, Water Distribution 03
Protector, Jonathan	Stutsman Rural Water District	Water Distribution 1A, Water Treatment 1A
Rosencrans, Paul		Water Distribution 1A
Sanderson, Lloyd	Edmore City of	Water Distribution 1A
Schlieve, Flint	Greater Ramsey Water District	Water Distribution 01
Schlosser, Hunter	Missouri West Water System	Water Distribution 1A
Schmidt, Dean E.	Mandan City of	Wastewater Collection 03, Water Distribution 03
Schmidtgal, Shane	Ray City of	Wastewater Collection 1A
Schumacher, Jaydn	South Central Regional Water District	Water Treatment 1A
Scofield, Tanner	Coal Creek Station	Water Distribution 01, Water Treatment 02

<u>Operator</u>	<u>Employer</u>	<u>Certification Type/Grade</u>
Seifert, Justin	Minot City of	Water Treatment 02
Slater, Jamie	Western Area Water Supply Authority	Water Distribution 1A
Sloboden, Tim	Minot City of	Wastewater Treatment 03
Smedshammer, Tanner	West Fargo City of	Water Distribution 03
Snook, Mike	Watford City City of	Water Treatment 01
Sokolofsky, Andrew	Southwest Water Authority	Water Treatment 03
Staebler, Matthew	West Fargo City of	Wastewater Collection 03, Water Distribution 03
Stieg, Brad	Dickinson City of	Water Distribution 04
Suda, Daniel	Grafton City of	Wastewater Collection 01
Swartz, Jeremy	Minot Air Force Base	Wastewater Collection 01
Taggart, James	Arnegard City of	Wastewater Collection 1A
Thompson, Sherri	Minnewaukan City of	Water Distribution 1A
Torgerson, Dustin	Minot Air Force Base	Wastewater Collection 02, Water Distribution 02
Tupa, Brandon	Grand Forks City of	Wastewater Collection 02
Tweedale, Justin	Coal Creek Station	Water Distribution 01, Water Treatment 02
Ulland, Jason		Water Treatment 02
Villanueva, Fitz	McKenzie County WRD - System 1 & 4	Water Distribution 01
Voorheis, Paul	R & T Water System	Water Treatment 02
Walker, Sean	Alexander City of	Wastewater Collection 02
Wasylow, Justin	Grand Forks City of	Water Treatment 03
Weibel, Sean	Wahpeton City of	Water Distribution 1A, Water Treatment 1A
Wenger, Matthew	Milton R Young Station Well - MPC	Wastewater Treatment 1A, Water Distribution 1A
Whittington, Jerry	Southwest Water Authority	Water Distribution 02
Wieland, Paul	Bismarck City of	Wastewater Collection 03, Water Distribution 03
Williams, Ira	Bismarck City of	Water Treatment 03
Witt, Mike	Grand Forks City of	Water Distribution 03
Woessner, Kelly		Wastewater Collection 01
Woovis, Riley	South Central RWD-Emmons	Water Distribution 1A
Zastoupil, Duane	Dickinson City of	Wastewater Collection 04



**WE SPECIALIZE
IN ANNUAL
SERVICE
CONTRACTS**

**SERVICE AND
MAINTENANCE OF
ALL MAKES OF LIFT
STATIONS**

ND SEWAGE PUMP
NDSP
& LIFT STATION
SERVICE CO INC

**24 HOUR
REPAIR
SERVICE**



abs

WE SELL

- ABS Pumps & Mixers
- Goulds Pumps
- Dewatering Pumps
- Used Pumps & Parts
- Anchor Float Switches
- Aluminum Hatches
- SJE Rhombus Controls
- Relays, Switches & Alternators
- Stainless Steel Chain
- Stainless Steel Pipe & Fittings
- Winches & Hoists

North Dakota Sewage Pump & Lift Station Service Company
1734 Main Avenue East • West Fargo, ND 58078
701-282-6760 • 800-832-7055 • Fax 701-282-3579

