

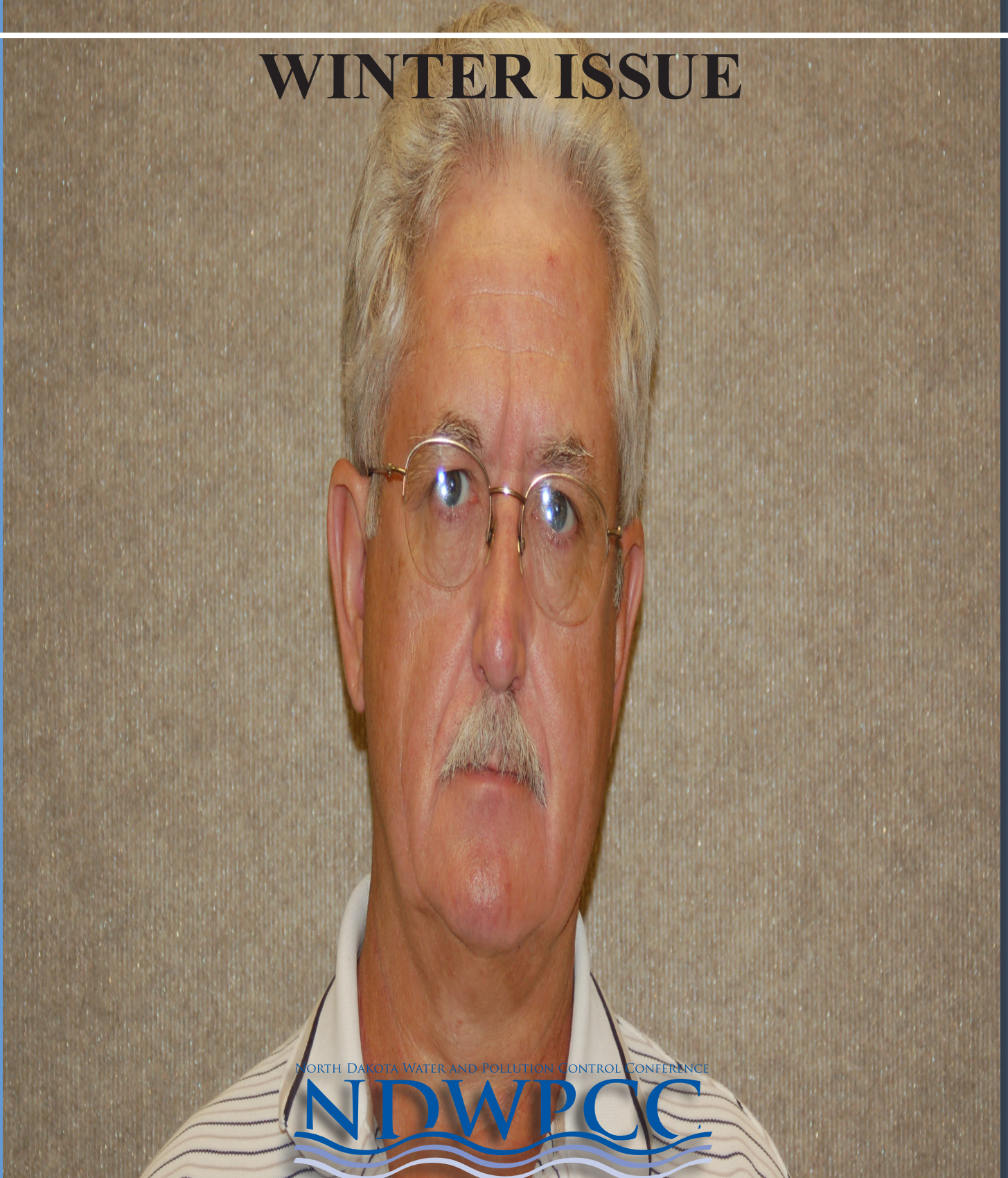
OFFICIAL BULLETIN

VOLUME 105

OCTOBER - DECEMBER 2017

NUMBERS 10-12

WINTER ISSUE



NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

NDWPCC

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If you are interesting in submitting articles please contact the editor, Jake Schafer at jrschafer@nd.gov.

INDEX TO ADVERTISERS

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

FIRM	PAGE
Ackerman Estvold	8, 55
AE ₂ S.....	Back Cover
Apex Engineering.....	Inside Cover, 55
Bolton & Menk.....	55, Inside Back Cover
Dakota Supply Group	28, 55
Electric Pump	13, 30
Ess Brothers & Sons, Inc.....	7, 25
Ferguson Water Works	6, 41
Fergus Power Pump.....	57
Ford Meter Box.....	24
Hawkins Water Treatment Group	41
Houston Engineering.....	14, 15
Interstate Engineering.....	14
Jet-Way.....	29, 57
KLJ	3, 14
Moore Engineering.....	19, 27
ND Sewage Pump & Lift Station Service	26, 51
Visu-Sewer	10
Wold Engineering.....	43

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

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OFFICIAL BULLETIN

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PRESIDENT - Tracy Eslinger

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Michael Quamme

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TABLE OF CONTENTS

SUBJECT	PAGE
NDSU Wins Environmental Challenge	2
NDDOH Retirements	4
NDDOH New Hires.....	5
NDWEA Meeting Minutes.....	9
NDWEA Committee Members.....	11
Bedell Award	12
Hatfield Award	13
Operator Of The Year Awards	16
89th Annual NDWPCC	20
Delegate Service Award.....	25
Project Of The Year Awards.....	25
2017 Capacity Report	31
2017 NDWPCC Attendance.....	42
Water For People Thank You	54
Upcoming Conference Dates	55
Operators Pass Exams	56
Conference Photos.....	58
AWWA Letter.....	60
Ribbon Cutting	63
Program Directories	64

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

The objectives of this Conference shall be: the advancement of the knowledge of design, construction, operation and management of water, wastewater systems, and stormwater 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, wastewater treatment facilities and stormwater treatment; and the promotion of water, wastewater, and stormwater system operator education and certification programs.

On the cover: Mike Brisben: NDWPCC Secretary Treasurer 2006-2017. Thanks for your service!

NDSU Students Win 2017 Environmental Challenge

Wei Lin, NDSU

A team of Civil and Environmental Engineering students, representing the NDSU AWWA/WEF Student Chapter, won the Environmental Challenge (EC) at the Conference on the Environment (COE) on November 8, 2017 at the Minneapolis Convention Center in Minneapolis, Minnesota. The NDSU team members are Jamal Ghauri, Josh Hammermeister, and Emily Fassbender. They secured 1st place in the competition and received a \$1,500 cash award.

The EC, sponsored by the Air & Waste Management Association – Upper Midwest Section (AWMA-UMS) and Central States Water Environment Association (CSWEA)-Minnesota Section, is an undergraduate student team competition to prepare and present an optimal solution to a complex “true-to-life” environmental problem. The EC seeks not only technical and scientific analyses, but solutions that are presented in conjunction with the development of appropriate regulatory approaches and resolutions of political and community issues, which requires multidisciplinary approaches for success.

NDSU’s winning project titled, “Midwest, MN WWTF Upgrades” sought to evaluate and propose infrastructure improvements for a fictional rural Minnesota community receiving strict CBOD and total phosphorus discharge limits. Each team was judged on a written solution, table top display, and formal oral presentation. With the win, this is the 5th victory for NDSU since the regional competition started in 2010.



From Left to Right: Emily Fassbender, Jamal Ghauri, Josh Hammermeister, and Eric Miller (Judge)



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Retirements from North Dakota Department of Health (NDDH) Division of Municipal Facilities



Wayne Kern retired on November 6, 2017 after 38 years of service with the Department.

Wayne Kern began working for the NDDH in 1979 and participated in and managed many projects and activities in the Division of Water Supply and Pollution Control, the Division of Waste Management and the Division of Municipal Facilities. During his tenure, he worked as a staff engineer in the Construction Grants Program and the Clean Water State Revolving Fund, and he was the manager of the Drinking Water Program. He also started and administered the Drinking Water State Revolving Fund. Wayne served as Director of the Division of Waste Management and for the past 12 years he was the Director of the Division of Municipal Facilities.

The Department is truly grateful for the many years of service from Wayne. His dedication and all he has contributed in service to North Dakota and its citizens will continue to benefit the health of future generations. We offer him our sincere congratulations and best wishes on his retirement.

New Hires from North Dakota Department of Health (NDDH)

Rondal “Joe” Lydon was honorably discharged from the U.S. Army as a Forward Observer in 1993 and spent the next eleven years working as a manager of a family owned tavern, running his own residential construction service, and going to school. In 2004, Joe graduated from Indiana University with a degree in Physical Geography and Geographic Information Systems. Joe has also studied Communications, Business Computer Information Systems, Natural Resources, and Backcountry Horsemanship.

Joe began his career regulating the coal mining industry in Kentucky and over the next 12 years also worked in Ohio and Virginia. In these positions, Joe did technical review of coal mine applications, inspection of coal mine sites and managed Abandoned Mine Land projects. Additionally, Joe had brief employment with the U. S. Geological Survey as a Hydrological Technician.

Joe is glad to call North Dakota home and is looking forward to working in the Division of Municipal facilities and the Drinking Water Program with its Ground Water Rule and the Inspections Program.

Stacey Herreid joined the Division of Municipal Facilities on November 1 with a Degree in Professional Chemistry from Minot State University. In the Drinking Water Program, Stacey will be the manager for the Radionuclides, Fluoride, and Asbestos rules. Stacey will also provide support for general IT needs of the Division focusing on electronic data reporting.

Stacey’s past work experience includes being an undergraduate research assistant at Minot State, a lease/reliability operator for several oil companies entering production data, maintained well performance as well as tested wells for H₂S and other toxic gasses. In her most recent position, Stacey was a development associate for the Dakota Boys and Girls Ranch in Minot working on data entry donation processing and databases.