Attendance Roster: 58th Annual Water and Wastewater

Operator Training Sessions

Environmental Training Center, Bismarck-Training Credits Issued

<u>Operator</u>	<u>Employer</u>	<u>Operator</u>	<u>Employer</u>
ACKERSON, GARY	GRAND FORKS AIR FORCE BASE	KRAFT, CURT	GARRISON CITY OF
ARP, LONNIE	GRAND FORKS AIR FORCE BASE	KRUEGER, CORY	JR SIMPLOT
AUMILLER, STEVEN	GRAND FORKS CITY OF	KUB, TONY	WAHPETON CITY OF
BEEHLER, DENNIS	BISMARCK CITY OF	LABELLE, GREG	HOME ON THE RANGE
BERGERON, BEAU	WILLISTON CITY OF	LACHENMEIER, RICHARD	BISMARCK CITY OF
BRUNEN, ANDY	NEW SALEM CITY OF	LEINES, LEE	GRANDIN CITY OF
BUELOW, GARY	MOHALL CITY OF	LEMER, GREG K.	R & T WATER SYSTEM
BURNS, CORY	GRAFTON CITY OF	LITTLE SOLDIER, PHILLIP	PARSHALL CITY OF
BURRIS, JOSHUA JOE	DICKINSON CITY OF	LOUW, JACOBUS	DEVILS LAKE CITY OF
CHRISTIANSON, BROCK	PARSHALL CITY OF	MAGSTADT, LEE	DICKINSON CITY OF
CLARYS, CURTIS	WILLISTON CITY OF	MARSOLEK, JAMES R	JAMESTOWN CITY OF
COLLIER, NICHOLAS	GRAND FORKS AFB	MCGARRY, DENNIS W	GRAND FORKS AIR FORCE BASE
CUCCI, KEVIN	GRAND FORKS AFB	MELBY, KAELE	MANDAN CITY OF
DAGENAIS, JOSH	WILLISTON CITY OF	METZEN, BARRY	JR SIMPLOT
DANA, TYLER	MINOT AIR FORCE BASE	MILLER, MARK	FARGO CITY OF
DAY, BRIAN	MIDWEST ASSISTANCE PROGRAM	MUNYER, TROY	RUGBY CITY OF
DEGELDERE, DYLAN	GRAFTON CITY OF	NEWMAN, AARON	BASE UTILITIES INC.
DEGENSTEIN, STEVEN	UNDERGROUND CONSTRUCTION	NEWMAN, JASON	VALLEY CITY PUBLIC WORKS
DENNING, ZACH	BISMARCK CITY OF	NIEUWSMA, KYLE	BISMARCK CITY OF
DESAUTEL, ROCK	GRAFTON CITY OF	NUSTAD, TIM	FARGO CITY OF (WWT)
DILLON, TONY	SCRANTON CITY OF	OLSON, RICHARD	JAMESTOWN CITY OF
DOCKTER, TODD	ASHLEY CITY OF	OLSON, RONALD D	JAMESTOWN CITY OF
EDLAND, JEFF	GLENFIELD CITY OF	OVERMOE, DAN	MAYVILLE CITY OF
ELLIOTT, CODY	AMERICAN CRYSTAL SUGAR HILLS	PENNER, LEVI	WALHALLA CITY OF
ERICKSON, DAN	DICKINSON CITY OF	PETERSON, JOHN	BASE UTILITIES INC.
ESTENSON, CORY	DEVILS LAKE CITY OF	PIATZ, LEE	NAPOLEON CITY OF
EVERSON, KELLY	VALLEY CITY CITY OF	POLLARD, ZACHARY	MINOT AIR FORCE BASE
GAGE, CHRISTIAN	MAYVILLE CITY OF	REIDBURN, DANA	JAMESTOWN CITY OF (WWT)
GEIGER, BILL	BISMARCK CITY OF	RIES, STEVEN	SOUTHWEST WATER AUTHORITY
GORRES, JIM	NORTHWOOD CITY OF	ROBINSON, DEREK	MINOT CITY OF
GULLICKSON, DARYN	MANDAN CITY OF	RODMAN, JUSTON	MINOT CITY OF
HANSON, CHARLES D.	JR SIMPLOT	ROLLER, LEE ROY	BELFIELD CITY OF
HARRIS, BROCK	GARRISON CITY OF	ROSS, ZANE	BELCOURT RURAL WATER
HEINERT, CODY	BISMARCK CITY OF	ROTHMANN, BRYAN L	WASHBURN CITY OF
HEREDIA-NIEVES, YOEL	DICKINSON CITY OF	SCHMIDT, DEAN E.	MANDAN CITY OF
HUTSLAR, TERRY	CITY OF WILTON	SCHMITZ, JEFF	EMERADO CITY OF
IRVINE, WILEY	MANDAN CITY OF	SCHULTZ, BRIAN	MINOT AIR FORCE BASE
KASTROW, KENNETH	HEBRON CITY OF	SCOTT, TONY	WILLISTON CITY OF
KILGORE, FRANK	GRAND FORKS CITY OF	SHERWOOD, DYLAN	FARGO CITY OF
KLEMISCH, CLINT	VALLEY CITY CITY OF	SUDA, DANIEL	GRAFTON CITY OF
		SWARTZ, JEREMY	BASE UTILITIES INC

Operator

TAGGART, JAMES
 THOMAS, ADAM
 TORGERSON, DUSTIN
 TRAUTMAN, RANDY
 TUPA, BRANDON
 VETTER, MIKE
 WALKER, SEAN
 WENGER, MATTHEW

WENINGER, ROBERT
 WIEGAND, KARL
 WIELAND, PAUL
 WINSON, KEITH
 WOESSNER, KELLY
 WRIGHT, JEREMY
 YOKOM, NICK
 ZASTOUPIL, DUANE
 ZENTNER, TAYLOR
 ALBRECHT JR, KENNETH A
 ANDERSON, JACK
 ARENDS, PAUL
 ARP, LONNIE