Stacey is an outdoors enthusiast and enjoys spending much of her free time hunting and fishing in the outdoors with her husband, dad and two hunting dogs. Stacey also has a passion for flipping homes and general home improvement projects.



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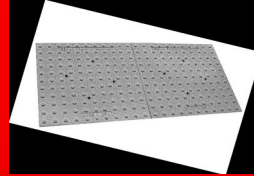
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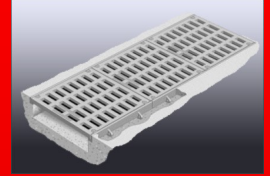
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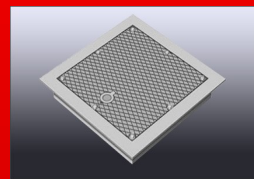
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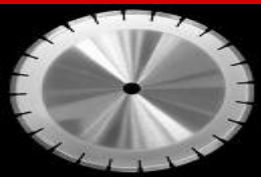
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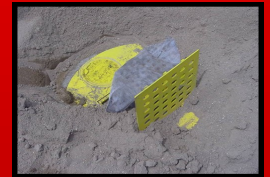
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A FISHERMAN.
A CIVIL ENGINEER.

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Meet Aaron. He's a civil engineer in our Minnot office, specializing in serving the municipal needs of our surrounding communities. But we know there's more to Aaron than that. When he isn't immersed in planning pump houses and water treatment plants, he's spending time with his family and friends. You may see him at his daughter's dance recital or find him on the lake reeling in the next big catch. Aaron knows that designing these water solutions for communities provides a safe and sustainable future not only for his family, but for yours.



NDWEA

58th Annual Meeting Minutes October 18, 2017

The North Dakota Water Environment Association (NDWEA) held its annual business meeting on Wednesday, October 18, 2017 at the Holiday Inn in Fargo North Dakota. President Michael Quamme called the meeting to order at 12:20 p.m., 269 people were present at the business luncheon.

The 2016 NDWEA annual meeting minutes were published in the Official Bulletin. President Quamme asked if there were any objections to dispensing with the reading of the minutes. There were no objections. Tom Welle made a motion to dispense with the reading and approval of the minutes as published. Seth Lynne seconded the motion and the motion passed.

Bill Gefroh was called upon by President Quamme to present the Secretary-Treasurer's report. As of October 12, 2017 the NDWEA has a general fund balance of \$15,869.29. In 2016 at this time the balance was \$12,407.56. The NDWEA membership is at 121, last year at this time it was 124. Tom Welle made a motion to approve the Treasurer's report. Sara Waldron seconded the motion and the motion passed.

President Quamme called upon Jessica Wagner Chair of the Nomination Committee, to present the NDWEA nominations. The Nomination Committee members were Jessica Wagner, Karl Rockeman and Gary Zuroff. Ms. Wagner reported for the open officer positions that the committee nominates Greg Stack for the NDWEA Vice President and Karla Olson for Secretary-Treasurer. There were no nominations from the floor. Jessica Wagner read the slate of NDWEA officers for 2017/2018:

President: Marty Haroldson

President-Elect: Don Wald

Vice President: Greg Stack

Secretary-Treasurer: Karla Olson

Delegate: Wei Lin, 2nd year of three-year term

Professional Wastewater Operations: Bill Sukalski, 2nd year of three-year term

Past President: Karl Rockeman

Past President: Gary Zuroff

Past President: Michael Quamme

Karl Rockeman moved that the nominations be closed and a unanimous ballot be cast for the nominated slate of announced officers. Seth Lynne seconded the motion and the motion passed.

President Michael Quamme introduced the guest speaker Tim Williams Deputy Executive Director for the Water Environment Federation (WEF).

Mr. Williams congratulated the conference on how well it is organized and on its success. He encouraged the NDWEA members to get more involved and highlighted Dr. Wei Lin on how much one can do in an organization. Mr. Lin started the North Dakota State University NDWEA/American Water Works Association (AWWA) Student Chapter in 1997. He engages, motivates and challenges the students by bringing them to the Water Environment Federation Technical Exposition Conference to compete in the WEF Student Design Competition starting in 2003 and it has gone non-stop over the last fourteen years. Mr. Lin has fulfilled the student chapter faculty advisor responsibility with strong support by the NDWEA and AWWA. The students have done well in the WEF design competitions. Mr. Williams indicated that the WEF and NDWEA should do more to recognize leaders, especially professors and students with service awards. We should do more in recognizing NDWEA members with awards such as the operator of the year award, quarter century operator award and others awards and recognition. Mr. Williams indicated that people that deserve recognition and awards the most, seek it the least. Mr. Williams recognized Michael Quamme on the work that he has done with numerous WEF design projects, working with the NDSU Student Chapter and the Young Professionals. WEF should also recognize cities on nutrient reduction, energy production and resource recovery in becoming utilities of the future.

Mr. Williams talked about community and the water business, where we are essential in the water sector. We are first responders along with the fire department and police department and this can't be underscored. Mr. Williams said, "ask yourself what can I do to inspire people in the water profession and help them to succeed". There are many ways that we can help out being a mentor and teacher. Bring a friend along to the North Dakota Water and Pollution Control Conference next year for consideration of a career in the water sector, help a high school student with their science fair project or the Stockholm Junior Water Prize competition or help a group of college students on their WEF Student Design Competition project. Take time at work to help the young people. We should remind friends, neighbors and people in the community the critical role of the water utility and economy and to take pride in the essential services that we provide.

At this time, President Marty Haroldson became the Chief Officer of the NDWEA. President Marty Haroldson presented Michael Quamme with the President's Service Award. There being no further business Mr. Haroldson asked for a motion to adjourn. Jessica Wagner made a motion to adjourn. Tom Welle seconded the motion and President Haroldson adjourned the meeting.

Respectfully submitted,
Bill Gefroh
NDWEA Secretary-Treasurer

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NDWEA

Current Committee Members

Executive Committee

President – Marty Haroldson, mharolds@nd.gov,
918 E Divide Ave., 4th Floor Bismarck ND 58501 (701)
328-5234

President-Elect – Don Wald, 1900 4th St N, City
of Wahpeton, Wahpeton ND 58075, (701) 642-6565,
donw@wah.midco.net

Vice President – Greg Stack, 10816 38th St SW,
City of Dickinson, Dickinson ND 58601, (701)690-6433,
greg.stack@dickinsongov.com

Secretary-Treasurer – Karla Olson 4733 Amber
Valley Parkway South Fargo, ND 58104, (701) 373-7985,
Karla.olson@apexenggroup.com

WEF Delegate – Wei Lin, 238 Prairiewood Drive
Fargo ND 58103, (701) 231-6288, wei.lin@ndsu.edu

PWO Regional Council Representative – Bill
Sukalski PO Box 5200 3251 N 69th St City of Grand
Forks 58206 (701) 787-9134, or cell (701) 740-8266,
BSukalski@grandforksgov.com

Past President – Karl Rockeman, 918 E
Divide, 4th Floor, Bismarck ND 58501, (701) 328-5225,
krockema@nd.gov

Past President – Gary Zuroff, 99 2nd Street East,
City of Dickinson, Dickinson ND 58601, (701)456-7022,
gary.zuroff@dickinsongov.com

Past President – Michael Quamme, 4733 Amber
Valley Parkway South Fargo ND 58104, (701)373-7996,
Michael.Quamme@ApexEngGroup.com
A quorum shall consist of at least five NDWEA Executive
Officers

NDWEA Operations and Safety Committee

Wayne Offerdahl, PO Box 2083 Fargo, ND 58102-
1040 (701) 730-0139, WOfferdahl@cityoffargo.com

Don Wald

Michael Quamme

Marty Haroldson

Harvey Gullicks, Harvey.Gullicks@AE2S.com

Karla Olson

MA Contact

Karla Olson

2017 Awards Committee

Chair – Wei Lin

Mark Blonigen and

Bill Gefroh

Public Education

Jessica Wagner, 3170 43rd St. South Suit 100,
Fargo ND 58104, (701) 364-9111, jessica.wagner@kljeng.
com

Michael Quamme

Government Affairs

Karl, Rockeman, Gary Zuroff and Karla Olson

Student Affairs

Chair - Michael Quamme

Mark Blonigen, Phone W (701) 241-1454, or 241-
1469, C (701) 730-8738, mgblonigen@ci.fargo.nd.us

NDSU AWWA/WEF Student Chapter President,
Joshua Hammermeister, joshua.hammermeister@ndsu.
edu

Faculty Advisors

NDSU, Wei Lin

Membership

Jessica Wagner, Karla Olson and Gary Zuroff

Constitution and By-laws

Michael Quamme and

Mary Haroldson

Laboratory Chair

Bill Gefroh

Newspaper Editors

Jake Schafer, ND Dept. of Health, Division of
Municipal Facilities 918 East Divide Avenue, 3rd Floor
Bismarck, ND 58501-1947, (701) 328-6371, jrschafer@
nd.gov

NDWEA Nominating Committee 3 most recent past presidents

Chair Karl Rockeman

Gary Zuroff

Michael Quamme

NDWPCC Conference Dates

2018 – Grand Forks Alerus, 10/15-18, 1200 South 42nd
Street 701-792-1200

2019 – Bismarck Ramkota Inn, 10/8 – 10, 800 South 3rd
St. 701-258-7700

Arthur Sidney Bedell Award

The Arthur Sidney Bedell Award was established to acknowledge extraordinary personal service to a Member Association. The award is named for Arthur Sidney Bedell, the second president of the Federation who exemplified its purpose by his long devotion and service to the New York Water Environment Association. Qualification for the award is based on organization leadership, administrative service, membership activity and stimulation of technical functions.

Seth Lynne joined the Water Environment Federation and North Dakota Water Environment Association in June of 2005, beginning his term as the NDWEA President in 2008. He participated in and was a judge at three North Dakota Science and Engineering Fairs and Six Stockholm Junior Water Prize events. He was the recipient of the 5S Award at last year's ND Water and Pollution Control Conference and gave his 12th career presentation at this year's conference with past topics highlighting his expertise in wastewater treatment, collections, and computer modeling, much of which was gained through real-life experience as a licensed Class C Wastewater Operator.

He was born and raised in Minot, North Dakota, graduating from Minot High School in 1998. He was involved in football as well as the Honor Society in high school. He sang and played guitar in the well-known, critically acclaimed and highly touted band International Velvet.

In 2003, he graduated from North Dakota State University with a Bachelor's of Science degree in Civil Engineering. He continued his education at North Dakota State University, earning his Master's degree in Environmental Engineering in 2007.



He has more than 12 years of experience in the evaluation, planning and design of mechanical wastewater treatment and collection facilities and is a regional odor control expert, planning and designing multiple odor control systems for clients across the upper Midwest. He specializes in hydraulic and process modeling, microbiology and all aspects of plant evaluation and design.

On a personal note, he has two sons, Asher and Anders, and lives with his wife Amy in south Fargo. In his spare time he enjoys summer weekends at Lake Lida. He is a big football fan, following the Bison, Vikings and the New England Patriots (mostly his idol...man crush... Tom Brady). He enjoys fixing up classic Corvettes, listening to music - especially Pearl Jam.

Hatfield Award

The Hatfield Award is presented to operators of wastewater treatment facilities for outstanding performance and professionalism. The award was established in honor of Dr. William Hatfield, Superintendent of the Decatur Illinois Sanitary District, who was President of the Central States Sewage Works Association in 1944 – 1945 and served as President of the Federation in 1958 – 1959. Jeff Hoff began working as a wastewater treatment operator in 1991. He joined the North Dakota Water Environment Association in 1995, and attained his Grade 4 Wastewater Treatment Operator Certificate in 1996. He has presented numerous times at this conference, and has made significant contributions to optimizing membrane and reverse osmosis operations in effluent re-use facilities.

He was born in Bismarck, ND and graduated high school in Wing, ND in 1974. He received a degree in Auto Mechanics in 1981 from Moorhead Technical Institute, and in 1983 received a second degree in Electronics. Additionally, he took all eight ASE mechanic certifications simultaneously and won the Amoco Certificate Award for the highest score in the western region of the United States in 1991. In 1991 he began working as a Wastewater Operator for the City of Fargo and has since been promoted to Control Systems Supervisor.



On a personal note, he and his wife Karen have two sons (James and Jeremiah), one daughter (Alicia), and seven grandchildren.

In his spare time, he enjoys fixing computers and TV's and donating them to those in need. He also enjoys growing plants. For the past 40 years he and his wife Karen have been active in their church by serving Sunday suppers to NDSU students. Additionally, since the beginning of the Fargo/Moorhead Red Hawks baseball team 22 years ago, he has sewn patches and nameplates on team uniforms.



Jeff Janiksela

4303 Bass Lake Road NE
Bemidji, MN 55601
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Operator of the Year Awards

Thank you for your hard work!

The North Dakota Department of Health, in an effort to encourage proper operation and maintenance of water and wastewater systems, instituted an annual operator awards program in 1981 at the Annual North Dakota Water and Pollution Control Conference in Jamestown. This year marks the 37th anniversary of the awards program which has honored 196 operators and three military units (the U.S. Army Reserve, the ND Army National Guard, and the ND Air National Guard) for outstanding service.

The awards are based on:

1. Field and inspection reports.
2. Compliance with state and federal regulations.
3. Participation in the North Dakota Operator Training and Certification Program.
4. Participation in the North Dakota Water and Pollution Control Conference, North Dakota Chapter of the American Public Works Association, North Dakota Water Environmental Association, the North Dakota Section of the American Water Works Association, and the North Dakota Chapter of the North American Stormwater and Erosion Control Association.

Recipients of the 2017 Operator of the Year Awards are:



Kenny Bergstrom – City of Williston

Kenny started with the city in September of 2001 as a meter reader and on his first day, management allowed him to rake the bar screen at the wastewater treatment plant launching his career in water and wastewater. He initially obtained certification as a wastewater treatment 01 operator and currently holds class 03 wastewater collection and class 04 water distribution certificates. In June, Kenny was named the Public Works Operations Manager for the city of Williston.



Mike Hall – Lake Metigoshe Recreation Service District

Mike started working for LMRSD in August 2007 and became manager in 2011. He has been in the plumbing business since 1988 and prior to working in North Dakota he owned a plumbing, mechanical, and fire place retail store in Albuquerque, New Mexico. Mike has been on the Roland Township board for seven years and is focus on updating the LMRSD and handling the expansion of the Lake Metigoshe area. Mike is a class 01 wastewater treatment and wastewater collection operator.



Alice Pekarski – City of Montpelier

Alice was instrumental in implementing the installment of the city water system which began in 1982. She received her class 1A water distribution certification in 2004 and has served as city auditor since 2003. She was a property appraiser for Stutsman County for 29 years retiring in 2009. Along with being city auditor and water operator, Alice is also the organist and financial secretary for her church, teaches piano lessons to ten students, works part time at the post office, and is bookkeeper for the local National Federation of Music club. Her husband Phil calls Alice the “Mother of Montpelier”.



Steve Wieser – City of Richardton

Steve started work for the city in 1972 and as Public Works Superintendent he handles all aspects of water distribution, wastewater collection, and wastewater treatment. Steve repairs and maintains all city equipment, facilities, and grounds. He also serves as Street Superintendent, which includes sweeping, maintenance, and snow removal. He has overseen multiple upgrades to the city water and sewer systems and is a class 01 water treatment, water distribution, wastewater treatment, and wastewater collection operator.

Past Recipients: Operator of the Year Awards

2016	Dane Fuchs, New Salem Brian Harrington, Carrington Grace Rixen-Handford, Southwest Water Authority Jerry Tufte, Glenfield	2013	Darrell Haman, Towner Don Hartman, Wildrose Bradley Moser, Medina Dale Neubauer, Fargo	2010	Wade Hesch, Valley City Mark Peterson, Fargo Donald Wald, Wahpeton Keith Winson, Maddock
2015	Kelly Jemtrud, Velva Barry Schulz, Missouri West Water System John Silvenail, Lisbon Dell Widmer, Kulm	2012	Alan Beyries, Garrison Frank Mosser, Maddock Sam Shutt, Minto Michael Tank, Medora	2009	Dennis Larson, Park River Ken Miskavige, Grafton Gary Neuberger, Beulah Jason Sorenson, Minot
2014	Clary Kruger, Riverdale Wayne Offerdahl, Fargo Lyle Quenzer, South Central Water District Adam Thomas, Washburn	2011	Kent Bickler, R&T Water Supply Mike Houska, Grafton Rick Larson, Rugby William “Bill” McQuiston, Williston	2008	Bill Gefroh, Bismarck Steve Himmelspace, Mandan Richard Jacobson, Hazen Roy Hayes, Hazen
				2007	Duane Golliet, Fargo Raymond Peterson, Fargo Terry Rust, West Fargo Jerome Olson, Traill Rural Water District

2006	Kelly Berentson, Westhope Jerry Imhoff, Elgin Jay Haugen, Michigan	Staff Members of the 136th Quartermaster Battalion North Dakota Army National Guard	City of Grand Forks Water Distribution Operators
2005	Keith Olson, Harvey Bob Weninger, Harvey Ken Blilie, Kindred Del Kindelspire, LaMoure	Staff Members of the 119th Civil Engineering Squadron North Dakota Air National Guard	Ron Borden Darrel Danielson Robert Deitz Perry Hart Jackie Heidric Michael Klemisch David Kratochvil Dennis Kulas Shirley Litchy John Scheffer Mark Skow Peter Stoute Randy Thompson Dwight Wurzbacher Donald Zhorela
2004	Ron Hendrickson, Fargo Pete Bilstad, Fargo Delvin Stemen, Burlington Mark Paddock, Burlington	Operators of Grand Forks-Traill Water Users Randy Loeslie Mike Thompson Neil Breidenbach Ray Rakoczy	
2003	Rick Anderson, Central Plains Water District Keith Fulsebakke, Bottineau Don Horning, Zap	Operators of Agassiz Water Users Gus Cronquist Clark Cronquist	
2002	Arlis Bischoff, Grafton Allan Kraft, Cavalier Doug Neibauer, South Central Regional Water District Gary Zander, Mandan	City of Grand Forks Water Treatment Plant Operators and Employees Brian Borden Jason Coyle Andy Job Greg Batzer Steven Bolton David Brose James Evenson John Ferguson Larry Hadland Erik Johnson, Jr. Richard Jurgens Rodney Kalis Ken Mather Robert Peterson Wayne Tunseth Dan Tupa Craig Lacher Steve Kolar Linda Schumacher Hazel Sletten	City of Grand Forks Wastewater Operators (Storm and Wastewater Departments) Thomas Helle Kenneth Stevenson Peter Aamold Dennis Dunn Robert Fetsch Duane Fontaine Gary Goetz Dennis Gunderson Edward Haskell David Kresel Thomas Mikelson Lawrence Morrison Carl Sherlock Richard Winkels
2001	Verdeen Backstrom, Minnewaukan Jerome Broz, Fairmount Jack Knudson, Jamestown Paul Lacina, Barnes Rural Water		
2000	Tim Gjovig, Crosby Jim Fixen, Alexander Ed Rekkedal, Arvilla Reuben Grosz, Bismarck		
1999	Richard Wanner, Bismarck Tom Sieg, Anamoose Ron Kleven, Grafton Bill Emerson, Minot		1996 Randy Seelig, Lisbon Skip Rapp, Dickinson Larry Thomas, Washburn Gary Hager, Upper Souris Water Users
1998	Bill Link, Walsh Water Users Ross Carter, Sherwood Bob French, Bismarck Terry Leingang, Riverdale		1995 Brad Moser, Medina Les Sigette, McVile Don Olafson, Valley City Charles Jaskowski, Bismarck
1997	Staff Members of the 348th Quartermaster Detachment (Water Purification) United States Army Reserve		1994 Gregg Christensen, Cass Rural Water Users Gordon Johnson, North Valley Water Assoc. Kerry Miller, Stanton Virgil Sund, Oakes