BACON, ALEX
 BALLESTEROS, ADAM
 BARTH, TODD
 BAYTOSH, CHRIS

BEEHLER, DENNIS
 BELGARDE, KELLY
 BENGE, DYLAN
 BERG, DON
 BERG, JASON
 BERGER, COLE

BICKLER, KENT
 BINSTOCK, CLARENCE
 BLESSUM, CHAD

BLUM, BRANDON

BOMMERSBACH, TROY

BONIN, JAMES

BOOZENNY, JAKE
 BOYLE, BRIAN
 BRANDT, BRADLEY
 BRANDT, MARLIN D

Employer

ARNEGARD CITY OF
 WASHBURN CITY OF
 BASE UTILITIES INC.
 MAPLETON CITY OF
 GRAND FORKS CITY OF
 HAZELTON CITY OF
 ALEXANDER CITY OF
 MILTON R YOUNG
 STATION WELL
 HARVEY CITY OF
 GRAND FORKS AFB
 BISMARCK CITY OF
 MADDOCK CITY OF
 PARSHALL CITY OF
 GRENORA CITY OF
 VALLEY CITY CITY OF
 DICKINSON CITY OF
 MOTT CITY OF
 MANDAN CITY OF
 BURLINGTON CITY OF
 DEVILS LAKE CITY OF
 GRAND FORKS AIR
 FORCE BASE
 JAMESTOWN CITY OF
 DICKINSON CITY OF
 WEST FARGO CITY OF
 DAKOTA GASIFICATION
 CO
 BISMARCK CITY OF
 BISMARCK CITY OF
 BOWBELLS CITY OF
 ROLETTE CITY OF
 WALHALLA CITY OF
 DAKOTA GASIFICATION
 CO
 R & T WATER SYSTEM
 NEW ENGLAND CITY OF
 TRI-COUNTY WATER
 DISTRICT
 SOUTHWEST WATER
 AUTHORITY
 SOUTHEAST WUD
 (WEST)
 GRAND FORKS AIR
 FORCE BASE
 UNDERWOOD CITY OF
 WALCOTT CITY OF
 GLENBURN CITY OF
 BISMARCK CITY OF

Operator

BRINKMAN, BRENT
 BROTHERTON, KRIS
 BRUCE, HAROLD R
 BRUINEKOOL, MARK
 BRUNEN, ANDY
 BULLHEAD JR, DARRELL B
 BURKLAND, KIM
 CARBONARO, MICHAEL
 CARPENTER, BRADY
 CARROLL, BRIAN
 CARROLL, STEVE
 CARSTENS, LOGAN
 CARTER, ROSS
 CAWLEY, JARROD
 CHRISTIANSON, BROCK
 CHRISTIANSON, GRANT
 COLLIER, NICHOLAS
 COSTELLO, CRAIG
 CRON, BARB
 CUCCI, KEVIN
 DAY, BRIAN
 DEARINGER, KEVIN
 DELISLE, RONALD
 DEMARAY, MAYNARD R
 DENNING, ZACH
 DEROCK BRAINE, FRANK T
 DOCKTER, JON
 DUKART, JESSICA
 EISENZIMMER, TERRY
 ELLINGSON, MAUREEN
 ENG, RYAN
 ERICKSON, JR, ANDREW
 FARBER, SCOTT
 FARRELL, JAMES
 FISCHER, GLEN

Employer

CASS RURAL WATER
 DISTRICT
 MCKENZIE COUNTY
 WRD
 BELCOURT PUBLIC
 UTILITIES
 WILLISTON CITY OF
 NEW SALEM CITY OF
 STANDING ROCK SIOUX
 TRIBE
 LAKOTA CITY OF
 JAMESTOWN CITY OF
 NORTH PRAIRIE RWD
 MCKENZIE COUNTY
 WRD
 CASS RURAL WATER
 DISTRICT
 GRAND FORKS AFB
 SHERWOOD CITY OF
 T ROOSEVELT NATL PK-
 NORTH
 PARSHALL CITY OF
 JAMESTOWN CITY OF
 GRAND FORKS AFB
 WEST FARGO CITY OF
 FLAXTON CITY OF
 GRAND FORKS AFB
 MIDWEST ASSISTANCE
 PROGRAM
 WING CITY OF
 BISMARCK CITY OF
 FORT BERTHOLD
 RURAL WATER
 BISMARCK CITY OF
 STANDING ROCK SIOUX
 TRIBE
 IMPERIAL VALLEY
 WATER CO
 SOUTHWEST WATER
 AUTHORITY
 NORTH DAKOTA
 NATIONAL GUARD
 BERLIN CITY OF
 GRAFTON CITY OF
 SOUTHWEST WATER
 AUTHORITY
 DICKINSON CITY OF
 SOUTHWEST WATER
 AUTHORITY
 EDGELEY CITY OF