1993 Jeff Huwe, Columbus
Clay Pettys, Lake Metigoshe Recreation
Service Dept.
Richard Resell, Williston

1992 Dave Auch, Mandan
Joel Heitkamp, Southeast Water Users
Michael Schneider, Jr., Strasburg
Joseph Leo Tupa, Grand Forks

1991 Jim Moe, Devils Lake
Lyle Mitzel, Wahpeton
Joe Manning, Fargo
Howard Plum, Maddock

1990 Keith Demke, Bismarck
Rick Gillund, Enderlin
Greg Nordsven, Killdeer
Byron Thronson, Minot

1989 Ed Braunagel, Harvey
Greg Larson, R&T Water Supply
Ingram Opp, New Salem
Dale Townsend, Carrington

1988 David Burckhard, Minot
Ray Feltman, Minto
Dale Hanson, Valley City
Robert Job, Linton

1987 Don Erickson, Watford City
Dave Johnson, Washburn
Marvin Johnson, Jamestown
Harland Peterson, Carrington

1986 Dan Reiter, Minot
Larry Thelen, South Central Regional Water
District
Bill Werle, Velva
Jerry Zander, Mandan

1985 Ray Foss, Hillsboro
Phil Furaus, Harvey
Francis Leintz, Lisbon
LaRay Reis, Lisbon
Dwight Wurzbacher, Grand Forks

1984 Larry Boepple, Halliday
Lester Carman, Bismarck
Joe Roshau, Killdeer
Beven Shaw, Williston

1983 Gary Armstrong, Rolla
Cliff D'Heilly, Neche
Virgil Houim, Rugby
Bud Lund, Bismarck
Arnonld Stokkeland, Cooperstown

1982 Fred Clark, Grafton
Harry Hanks, Beulah
Don Larson, Gwinner
Bill Mendewald, Hankinson
John Muus, Grand Forks

1981 Marvin Baska, Mohall
Alvin Carlson, Langdon
Al Swanson, Jamestown
Gene Thomas, McVile
Casper Volk, Rugby



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89th ANNUAL MEETING OF THE NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

The 89th Annual Meeting of the North Dakota Water and Pollution Control Conference (NDWPCC) was held October 17, 18, and 19, 2017, at the Holiday Inn, Fargo, North Dakota. The annual meeting/convention was held jointly with the North Dakota Chapter of the American Public Works Association (NDCAPWA), the North Dakota Water Environment Association (NDWEA), the 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).

There was a pre-conference AWWA Small Water System Workshop on Emergency Response Planning, Monday, October 16, 2017, from 1:00 p.m. to 5:00 p.m. in the Frontier Room of the Holiday Inn, 3803 13th Ave S, Fargo, ND. The NDAWWA Education and Research Committee was also scheduled at 7:00 p.m., Monday, in the Frontier Room.

Board meetings were held Tuesday, October 17, 2017, by NDAWWA at 7:30 a.m. in the Frontier Room, NDCAPWA at 8:00 a.m. in Embassy A Room, NDWEA at 8:00 a.m. in the Embassy B Room, and Wednesday, October 18, 2017, by NASECA-ND at 8:00 a.m. in the Mezzanine Suite I Board Room. The associations planned their business meetings, gave committee reports, and accepted volunteers for committees. Association business meetings were held Tuesday, October 17th (NDAWWA); Wednesday, October 18th (NDWEA); and Thursday, October 19th (NDCAPWA and NDWPCC).

North Dakota Department of Health (NDDH) Water and Waste Water Certification Exams were written Tuesday, October 17, 2017, from 7:30 to 11:30 a.m. in the Conference Room. Wastewater Operator pH Certification training was held 9:00 to 11:00 a.m. in the Mezzanine Suite III. Registration opened at 8:00 a.m., Tuesday, October 17, 2017, with Patty Carman and Julie Feist welcoming all attendees. A total of 398 preregistered with final attendance being 445.

The Joint Board of Directors of the NDWPCC, NDCAPWA, NDWEA, NDAWWA, and NASECA-ND met at 9:30 a.m., Tuesday, October 17, 2017, in the Executive Room with NDWPCC President Joe Ferguson presiding. The following board members and guests were present: Mike Berg, Mike Brisben, Joe Ferguson, Bill Gefroh, Rick Gillund, Dallas Grossman, Kellan Grubb, Marty Haroldson, Shawn Heinle, Jeff Heintz, Barry Johnson, Mitch Kannenberg, Jasper Klein, Jim Lennington, Wei Lin, Jennifer Malloy, Lance Meyer, Dennis Miranowski, Tim Paustian, Michael Quamme, Dustin Scott, Luci Snowden, Matt Sperry, Jess Wagner, Don Wald, Terry Walters, Tim Williams, Adam Zach, and Gary Zuroff.

The meeting was called to order at 9:34 a.m. by NDWPCC President Joe Ferguson. Copies of the meeting agenda and January 1 through October 12, 2017, financial report was provided to those in attendance.

The first order of business President Ferguson called for a motion to dispense with the reading of the minutes from the May 17, 2017 minutes and approve the copy mailed to all board members. Lance Meyer so moved, Rick Gillund seconded, and the motion carried.

Next, President Ferguson called for the Treasurer's Report. Shawn Heinle read the 2017 NDWPCC financial report, which showed a net gain of \$39,874.01 and total assets of \$185,716.21. Mr. Heinle noted another expense of \$20,227.63, a correction for past QuickBooks inconsistent entries, and \$36,121 in undeposited funds, which were not included in the January 1 through April 30, 2017 report. President Ferguson asked for any discussion. Hearing none, President Ferguson called for a motion to approve the Treasurer's Report. Michael Quamme so moved, Gary Zuroff seconded, and the motion carried.

Next, President Ferguson called for any old business. Mr. Heinle mentioned the dates and locations of the upcoming Conferences, Grand Forks in 2018 and Bismarck in 2019. Mr. Grubb indicated that there were four poster entries in the YP contest and four judges to evaluate the posters. Mr. Heinle said the entertainment for the YP social was an improv group called the Line Benders. No further old business.

President Ferguson called for new business. First, Mr. Ferguson asked for volunteers to serve on the nominating committee. Wei Lin, Bill Gefroh, and Michael Quamme volunteered. Also, the auditing committee needed three volunteers. Jess Wagner, Bill Gefroh, and Rick Gillund volunteered. President Ferguson then asked for nominations of Life Membership, Bill Gefroh made the motion to nominate Mike Brisben, Michael Quamme seconded the motion. The vote will occur at the business meeting on Thursday, October 19th. Mr. Heinle indicated the conference activities could be found in the orange packet found in everyone's conference folder.

President Ferguson then called for a motion to adjourn. Motion made by Mike Brisben, seconded by Adam Zach. Meeting adjourned.

The meeting adjourned at 9:51 a.m.

Water samples for the 26th Annual Water Taste Test, sponsored by NDAWWA were accepted throughout the day Tuesday with ten public water systems competing. The Tuesday luncheon and NDAWWA business meeting were held in the Sterling and Crowne Rooms with NDAWWA Chair, Wade Hesch, presiding. Fargo Mayor, Dr. Tim Mahoney, welcomed all attendees on behalf of Fargo and Rick Gillund, President, NDCAPWA, welcomed all on behalf of the joint boards. Guest speaker, Mitch Kannenberg, Vice President, AWWA, updated the members on AWWA national activities.

The annual golf tournament was held at the Rose Creek Golf Course in Fargo, with Karla Olson and Kellen Grubb handling local arrangements.

The Tuesday afternoon concurrent sessions started at 1:30 p.m. and the Fargo facility tours at 2:00 p.m. with Adam Zach, Trustee, NDAWWA; Wei Lin, WEF Delegate, NDWEA; and Luci Snowden, Board Member, NASECA-ND, moderating. Ninety-five attendees participated in the public works facility tours.

The three sessions were held in the Dakota Hall, the Harvest Hall Executive and Board Rooms, and the Harvest Hall Directors and Conference rooms. Tuesday's topics included:

"Water Treatment Chemistry" – Delvin DeBoer, Project Manager, AE2S.

"Lessons Learned Using Trenchless Technologies for Challenging Water Main Installation" – Jade Berube, Project Manager, Apex Engineering Group.

"Ghosts in the Machine: Trouble Shooting Strategies to Diagnose Electrical and Control System Problems" – Kyle Koterba, Lead Electrical Engineer, Apex Engineering Group.

"Water Storage Tank Selection" – Doug Whitney, Senior Engineer, KLJ.

"SRF Update" – David Bruschwein, DWSRF Program Manager, NDDH.

"Case Studies on De-Classifying Plant Areas to Meet Fire Protection Code NFPA 820." – Eric Miller, Senior Engineer, SEH.

"Dewaterability & Bio-P and Dewatering Optimizations" – Mario Benisch, Process Engineer, HDR.

"Bismarck Wastewater Plant H₂S Control" – Emily Von Hagen, Kristopher Knutson, Ricardo Zamora, and Heather Yelle, WEFTEC Design Team.

"WEF Update" – Tim Williams, Deputy Executive Director, WEF.

"Wastewater Emergency Preparedness" – Karl Rock, Director, Division of Water Quality, NDDH.

"Regional Partnership and Infrastructure Update" – Nathan Boerboom, James Hausauer, Troy Hall, City of Fargo, and Chris Brungardt, City of West Fargo.

"Analyzing a Gravity vs. Pump Storm Sewer System" – Thomas Johnson, Senior Water Resource Engineer, and Emily Huettle, Civil Engineer, Ackerman-Estvold.

"Urban Plains – Integration of Parks and Stormwater Management" – Brian Gaddie, AE2S

"Large Scale Capital Improvements" – DelRon Peters, Senior Wastewater Project manager, HDR

"2nd Street/Downtown Fargo Floodwalls" – Randy Engelstad, Project Manager, Houston Engineering.

The 3:00 p.m. break was held at the Pool Patio with all breaks sponsored by the business firms, vendors, and commercial suppliers listed in the program. A Tuesday YP Social was held from 6:30 to 8:00 p.m. in the Harvest Hall with Line Benders providing entertainment from 8:00 to 9:00 p.m. Special thanks to the exhibitors for sponsoring this event.

Early set up for the 29th Annual Exhibitor Program was from 4:00 to 10:00 p.m. on Tuesday in the Great Hall. Late set up was from 6:30 to 7:30 a.m. on Wednesday, October 18, 2017. Display hours were from 7:30 to 11:30 a.m. with 69 firms/suppliers reserving 77 booths. A breakfast buffet sponsored by the exhibitors was held from 8:00 to 10:00 a.m. along with a breakfast buffet poker game. Poker hands were turned in at the NDWEA booth and the registration table, with winners announced at the Wednesday, NDWEA, business luncheon. Poker dealers included Ackerman-Estvold; AE2S; Apex Engineering Group; KLJ; EJ Iron; Moore Engineering; NDRWSA, and Opworks. The following business firms, suppliers and associations participated in the exhibitor program: NDAWWA, NDWEA, NDCAPWA, NAESECA-ND, Ackerman-Estvold; DSG; Larson Data; Tech Sales; Quality Flow Systems; Normont Equipment; Electric Pump, Inc.; Flexible Pipe Tool Company; Bartlett & West; Enpro, Inc.; Vessco; KLM Engineering; Public Works Sales Holdings; Hawkins; Widseth Smith Nolting; Swanston Equipment; Bolton & Menk; EJ; NDRWSA; Ferguson Waterworks; American Pipe; Thein Well; Moore Engineering; NBS Calibrations; Kodru-Mooney; Public Finance Authority/NDDH SRF; KLJ; American Flow Control; Sanitation Products; Tnemec/Coating Resources; Sweeney Controls Co.; Interstate Engineering; NDSU/NDLTAP/UGPTI; General Repair Service; Treatment Resources; Fischer, Harris, and Assoc.; Houston Engineering; Ferguson Power Pump, Inc.; AE2S; HDR; Wells Concrete; Ulteig Engineering; ND Sewage Pump & Lift Station Service; Team Lab; Terracon Consultants; Red Flint Sand & Gravel; HD Supply Waterworks; American AVK; Engineered Sales; OpWorks; Victaulic; Advanced Drainage Systems; Brock White Company; Great Northern Environmental; Worley Marketing Group; Legette, Brashears & Graham; MVTL Laboratories; Northern Pipe Products; Water Smart; Apex Engineering Group; Community Water Solutions; ABM Equipment; Dakota Pump and Control; SEH; MNX Inc.; and Advanced Pump & Equipment, Inc.

The NDWEA luncheon and business meeting was held at 12:00 noon on the Pool Patio with NDWEA President, Michael Quamme, presiding. Also, Guest Speaker, Tim Williams, Deputy Executive Director, WEF, updated the members on WEF activities.

Next, Marty Haroldson, President, NDWEA announced the winning poker hands and handed out the cash prizes.

The Wednesday concurrent sessions started at 1:30 p.m. with Mike Berg, Chair-Elect, NDAWWA; Jess Wagner, Past President, NDWEA; and Dallas Grossman, Treasurer, NASECA-ND moderating.

Wednesday's topics included:

“Current Events for Lead in Drinking Water” – Amy Kinzler, Environmental Scientist, NDDH.

“Groundwater Issues and Solutions” – Brian Bergantine, Operations Manager, AE2S.

“Pipe Standard Installation Practices” – Joe Zauner, Sales engineer, American Cast Iron Pipe.

“Drought Management” – Troy Hall, Water Utility Director, City of Fargo; Jacob Strombeck, Project Manager, AE2S.

“Gimmicks and Gadgets Panel Discussion” – Gary Zuroff, City of Dickinson; Brad Stieg, City of Dickinson.

“AWWA and North Dakota” – Mitch Kannenberg, Vice President, AWWA.

“Membrane Replacement” – Don Wald, City of Wahpeton.

“Improved anaerobic Digester Performance” – Seth Lynne, Associate, Apex Engineering Group; Don Tucker, Wastewater Superintendent, City of Fargo.

“Wipes and FOG Public Education” – Bill Gefroh, Lab & Pretreatment Manager, City of Bismarck.

“Harmful Algal Blooms” – Gary Zuroff, Public Works Director, City of Dickinson; Karl Rockeman, Director, Division of Water Quality, NDDH.

“Resource Recovery” – Karla Olson, Associate/Project Manager, Apex Engineering Group.

“Electrical Safety” – Luke Lindberg, Human Resource Coordinator, City of Fargo.

“Watershed Master Planning – On Site vs. Regional Facility.” – Jeff Hruby, Civil Practices Director, AE2S.

“Regulatory Update” – Patricia McQueary, ND Regulatory Program Manager, USACE

“Working with the Media” – Tom Jirik, Communication Coordinator, UGPTI.

“FM Area Diversion Project Update” – Eric Dodds, Program Manager, AE2S.

“Buffalo River Restoration Project” – Erik Jones, Project Manager, Houston Engineering.

“Snow Management and Spring Clean-up” – Jeff Heintz, City of Bismarck; Mark Williams, City of Fargo; Chad Zander, City of West Fargo; Kevin Morlan, City of Fargo; Terry Halstengard, City of Bismarck.

Attendees met at 3:00 p.m. at the Pool Patio for an afternoon break.

A social hour was held from 5:30 to 6:30 p.m. at the Pool Patio prior to the awards banquet. The following companies graciously sponsored the social hour, door prizes, coffee breaks, and golf tournament: ABM Equipment and Supply, AE2S, Apex Engineering Group, Bolton & Menk, EJ, Electric Pump, Fergus Power Pump, Ferguson Waterworks, Hawkins, Houston Engineering, Interstate Engineering, KLJ, Killoran Trucking & Brokerage, KLM Engineering, Kodru-Mooney, Moore Engineering, ND Sewage Pump & Lift Station Service, Quality Flow Systems, Terracon Consultants, and Vessco.

The annual banquet and awards ceremony was held in the Great Hall with 261 members and guests in attendance. Darin Selvig served as master of ceremonies introducing the officers and dignitaries at the head table and calling on Terry Rust to deliver the invocation.

After dinner, Mr. Selvig called on the visiting dignitaries to present the 2017 awards. Mitch Kannenberg, Vice-President, AWWA presented the Fuller Award to Wei Lin, Associate Professor of Civil Engineering, NDSU, and the Operator Meritorious Award to Richard Jacobson, Waterworks Superintendent, City of Hazen.

Then Adam Zach, NDAWWA, announced Marina Martin as the 2017 poster winner.

Next, Mr. Zach indicated that ten public water systems participated in the 26th Annual Water Taste Test with the City of Lisbon being the 2017 winner.

Next, Tim Williams, Deputy Executive Director, WEF, provided a brief update on WEF activities and presented Seth Lynne, Associate, Apex Engineering Group, the Arthur Sidney Bedell Award. Then Mr. Williams presented the Hatfield Award to Jeff Hoff, Operator, City of Fargo. Finally, he presented Karla Olson, Associate, Apex Engineering Group, the WEF Delegate Service Award.

Next, Dustin Scott, Vice President, NDCAPWA, announced the 2017 APWA Project of the Year Awards with the City of Finley and Moore Engineering receiving the small system award and the City of Fargo and Apex Engineering receiving the large system award.

Next, Shawn Heinle, NDDH, presented Operator of the Year Awards to Kenny Bergstrom, Public Works Manager, City of Williston; Mike Hall, Operator, Lake Metigoshe Recreation Service District; Alice Pekarski, Water Operator, City of Montpelier; and Steve Wieser, Water and Wastewater Operator, City of Richardton.

The Annual Public Works Directors' and City Engineers' meeting was held Thursday, October 19, 2017, at 7:30 a.m. in the Mezzanine IV Room.

The three Thursday morning concurrent sessions started at 8:00 a.m. with David Bruschwein, Secretary, NDAWWA; Karl Rockeman, Past President, NDWEA; and Rick Gillund, President, NDCAPWA moderating.

Thursday's topics included:

"TMBC Membrane System" – Dan Heitzmann, Civil Engineer, Houston Engineering.

"Minot Water Treatment Plant and Hazard Mitigation Project" – Alan Kemmet, Principal/Project Engineer, Houston Engineering.

"Regional Aquifer Mapping and Ground Water Sustainability" – Mike Plante, Associate/Hydrogeologist, Leggette, Brashers and Graham; Mitch Kannenberg, Associate Vice President, Leggette, Brashers, and Graham.

"What's in Your Pint" – Scott Schaefer, Wastewater Practice Leader, AE2S.

"Phosphate in Drinking Water" – Bill Gefroh, Lab & Pretreatment Manager, City of Bismarck.

"Williston WRRF" – Jason Benson, Project Manager, AE2S.

"Integrating Digester Improvements with Enhanced Energy Recovery" – Kathy Crowson, Sr. Wastewater Operations Specialist, SEH

"Odor and Corrosion Control" – Michael Quamme, Project Engineer, Apex Engineering Group.

"Planning for a Regional Wastewater Treatment Facility" – Jim Hausauer, Waste Utility Director, City of Fargo; Karla Olson, Project manager, Apex Engineering Group.

"Jet Cleaning, Televising, Inspection, and Repair Panel Discussion" – Gary Zuroff, City of Dickinson; Kyle Price, City of Dickinson; Jeron Fueller, City of Bismarck; Terry Rust, City of West Fargo.