<u>Operator</u>	<u>Employer</u>	<u>Operator</u>	<u>Employer</u>
FOLK, CHARLES	KNIFE RIVER INDIAN VILLAGE	HOTTMAN, DAVID	SOUTHWEST WATER AUTHORITY
FOSTER, JEFFREY	COAL CREEK STATION	HOULE, JASON	WILLISTON CITY OF
FOX, RICK	R & T WATER SYSTEM	HUMBLE, JEFF	DAKOTA SERVICES INC
FRITZ, SAMUEL	SOUTHWEST WATER AUTHORITY	IRVINE, JOSHUA	PARK RIVER CITY OF
GAGE, CHRISTIAN	MAYVILLE CITY OF	IRVINE, WILEY	MANDAN CITY OF
GEIGER, BILL	BISMARCK CITY OF	JEFFRIES, TERRY	WATFORD CITY CITY OF
GIESE, TOM	MC CLUSKY CITY OF	JOHNSON, ALLEN M	MINOT CITY OF
GILBERT, PAUL	SOUTHEAST WUD (CENTRAL)	JOHNSON, DEEJAY	PARK RIVER CITY OF
GILLUND, RICK	ENDERLIN CITY OF	JOHNSON, JEREMY	R & T WATER SYSTEM
GLASOE, MONTE	NOONAN CITY OF	JOHNSTON, JOSEPH	JAMESTOWN CITY OF
GOHL, RUSS	BASE UTILITIES INC	KALENZE, LINUS	BASE UTILITIES INC
GORRES, JIM	NORTHWOOD CITY OF	KALLBERG, RUSSELL	UNDERGROUND CONSTRUCTION
GRAMMOND, PERRY	BISMARCK CITY OF	KASSIAN, LARRY	SOUTH CENTRAL RWD
GRONHOVD, ELROY	SOUTH CENTRAL RWD-EMMONS	KASTNER, CHAD	SURREY CITY OF
GUNVILLE, SHANNON	BELCOURT PUBLIC UTILITIES	KENDALL, TANYOR	BASE UTILITIES INC
HADLEY, DUSTAN	MISSOURI WEST WATER SYSTEM	KEYS, SHERRY RENEE	VALLEY CITY PUBLIC WORKS
HAGEN, RYAN	SOUTHWEST WATER AUTHORITY	KLEIN, LINDA	LELAND OLDS STATION
HAGER, GARY	UPPER SOURIS WUA	KLEMISCH, CLINT	VALLEY CITY CITY OF
HAIDER, MARK	MINOT CITY OF	KNIGHT, BEN	WESTHOPE CITY OF
HALLDORSON, BRAD D	DEVILS LAKE CITY OF	KNUTSON, AARON	LELAND OLD STATION
HANLAN, MIKE	ST JOHN CITY OF	KOCH, BRETT	BEULAH CITY OF
HANS, STEVEN	DAVENPORT CITY OF	KOVASH, LANCE	FARGO CITY OF (WWT)
HANSON, NICK	CASS RURAL WATER DISTRICT	KRAFT, CURT	GARRISON CITY OF
HARNESS, MIKE	WESTERN AREA WATER SUPPLY	KRISTIANSEN, ROGER	NAPOLEON CITY OF
HARR, BRENT	STUTSMAN RURAL WATER DISTRICT	KRUGER, CLAY	RIVERDALE CITY OF
HARRIS, BROCK	GARRISON CITY OF	KUEHN, PAUL	CASS RURAL WATER DISTRICT
HART, SCOTT	WESTERN AREA WATER SUPPLY	KUMMER, CODY	WATFORD CITY CITY OF
HASBARGEN, GARY	WAHPETON CITY OF	KUNTZ, JORDAN	DAKOTA GASIFICATION CO
HEINERT, CODY	BISMARCK CITY OF	LACHENMEIER, RICHARD	BISMARCK CITY OF
HEISLER, KEITH	NORTH PRAIRIE RWD	LATHAM, STEPHEN	MINOT CITY OF
HEISLER, ROD	NORTH DAKOTA NATIONAL GUARD	LAWSON, GARY	CAVALIER CITY OF
HEJTMANEK, BRANDON	SOUTHEAST WUD	LEE, LONNY	JAMESTOWN CITY OF
HELFRICH, TYLER	MILTON R YOUNG STATION WELL	LEGO, SHELBY	WHITING OIL & GAS
HERDA, MATTHEW	LAKOTA CITY OF	LEIDHOLM, MARLIN	MCLEAN-SHERIDAN WATER DISTRICT
HIGDEM, SIDNEY	MEDINA CITY OF	LEINES, LEE	GRANDIN CITY OF
HOLZER, PAUL	SOUTH CENTRAL REGIONAL WD	LEMER, GREG K.	R & T WATER SYSTEM
		LINSTAD, STEFAN	PARK RIVER CITY OF
		LITTLE OWL, LEON	FORT BERTHOLD RURAL WATER
		LITTLE SOLDIER, PHILLIP	PARSHALL CITY OF
		LYNCH, JOHN	R & T WATER SYSTEM
		MALY, SADIE	MINOT CITY OF
		MARTINSON, STEVE	GREATER RAMSEY WATER DISTRICT