"Applied Risk to Prioritize Sanitary Lift Station Improvements" – Kellen Grubb, Project Engineer, AE2s; Don Tucker, Wastewater Superintendent, City of Fargo.

"GIS for Public Works Employees" – Jim Mertz, GIS Specialist, Bolton & Menk.

"ND Stormwater Criteria Manual/Regulatory Update" – Dallas Grossman, Environmental Engineer, NDDH.

"Confined Space and Excavation Safety" – Bill Wuolu, Safety Representative, KLJ.

A break was held at the Pool Patio at 10:00 a.m.

The joint business meetings and luncheon of the NDCAPWA and NDWPCC were held at 12:00 noon Thursday, October 19, 2017, with the NDCAPWA President Rick Gillund and NDWPCC President Joe Ferguson presiding. President Gillund opened the NDCAPWA meeting at 12:10 p.m. with Chuck Abel giving the NDCAPWA financial report and President Gillund announcing the slate of officers.

President Ferguson called the NDWPCC meeting to order at 12:24 p.m. As the first order of business President Ferguson called for a motion to dispense with the reading of the minutes from the 2016 annual meeting in Minot and approve the minutes as published in the Official Bulletin, October-December 2016, Volume 104, Numbers 10-12. Chuck Abel so moved. Seth Lynne seconded, and the motion carried.

Next, Mr. Heinle presented the 2017 NDWPCC financial report, showing a net income of \$39,894.01 and total assets of \$185,736.21. President Ferguson, called for a motion to approve the financial report. Bill Gefroh so moved. Dan Jonasson seconded, and the motion carried.

President Ferguson then asked if there was any discussion on the changes to the conference resolutions displayed by the registration table. Hearing none, President Ferguson then asked for a motion to accept the resolutions. Jacob Schafer so moved. Karla Olson seconded. Motion passed.

Next, President Ferguson nominated Mike Brisben from Bismarck for life membership. President Ferguson called for other nominations from the floor. Hearing none, President Ferguson called for a motion to close nominations and the secretary be instructed to cast a unanimous ballot. Kellen Grub so moved. Karla Olson seconded, and the motion carried.

Next, Chair of the Nominating Committee, Wei Lin, read the slate of officers received from the nominating committee:

Tracy Eslinger, President
Mike Berg, President-Elect
Wei Lin, Vice-President
Jacqueline Melcher, Director
Jim Lennington, Director
Lance Meyer, Director
Michael Quamme, Director
Tom Scott, Associate Director
Shawn Heinle, Secretary-Treasurer

President Ferguson called for other nominations from the floor. Hearing none, President Ferguson called for a motion to close nominations and the secretary to cast a unanimous ballot. Bill Gefroh so moved. Doug Thingstad seconded, and the motion carried.

Next, President Eslinger presented outgoing President Ferguson the NDWPCC President's Service Award and thanked him for his dedicated service.

President Eslinger called for a motion to close the meeting. Seth Lynne so moved. Lance Meyer seconded, and the 89th Annual Meeting of the NDWPCC adjourned at 12:44 p.m., Thursday, October 19, 2017.

Respectfully submitted,
Shawn Heinle
Secretary-Treasurer

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Delegate Service Award / Project Of The Year Awards



Karla Olson has held various leadership positions within the North Dakota Section of the Water Environment Association, North Dakota Water & Pollution Control Conference and the Water Environment Federation. She is a past president of the both the North Dakota Water Environment Association and the North Dakota Water & Pollution Control Conference. It is our honor in recognizing Karla, her years of service and contributions as the North Dakota Delegate for the Water Environment Federation.

Karla graduated from the University of North Dakota with a Bachelor's Degree in Civil Engineering and a Master's Degree in Environmental Engineering. After college, she was employed by S.E.H. in St. Paul, Minnesota, before returning to Fargo in 2005. In 2010, she helped form Apex Engineering Group where she is currently employed as an Associate Partner and Project Manager in the Water Group. Her project management, design and planning experience includes all aspects of wastewater collection, conveyance and treatment.

She was raised in Buffalo, North Dakota, and graduated from Maple Valley High School. She met her husband, Josh, while working as an engineering intern for the Cass County Highway Department. They were married in 2002 and currently reside in Horace, North Dakota, with their two sons, Noah (12) and Kaden (10). When Karla isn't designing wastewater treatment facilities, she enjoys golf, spending time with family and friends, and watching her sons' baseball and football games.

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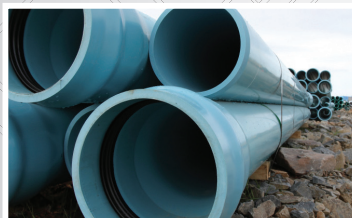
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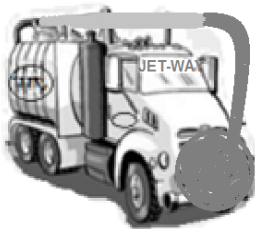
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STATE OF NORTH DAKOTA

**CAPACITY DEVELOPMENT
REPORT TO THE GOVERNOR**



Prepared by

Division of Municipal Facilities

Environmental Health Section
North Dakota Department of Health
September 2017

TABLE OF CONTENTS

REPORT PURPOSE	1
INTRODUCTION	1
OBJECTIVES OF NORTH DAKOTA’S CAPACITY DEVELOPMENT STRATEGY	2
New Systems Program	2
Existing Systems Program	3
ACCOMPLISHMENTS	4
Tracking New Water Systems/New Operators	4
Financial and Managerial Planning	4
Technical Assistance	5
Water Rate Studies	5
Funding	5
Operator Training and Certification	5
CHALLENGES	6
THE WAY FORWARD	7

REPORT PURPOSE

The North Dakota Department of Health (department) administers the federal Safe Drinking Water Act (SDWA) and the Drinking Water State Revolving Loan Fund (DWSRF) Program in North Dakota. Section 1420 (c)(3) of the SDWA requires that the department must report the effectiveness of its capacity development program to the governor every three years. Capacity refers to a water system's technical, managerial and financial capability to maintain SDWA compliance. Failure by the department to provide such a report will result in a 20 percent withholding of subsequent fiscal year federal grant funds for the DWSRF Program.

INTRODUCTION

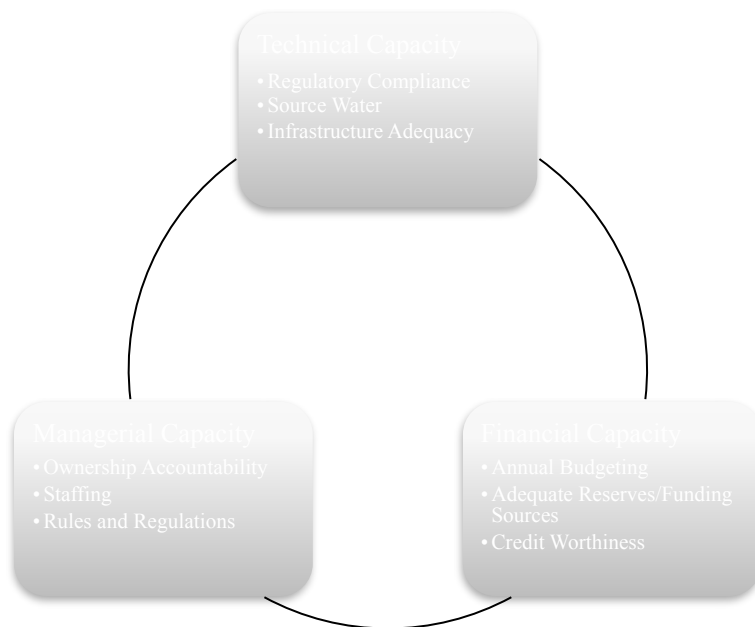
The 1996 Amendments to the SDWA acknowledged that a capable water system is better positioned to consistently comply with applicable standards and provide safe and reliable water service. Congress recognized that protection of the public's water supply requires ongoing compliance with the operation and maintenance of public water system (PWS) facilities. The term "capacity development" was used to describe capability. The fundamentals of capacity are to: (1) protect public health by ensuring consistent compliance with drinking water standards; (2) enhance performance beyond that of compliance through measures that bring about efficiency, effectiveness and service excellence; and (3) promote continuous improvement through monitoring, assessment and strategic planning.

Capacity has three components: technical, managerial and financial (Figure 1). Adequate capacity in all three areas is necessary for a system to have "capacity."

Technical capacity refers to the physical infrastructure of the water system including, but not limited to, the adequacy of source water, infrastructure adequacy (source, treatment, storage and distribution), and the ability of system personnel to implement the proper technical knowledge. *Managerial capacity* includes ownership accountability, adequate staffing and organization, and an understanding of the rules and regulations. *Financial capacity* refers to the financial resources of the water system including, but not limited to, the revenue sufficiency, credit worthiness, and fiscal management and controls.

Section 1420 of the SDWA requires that states develop and implement a strategy to assist PWSs in acquiring and maintaining technical, managerial and financial capacity.

Figure 1
Water System Capacity



OBJECTIVES OF NORTH DAKOTA'S CAPACITY DEVELOPMENT STRATEGY

The capacity development strategy has two separate programs--one for new systems and one for existing systems. Even though there are two programs, the underlying objectives of both are the same. The major objectives of North Dakota's Capacity Development Strategy are:

- Prioritization of systems most in need
- Assessment of system capacity
- Developing programs to assist systems with SDWA compliance
- Encouraging partnering between systems
- Measuring success

New Systems Program

All new North Dakota community water systems (CWSs) and non-transient non-community water systems (NTNCWSs) are required to demonstrate technical, managerial and financial capability (capacity) prior to commencing operation. CWSs are PWSs that serve year-round residents such as municipalities, rural water systems, subdivisions and mobile home parks. NTNCWSs are PWSs that serve the same people for a minimum of six months per year (e.g., rural schools, power plants and industrial parks). New system guidelines are outlined in the *New Water System Capacity Assessment Manual* and the *New System Capacity Assurance Plan*. North Dakota's new system strategy was approved by the U.S. Environmental Protection Agency (EPA) in September 1999. The department was granted the authority to ensure new system capacity under North Dakota Century Code (NDCC) Chapter 61-28.1, Safe Drinking Water Act, by the 55th Legislative Assembly in 1997. The department provided to EPA the North Dakota Attorney General's written opinion certifying the department's authority to ensure all new CWSs/NTNCWSs commencing operation after October 1, 1999 demonstrate capacity with respect to SDWA regulations or regulations likely to be in effect on the date operation commences.

Pursuant to NDCC 61-28.1, the department adopted North Dakota Administrative Code (NDAC) Article 33-17, Public Water Supply Systems. These regulations, originally adopted in 1977 and last amended in 2016, provide a means to implement a capacity assurance program. Based on such authority, proposed new PWSs must provide a number of assurances as part of the plans and specification approval process.

The department requires: (1) plans and specifications be submitted for review and approval prior to construction; and (2) operation not commence until a letter of approval is issued. These primary control points allow the department to ensure the capacity of new systems prior to their development. To obtain a letter of approval, the PWS must provide:

- A new water system application
- An operation plan that includes a technical, managerial and financial plan
- Plans and specifications
- A construction schedule
- Sample results for each water source
- A notice of completion
- An operation and maintenance manual (if deemed necessary by the department)

Existing Systems Program

The *North Dakota Existing Water System Capacity Strategy* details the steps taken to implement and maintain a capacity program. This strategy aims to help all North Dakota PWSs acquire and maintain capacity. The North Dakota strategy was approved by EPA and implemented prior to August 1, 2000. The SDWA required states to consider each of five programmatic elements in its capacity development. The department included all five elements in its existing water system capacity document and believes that together they constitute an effective strategy.

- Element A: Methods or criteria used to prioritize systems in need of technical, managerial and financial assistance
- Element B: Factors encouraging or impairing capacity development
- Element C: Description of how states will use the authority and resources of the SDWA
- Element D: Establishment of a baseline and measurement of improvements
- Element E: Identification of stakeholders

Factors encouraging and impairing capacity remain the same. Enhancements include federal funding, Division of Municipal Facilities (DMF) administration, state primacy and stakeholder involvement.

The DMF uses pertinent existing programs as a baseline to identify PWSs that lack capacity and are in danger of becoming a compliance problem. The point system developed for the existing capacity strategy utilizes SDWA compliance data, operator certification deficiencies, inspection reports, DWSRF financial audits and laboratory past-due accounts to evaluate capacity. PWSs accumulating 10 points or more and having the greatest impact on public health are prioritized beginning with the highest number. PWSs with a history of significant noncompliance (SNC) automatically receive 10 points, making them candidates for immediate assistance.

ACCOMPLISHMENTS

Several tools are being utilized to implement the capacity development strategy. These tools, which are discussed below, include tracking new water systems/new operators, financial and managerial planning, technical assistance, water rate studies, funding, and operator training and certification.

Tracking New Water Systems/New Operators

The DMF tracks new water systems through individuals contacting the DMF, local/district health units, existing PWSs, financial assistance contracts, engineering firms and other state agencies. The department has determined that the present method of identifying and contacting proposed systems is effective and will continue using it.

Currently, the number of new CWSs/NTNCWSs added to the North Dakota PWS inventory has been on the decrease, especially in the western part of the state, due to the large drop in oil activity. New developments (subdivisions, trailer courts, industries, etc.) generally occur adjacent to or within the service areas of existing PWSs and are typically consolidated with or

provided bulk water service by the existing PWS. A total of six requests for new water system capacity information have been received since July 1, 2014.

Financial and Managerial Planning

Financial and managerial training is a collaborative effort between the North Dakota Rural Water Systems Association (NDRWSA), Midwest Assistance Program (MAP), University of North Carolina Environmental Finance Center, North Dakota Department of Health and Public Finance Authority (PFA). The intent of the financial and managerial training is to provide participants with a solid understanding of the key components of financial planning including the following:

- Elements of an effective budget
- Capital improvement planning and financing
- Rate structure options for the small water system
- How to calculate capacity fees
- Process for raising fees
- Asset management
- Demonstration of financial tools

Technical Assistance

Helping water systems develop and maintain capacity is the backbone of the capacity strategy. Many water systems throughout North Dakota have increased their capacity through the technical assistance program. This program provides “targeted” assistance by focusing on specific issues or problem areas. The department collaborates with the same organizations for technical assistance as with financial and managerial planning.

Water Rate Studies

Analysis of the data collected during capacity evaluation revealed many water systems are weak in financial capacity. Assistance has been provided to help water systems evaluate their budgets and water rates. Each utility has unique needs whether they have declining populations, operating deficits, eroding infrastructure, limited funding or complex SDWA requirements. Since many small water systems are facing rate deficiencies, the technical assistance provider identifies options for rate increases or reduction of expenses or rate restructuring. The water system is provided with various methods for calculating base rate, capacity fees and connection fees. Assistance is also provided for presenting rate increase information to customers at public hearings and the governing board.

Funding

The North Dakota DWSRF provides low-interest loans to CWSs in the state to upgrade existing or construct new drinking water facilities, as was authorized by the 1996 Amendments to the SDWA. The DWSRF is jointly managed by the department and the PFA. The department receives the federal capitalization grants and is responsible for the technical and overall

administrative functions of the program. The PFA, under agreement with the department, serves as the financial agent and is responsible for reviewing and issuing bonds, reviewing the financial capability of loan applicants, investing program proceeds, handling loan repayments and conducting other necessary financial functions.

The grant funds and bond proceeds are deposited into the DWSRF and made available as low-interest loans for eligible PWS projects. As systems pay back their loans, the interest and principal payments, along with available investment earnings, are used to retire the state bonds. They are a source of funds for additional projects as well. This revolving feature of the DWSRF Program will ensure that North Dakota has funds for needed projects into the future.

The present loan interest rate for eligible PWSs that qualify for tax-exempt financing is 1.5 percent. The present loan interest rate for eligible PWSs that do not qualify for tax-exempt financing is 2.5 percent. All loans are subject to a 0.5 percent administration fee. The maximum repayment period for DWSRF loans under the SDWA is 30 years.

Operator Training and Certification

The department contracts with the North Dakota State Plumbing Board, local/district health units, and technical assistance providers such as the NDRWSA and MAP. Contracts with the State Plumbing Board and health units provide continued support to the public water supply and inspection programs. Technical assistance providers offer operator certification training. In addition, NDRWSA, MAP and the North Dakota Section of the American Water Works Association (NDAWWA) will continue to provide additional training events.

Operators have opportunities to attend annual conferences, water treatment and distribution workshops, DMF wastewater treatment and collection training sessions, field pH certification workshops, NDAWWA workshops, MAP trainings, and NDRWSA training sessions and annual exposition. In 2016, 852 operators attended training which addressed operator certification, exam training, water treatment training, financial training, distribution training, O & M training, department regulatory training and GIS/GPS training.

CHALLENGES

The experience, training and background of water system managers, operators and board members are directly linked to the capacity of a water system. Water systems led by a capable, experienced manager and supported by a competent and progressive governing board tend to have high capacity in all areas.

Despite the maturing of North Dakota's Capacity Development Program, there are still some significant areas of weakness in rural and oil-impacted areas of North Dakota. These areas of weakness derive from all three aspects of capacity.

The following are the department-identified areas of capacity weakness:

1. Aging workforce. There have been several published reports regarding the aging workforce in the water industry and the lack of qualified professionals to succeed those retiring.
2. Salaries. Due to the competition in the marketplace, small water systems typically do not offer enough money to attract experienced operators and managers. They will usually find someone less qualified who will work for a lower wage.
3. Stagnant or declining pool of new professionals. Educational programs that promote the water industry and adequately prepare new professionals are limited in North Dakota. The one program that is available in the state struggles to attract students. Many operators and managers learn on the job and start at the entry level with little or no formal education or preparation. Some water systems are functioning without a certified water operator or continue to use a contract operator that provides minimal local service.
4. Board members without utility backgrounds. Some communities struggle to find enough individuals to serve on a board. Many board members lack a fundamental understanding of water system operations, finance and management.
5. PWS ownership. Increasingly, public water systems are owned and/or operated by out-of-state entities. Such entities tend to be unresponsive or slow to address capacity issues.
6. Mail and package delivery in oil-impacted areas. Mail and package delivery to public water systems in oil-impacted areas has been problematic. Alternate, costlier delivery services are becoming increasingly necessary to ensure that correspondence and water sampling kits can be delivered within acceptable timeframes.
7. Laboratory impacts. Changes in EPA methodology, which requires new laboratory certifications and instrumentations, have caused a delay in the DMF normal 3-year cycle of samples. Compliance has not been affected.

THE WAY FORWARD

As the program grows and evolves, there have been many lessons learned. These lessons have resulted in a program that continues to improve and better serve the needs of North Dakota's water systems.

While all systems are unique, most water systems in North Dakota still need assistance with some aspects of capacity. Full-cost pricing is required for a water system to fully function as it

should. Operation and maintenance activities, such as valve exercising and routine flushing, are also important to extending the life of the infrastructure.

Proper management of infrastructure assets is one of the critical concepts for a sustainable and resilient water system. Although the concept of managing assets is relatively simple, many water utilities do not understand how to design and implement an effective asset management program. Managing a utility effectively requires a proactive approach to managing infrastructure assets. The primary objective of asset management is to manage system assets in a way that meets long-term service requirements, reliability and cost-effectiveness. Future technical assistance efforts will continue to include asset management training and assistance.

The department will continue to measure capacity improvements by monitoring new system activity and by using operator certification compliance reports, PWS inspection reports and the Enforcement Tracking Tool (ETT), which tracks each system's compliance with all SDWA rules. The department encourages a collaborative effort with stakeholders to promote safe drinking water, public health and quality of life.