<u>Operator</u>	<u>Employer</u>	<u>Operator</u>	<u>Employer</u>
MASON, BILL	BOWMAN CITY OF	ROTHMANN, BRYAN L	WASHBURN CITY OF
MATZKE, BRIAN	WEST FARGO CITY OF/ SLEEPY HOLL	ROWELL, JOE	JAMESTOWN CITY OF
MCDONALD, ADAM	DAKOTA GASIFICATION CO	RUDNICK, MATTHEW	JAMESTOWN CITY OF
MCFARLANE, JAMES	BISMARCK CITY OF	SAILER, JAMES	PICK CITY CITY OF
MCGARRY, DENNIS W	GRAND FORKS AIR FORCE BASE	SCHANTZ, ERICK	MANDAN CITY OF
MEHLHOFF, RANDY	POWERS LAKE CITY OF	SCHLIEVE, FLINT	GREATER RAMSEY WATER DISTRICT
MEIDINGER, TANNER	SOUTHWEST WATER AUTHORITY	SCHLOSSER, HUNTER	MISSOURI WEST WATER SYSTEM
MELBY, KAEI	MANDAN CITY OF	SCHMIDT, DEAN E.	MANDAN CITY OF
MESSER, CARY	SOUTHWEST WATER AUTHORITY	SEIFERT, JUSTIN	MINOT CITY OF
MIDDLETON, BILL	DICKINSON CITY OF	SIMPSON, MIKE	WILLISTON CITY OF
MIKKELSON, AMBER	BASE UTILITIES INC	SMITH, DOUGLAS	SOUTH CENTRAL REGIONAL WATER
MILLER, DAN	CARRINGTON CITY OF	SMITH, RYAN	MILNOR CITY OF
MONGEON, TYLER	DAKOTA GASIFICATION CO	STAEBLER, MATTHEW	WEST FARGO CITY OF
MONROE, ADAM	ELLENDALE CITY OF	STIEG, BRAD	DICKINSON CITY OF
MONROE, JIM	ELLENDALE CITY OF	SUKO, STEVEN	JAMESTOWN CITY OF
MORTON, JAKE	WEST FARGO CITY OF	SUTER, JAMES	MANDAN CITY OF
MULLER, ANDREW	CARGILL SWEETENERS	SWANSON, DARREL	GWINNER CITY OF
MURPHY, JAMES	SOUTHWEST WATER AUTHORITY	SWART, COURTNEY	DAKOTA GASIFICATION CO
MURR, LEO	WAHPETON CITY OF	TAGGART, JAMES	ARNEGARD CITY OF
MURRAY, STEVEN H	MCLEAN-SHERIDAN WATER DISTRICT	THIELEN, TRAVIS	DICKINSON CITY OF
MYERS, RALPH A.	R & R TRAILER COURT	THOMAS, ADAM	WASHBURN CITY OF
NAGEL, NATHAN	HETTINGER CITY OF	THOMPSON, EVAN	MINNEWAUKAN CITY OF
OBERG, ANN	MCLEAN-SHERIDAN WATER DISTRICT	TROSKA, MARC	ALL SEASONS WUA- SYSTEM I
ODEGARD, RICK	WILLISTON CITY OF	URAN, LUKE	COAL CREEK STATION
OLDENBURG, CAL	ADVANCED ENGINEERING	VETTER, DONALD A	SOUTH CENTRAL RWD
OTT, LUCAS	CASS RURAL WATER DISTRICT	VILLANUEVA, FITZ	MCKENZIE COUNTY WRD
OVERMOE, DAN	MAYVILLE CITY OF	VOORHEIS, PAUL	R & T WATER SYSTEM
PARTON, JANET	MINOT CITY OF	VORMESTRAND, ALAN	UPHAM CITY OF
PRICE, KYLE	STUTMAN RURAL WATER DISTRICT	WALKER, SEAN	ALEXANDER CITY OF
PROTEXTOR, JONATHAN	MANDAN CITY OF	WEIBEL, SEAN	WAHPETON CITY OF
RATH, JAMIE	MADDOCK CITY OF	WEINMANN, JAMEY	HARVEY CITY OF
REDINGER, DALE	CASS RURAL WATER DISTRICT	WHITTINGTON, JERRY	SOUTHWEST WATER AUTHORITY
REIS, WILLIAM	MINOT CITY OF	WIELAND, PAUL	BISMARCK CITY OF
RENSLAND, BRANDON	UNDERWOOD CITY OF	WILLARD, STEVEN R	STANDING ROCK SIOUX TRIBE
REPNOW, NEAL	GRANVILLE CITY OF	WINTERMUTE, DARRELL	ALL SEASONS WUA-I
ROSENCRANS, PAUL		WOESSNER, KELLY	PARSHALL CITY OF
		WOOVIS, RILEY	SOUTH CENTRAL RWD
		YOKOM, NICK	VALLEY CITY CITY OF
		ZENTNER, TAYLOR	MOTT CITY OF
		TRAUTMAN, RANDY	MAPLETON CITY OF

Operator

TURNER, TOBY

ULLAND, JASON

UNRUH, WYNNE

VANCE, JOSHUA

VENSTAD, SHAWN

VILLANUEVA, FITZ

VOELLER, KYLE

WADESON, MIKE

WALKER, SEAN

WALLACE, LOGAN LEE

WEIAND, ALLAN

WEINMANN, JAMEY

WENGER, MATTHEW

WHITE BEAR, CODY

WHITTINGTON, JERRY

WIEDRICH, MCKINZI

WIELAND, PAUL

WIENHOLD, RICHARD

WILM, TOM

WINGENBACH, NATHAN

WITT, MIKE

WOOVIS, RILEY

WROBBEL, REBECCA

ZASTOUPIL, DUANE

Employer

SOUTHWEST WATER

AUTHORITY

SOUTHWEST WATER

AUTHORITY

SOUTH CENTRAL RWD

T ROOSEVELT

NATIONAL PARK

SOUTH CENTRAL RWD

MCKENZIE COUNTY

WRD

FARGO CITY OF

VALLEY CITY CITY OF

ALEXANDER CITY OF

KILLDEER CITY OF

WAHPETON CITY OF

HARVEY CITY OF

MILTON R YOUNG

STATION WELL

FORT BERTHOLD

RURAL WATER

SOUTHWEST WATER

AUTHORITY

DAKOTA GASIFICATION

CO

BISMARCK CITY OF

FARGO CITY OF

CASS RURAL WATER

DISTRICT

DAKOTA GASIFICATION

CO

GRAND FORKS CITY OF

SOUTH CENTRAL RWD

DAKOTA GASIFICATION

CO

DICKINSON CITY OF

Chemicals, Equipment and Service for **Safe, Clean Water**



Serving Customers Since 1938

Water Treatment and Equipment:

- Agricultural Water
- Potable Water
- Wastewater
- Industrial Water
- Raw Water Clarification
- Swimming Pools
- Collection Systems
- Heating & Cooling Systems

Delivering the quality service you can depend on

Fargo, ND
701.293.9618

Washburn, ND
701.462.8588

www.hawkinsinc.com





Darren Marrese

Marketing Communications Specialist

Vector Corrosion Technologies

474 Dovercourt Drive | Winnipeg, MB, R3Y 1G4
Main: (204) 489-9611 | Direct: (204) 928-8097
darrenm@vector-corrosion.com | www.vector-corrosion.com

Cybersecurity: Does It Matter?

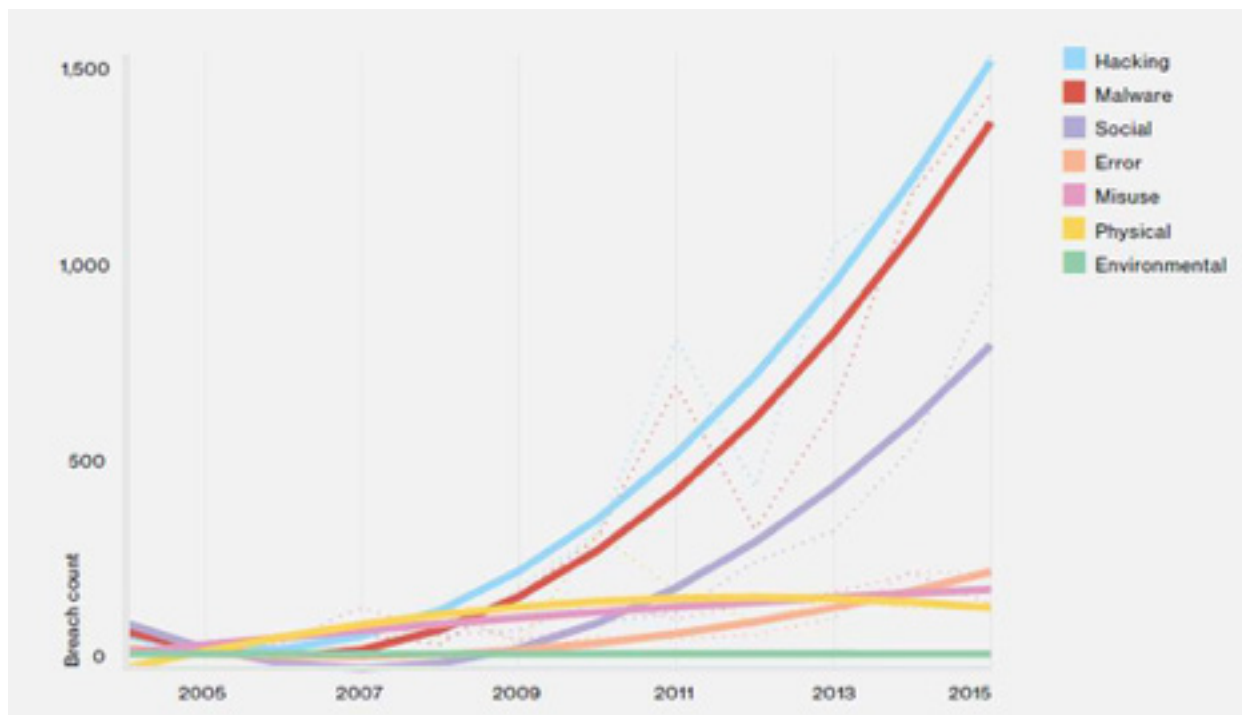
Kevin M. Morley, PhD

It's not a matter of if, but rather a matter of when a water utility will be impacted by a cyber incident. No water utility is immune from this threat.

So does size matter? The glib answer is of course it matters. The reality is that all water systems of any size now have virtual footprints that far exceed their physical perimeter. Cybersecurity is more than just ensuring that the customer service, accounting, and human resources folks protect personally identifiable information (PII) and conform to HIPAA (the Health Insurance Portability and Accountability Act of 1996) rules. It goes well beyond keeping your desktop or laptop operating systems updated with the latest patches from Microsoft or Apple. The growth in the Internet of Things (IoT), or more specifically, the Industrial Internet of Things (IIoT) has led to greater efficiency in leveraging data to optimize utility operations and processes. This includes all of the employees with smartphones, iPads, Kindles, and laptops that IIoT allows to remotely access, monitor, and manage the system. Included here are folks with personal devices that may ride along or otherwise “touch” a utility network, such as charging via a seemingly innocent USB cable or plugging in a memory stick from an unknown source.

#1. All water systems have people. Most, if not all, utility employees have computers that support some level of internet connectivity for business purposes like e-mail. This may or may not include the computer that runs supervisory control and data acquisition (SCADA). Most of these employees also have smartphones or similar devices that may or may not be provided by the utility. Everyone is at risk of clicking on something that has a virus. Think about those e-mails from “friends” that say, “Here’s something you need to see: www.dontlook.com” or those e-mails from a long-lost relative who only needs a little bit of help.

As a result, this can expose a utility’s business and operating system to bad actors, which can have a significant financial or operational impact. “Bad actor” is a term used for cybercriminals. Ransomware is the most frequent and simplest attack, which basically blocks an owner from accessing various files and demands payment for recovery... rarely are those files returned. This type of attack is rampant, as represented in this graphic.



Source: Verizon, 2017. Data Breach Investigations Report, <http://www.verizonenterprise.com/verizon-insights-lab/dbir/2017/>.

#2. Operating systems are not consistently maintained/patched. A large percentage of successful attacks, across all sectors, have exploited vulnerabilities that have had mitigation patches available for decades. The only way to know that things are in good shape is to determine what controls are in place relative to what should be in place to protect a utility's systems, especially process control systems. Resources such as the use-case tool developed by AWWA provide a utility with a clear set of prioritized controls that, if implemented, can mitigate the risks associated with cyberthreats. This does not mean the utility will not be targeted, but it does help lower the likelihood a hacker will be successful. This is a classic case of open versus closed—the more “doors” that are left open and unsecured, the greater the access and opportunity for bad actors.

#3. Nobody knows ABC Water. It is reasonable for one to think that a large city's water utility is a more attractive target when compared with Smallville's utility. That concept does not work in cyberspace; while some attacks are targeted, many others are very opportunistic. In a few clicks and strokes of the keyboard, a hacker can distribute millions of e-mails to propagate their malware. In addition, consider that many control systems were installed before cybersecurity was something to even worry about. As a result, many utilities may not realize that portions of their system have publicly facing IP addresses that are easily targeted by bad actors using sources like SHODAN, a library of sorts for devices connected to the internet. Even if your IT staff or vendor says you're not connected to the internet, verify that this exposure pathway is indeed closed. In this case, the size of the utility hosting a publicly facing device is completely irrelevant and unknown to the prospective exploiter. If these devices are important to your operations, protect them and manage them accordingly, using the recommended controls. That begins with securing these devices and turning on the security settings many devices already have in place rather than using default settings that anyone can look up online.

Bottom line: Cybersecurity matters. The size of your utility does not matter when it comes to cybersecurity. If a system is critical to your utility's operations, you'll need to implement controls to manage its cyber-risk. I suspect all your systems are critical; otherwise they never would have been installed, so get on it before it's too late.

Kevin M. Morley, PhD, is AWWA's Manager of Federal Relations.
He can be contacted at kmorley@awwa.org.

**We're setting the standard
for engineering in North Dakota.**



**701.837.8737
www.ackerman-estvold.com**

Minot, ND | Williston, ND



705 Quadee Drive SW | Watertown, SD 57201

Serving ND, SD and Western Minnesota


Cheri Camp
Administrative Assistant

Main - 605-886-4672
Fax - 605-886-4674
Toll Free - 800-310-4672

cheryl@dpc.us.com

www.dakotapumpandcontrol.com

Drinking Water Program Directory		
Program Administrator	Greg Wavra	701-328-5224
Acrylamide and Epichlorohydrin Rule	Rondal Joe Lydon	701-328-5221
Arsenic Rule	Tammy Lamphear	701-328-5295
Consumer Confidence Reports	LeeAnn Tillotson	701-328-5293
Disinfectant/Disinfection Byproducts Rule (TTHM, HAA5) Stage 1 and Stage 2 Rule	Tammy Lamphear	701-328-5295
Electronic Reporting Information System (ERIS)	Barrett Brown	701-328-5209
Filter and Backwash Recycle Rule	Rondal Joe Lydon	701-328-5221
Fluoride Addition	Stacey Herreid	701-328-5287
Groundwater Rule	Rondal Joe Lydon	701-328-5221
Inspections: Northeast	Gregg Stewart	701-328-6621
Inspections: Northwest	Mike Trythall	701-328-5269
Inspections: Southeast	Jacob Schafer	701-328-6375
Inspections: South Central	Bob Markhouse	701-328-6623
Lead and Copper Rule	Rondal Joe Lydon	701-328-5221
Surface Water Treatment Rule: Interim Enhanced, Long Term 1 Enhanced, Long Term 2 Enhanced	Mike Trythall	701-328-5269
Microscopic Particulate Analysis (MPA)	Rondal Joe Lydon	701-328-5221
Nitrate/Nitrite Program	Tammy Lamphear	701-328-5295
Operator Certification	Craig Bartholomay	701-328-6626
Operator Expense Reimbursement/Public Notice Rule	LeeAnn Tillotson	701-328-5293
Operator Training	Shawn Heinle	701-328-6627
Pesticides (SOCs)	Mike Trythall	701-328-5269
Primary and Secondary Inorganics	Rondal Joe Lydon	701-328-5221
Public Water System Updates (changes to source, treatment, contact, etc.)	Tammy Lamphear	701-328-5295
Radionuclide Rule: Gross Alpha, Total Radium, Uranium	Stacey Herreid	701-328-5287
Total Coliform Rule	Jeni Walsh Josh Seerup	701-328-5231 701-328-5257
Unregulated Contaminant Monitoring	LeeAnn Tillotson	701-328-5293
Volatile Organic Chemicals (VOCs)	Mike Trythall	701-328-5269
Central Phone: 701-328-5211		Fax: 701-328-5200
North Dakota Pollutant Discharge Elimination System Program Directory		
Program Administrator	Marty Haroldson	701-328-5234
Animal Feeding Operations	Brady Espe Rachel Strommen Jerney Lang	701-328-5228 701-328-5244 701-328-5219
Biosolids	Sarah Waldron-Feld	701-328-5237
Construction Stormwater	Dallas Grosman Bill Giuliani Duane Sandvick Samantha Swanberg	701-328-5242 701-328-5285 701-328-5260 701-328-5283
Dewatering and Hydrostatic Testing	Sarah Waldron-Feld	701-328-5237
Discharge Monitoring Reports (DMRs)	All Staff	701-328-5210
DMR Quality Assurance (QA) Study	Marty Haroldson	701-328-5234
Industrial Pretreatment	Jeff Roerick Duane Sandvick	701-328-5240 701-328-5260
Industrial Stormwater	Dallas Grossman Patrick Schuett	701-328-5242 701-328-5235
Inspections	All Staff	701-328-5210
Lagoon Overflows/Releases/Spills	All Staff	701-328-5210
MS4 Stormwater	Dallas Grossman Duane Sandvick	701-328-5242 701-328-5260
Public Notices/NDPDES Permits	All Staff	701-328-5210
Septic Pumper	Sarah Waldron-Feld Sarah Starr	701-328-5237 701-328-5215
Wastewater Discharge Approvals	All Staff	701-328-5210
Central Phone: 701-328-5210		Fax: 701-328-5200



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.

Water Solutions for community growth

Bartlett & West partners with businesses and communities to build smarter, stronger, more connected infrastructure. With industry knowledge and creative approaches, we engineer better tomorrows.



3456 E Century Avenue

Bismarck, ND

(888) 200-6464

www.bartlettwest.com

WASTEWATER MONITORING



Accurate. Reliable. Compliant.

Specialized monitoring for your effluent waters, sludges, sediments and receiving surface water.

Pace Analytical has convenient online data access, sampling and courier services to bring you high quality customer service.

- WET Testing
- Physical Properties
- Solids
- Metals
- Nutrients
- Inorganics
- Organics
- Total Oil and Grease
- Priority Pollutants
Monitoring for Total Toxic Organics (TTO)
- Surface Water Compliance Monitoring

Contact Your TOTAL Laboratory Resource

Billings, MT Lab
(406) 254-7226

Minneapolis, MN Lab
(612) 607-6457

Virginia, MN Lab
(218) 735-6700

Official Bulletin

N.D. Water & Pollution Control Conference
Environmental Training Center
2639 East Main Avenue
Bismarck, ND 58501

PRSRT STD
US POSTAGE
PAID
PERMIT #433
BISMARCK, ND
ZIP CODE 58501

IT MATTERS.

WATER. It grows our children and crops.
It develops our cities and country.
It powers our industries and businesses.
It cleanses our bodies and the land.

Providing water engineering and related services to help clients achieve success.

WATER ENGINEERING | CIVIL ENGINEERING | LAND SERVICES | SURVEY/MAPPING/GIS
MUNICIPAL FINANCIAL SERVICES | ASSET MANAGEMENT | INSTRUMENTATION & CONTROLS
ELECTRICAL ENGINEERING | STRUCTURAL ENGINEERING | COMMUNICATION SERVICES

THINK BIG. GO BEYOND.



Advanced Engineering and Environmental Services, Inc.
North Dakota Offices: Grand Forks, Fargo, Bismarck, Minot,
Dickinson, Williston, Watford City

www.ae2s.com