Stakeholder involvement continues to be a key element in program success. DMF staff and the North Dakota Water and Pollution Control Conference (NDWPCC) offer annual operator training sessions to help PWSs achieve and maintain capacity. The NDWPCC also jointly sponsors an annual conference with the North Dakota Water Environment Association, NDAWWA, the North American Storm Water and Erosion Control Association, and the North Dakota Chapter of the American Public Works Association. The NDRWSA, MAP, and the North Dakota Environmental Health Association also provide annual training sessions, conferences and expositions.

The department continues to contract with the North Dakota State Plumbing Board, local/district health units, and technical assistance providers such as MAP and NDRWSA. These contracts provide support to the public water supply, facility inspections, sanitary survey follow-up visits, capacity development and operator certification programs. The department will continue to grant follow-up contracts for these assistance programs to ensure the safety of North Dakota's drinking water.

To further promote stakeholder involvement, the *Capacity Development Report to the Governor* and the *FY17 Capacity Development Program Report* will be published in the *Official Bulletin*, the official publication of the NDWPCC. The *Capacity Development Report to the Governor*, *New Water System Capacity Assessment Manual* and *North Dakota Existing Water System Capacity Strategy* are available on the department website at: <http://www.ndhealth.gov/MF/>.

All reporting requirements have been met for fiscal years 2014-2017. Contracts for technical assistance have been renewed, and a proposal for follow-up assistance in 2018 is anticipated.

The department will continue to monitor existing systems, while providing consultation, training and financial recommendations. Implementation of new SDWA regulations affecting capacity

will be evaluated as needed. Any modifications resulting from these regulations will be detailed in future reports. Currently, 97 percent of all PWSs meet all health-based drinking water standards by utilizing treatment and source water protection. This is above the EPA goal of 90 percent. In addition, 100 percent of all PWSs have undergone a sanitary survey in the past three years, well above the 75 percent target.

“Water system capacity is the ability to plan for, achieve and maintain compliance with applicable drinking water standards. Capacity has three components: technical, managerial and financial. Adequate capacity in all three areas is necessary for a system to have capacity.”



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BISMARCK, ND 58506

GILBERTSON ERIK
KLJ
4585 COLEMAN ST.
PO Box 1157
BISMARCK, ND 58502-1157

GILLUND RICK
CITY OF ENDERLIN
411 RAILWAY ST.
ENDERLIN, ND 58027

GIULIANI BILL
ND DEPARTMENT OF
HEALTH
918 E DIVIDE AVE. 4TH
FL.
BISMARCK, ND 58501-1947

GLASS BRAD
CITY OF MANDAN
411 6TH AVE SW
MANDAN, ND 58554

GLEICH CASEY
NDDOH
918 E. DIVIDE AVE 4th
FL
BISMARCK, ND 58501

GLIENKE BARRY
BOLTON & MENK, INC.
3168 41ST STREET S, STE 2
FARGO, ND 58104

GLUDT NICK
MOORE ENGINEERING,
INC.
925 10TH AVENUE EAST
WEST FARGO, ND 58078

GOETZ FRED
CITY OF GRAND FORKS
503 S 4TH ST
GRAND FORKS, ND 58201

GORES PAULA
MVTL
2616 EAST BROADWAY
AVE
BISMARCK, ND 56073

GORR JASON
COMMUNITY WATER
SOLUTIONS
7542 SCENIC OVERLOOK
DRIVE
BREEZY POINT, ND 56472

GORRES JAMES
CITY OF NORTHWOOD
12 N RAYMOND ST.
PO BOX 397
NORTHWOOD, ND 58240

GRAFSGAARD
MICHAEL
CITY OF DEVILS LAKE
PO BOX 1048
DEVILS LAKE, ND 58301

GRASSER ALLEN
CITY OF GRAND FORKS
PO BOX 5200
GRAND FORKS, ND
58206-5200

GRONVOLD CODY
APEX ENGINEERING
GROUP
4733 AMBER VALLEY
PARKWAY
FARGO, ND 58104

GROSS DAVID
CITY OF MANDAN
205 2ND AVE NW
MANDAN, ND 58554

GROSSMAN DALLAS
NORTH DAKOTA
DEPARTMENT OF
HEALTH
918 E DIVIDE AVE
BISMARCK, ND 58501

GRUBB BRUCE
CITY OF FARGO
435 14TH AVENUE SOUTH
FARGO, ND 58102

GRUBB KELLEN
AE2S
4170 28TH AVE S
FARGO, ND 58104

GRZADZIELESKI JASON
CITY OF MANDAN
4455 PRESTON LOOP
BISMARCK, ND 58504

HAIDER TONI
SEH
4719 SHELBURNE ST.,
SUITE 6
BISMARCK, ND 58503-5677

HALL MIKE
LAKE METIGOSHE REC.
SERV.
332 LAKE METIGOSHE
PARK
BOTTINEAU, ND 58318

HALL TROY
CITY OF FARGO
435 14TH AVENUE SOUTH
FARGO, ND 58102

HALSNE JASON
CITY OF FARGO
435 14TH AVENUE S
FARGO, ND 58103

HALSTENGARD TERRY
CITY OF BISMARCK
601 S 26TH ST
BISMARCK, ND 58501

HALVERSON GREG
BROCK WHITE CO.
1425 41 ST. N
FARGO, ND 58102

HAMAN DAN
CITY OF FARGO
435 14TH AVENUE SOUTH
FARGO, ND 58103

HAMAN MIKE
CITY OF TOWNER
508 1ST ST. NW
TOWNER, ND 58788

HAMMER JEFF
BROCK WHITE CO.
1425 41ST N
FARGO, ND 58102

HANKINS CHARLIE
INTERSTATE
ENGINEERING INC.
117 HWY. 49 N.
BEULAH, ND 58523

HANSEN MARK
HAWKINS INC.
2576A INDUSTRIAL DR.
WASHBURN, ND 58577

HANSON ADAM
CITY OF JAMESTOWN
102 3RD AVE SE
JAMESTOWN, ND 58401

HANSON BOB
CITY OF WILLISTON
PO BOX 2437
WILLISTON, ND 58801

HANSON STACEY
NDDOT 608 E.
BOULEVARD AVE.
BISMARCK, ND 58505

HANSON STAN
HOUSTON ENGINEERING,
INC.
1401 21ST AVE. N.
FARGO, ND 58102

HAROLDSON MARTY
ND DEPARTMENT OF
HEALTH
918 E. DIVIDE AVE
BISMARCK, ND 58501

HARRINGTON BRIAN
CITY OF CARRINGTON
103 10TH AVE. NORTH
CARRINGTON, ND 58421

HARTLEY TOM
CITY OF WILLISTON
PO BOX 2437
WILLISTON, ND 58801

HASBARGEN GARY
CITY OF WAHPETON
1900 N 4TH ST.
WAHPETON, ND 58075

HAUGRUD CHRIS
SANITATION PRODUCTS,
INC.
1402 41ST ST. NW
FARGO, ND 58102

HAUSAUER JAMES
CITY OF FARGO
3400 N BROADWAY
FARGO, ND 58102

HEGLUND DALE
UGPTI-ND SU
515 1/2 E BROADWAY STE
101
BISMARCK, ND 58501

HEGNEY KEITH
CITY OF SURREY
100 PLEASANT AVE. S
SURREY, ND 58785

HEIDBREDER WARD
ND RURAL
WATER SYSTEMS
ASSOCIATION
PO BOX 272
STANLEY, ND 58784

HEINERT CODY
CITY OF BISMARCK
601 S 26TH ST
BISMARCK, ND 58506

HEINLE SHAWN
ND DEPARTMENT OF
HEALTH
2639 E MAIN AVE.
BISMARCK, ND 58501

HEINTZ JEFF
CITY OF BISMARCK
PO BOX 5503
BISMARCK, ND 58506-
5503

HEITZMAN DANIEL
HOUSTON ENGINEERING,
INC.
3712 LOCKPORT STREET
BISMARCK, ND 58503

HELLAND GARY
CITY OF PEMBINA
151 N 5TH ST
PEMBINA, ND 58271

HENGEL JOSH
APEX ENGINEERING
GROUP
4733 AMBER VALLEY
PKWY
FARGO, ND 58104

HENRIE SKYLAR
CITY OF WILLISTON
1502 42ND ST W APT. 101
WILLISTON, ND 58801

HESCH WADE
CITY OF VALLEY CITY
1315 N CEN. AVE.
VALLEY CITY, ND 58072

HEUPEL DEVON
CITY OF FARGO
402 23RD ST N
FARGO, ND 58102

HIGDEM SIDNEY
105 COLLEGE ST W
MEDINA, ND

HIGGINS DAN
GE WATER
4707 COLLEGE BLVD., NO.
206
LEAWOOD, KS 66211

HIGGS BRYANT
ADVANCED PUMP &
EQUIPMENT, INC.
1408 GOLD AVE, UNIT 6
BOZEMAN, MT 59715

HILLBRAND MATTHEW
KODRU-EQUIPMENT,
INC.
3650 N CHESTNUT ST.
STE. 102
CHASKA, MN 55318

HIMMELSPACH STEVE
CITY OF MANDAN
205 - 2ND AVE. NW
MANDAN, ND 58554

HINTZ LAITH
AE2S
1815 SCHAFER ST Suite 301
BISMARCK, ND 58501

HIRCHERT BRUCE
CITY OF NEW ROCKFORD
428 1ST AVE. N
NEW ROCKFORD, ND
58356

HOCHHALTER JUSTIN
CORE & MAIN LP
407 72ND ST SE
MINOT, ND 58701

HODGINS TREVOR
PEMBINA VALLEY
WATER COOP
BOX 1180
ALTONA, MANITOBA MB
R0G 0B0

HOUIM DEREK
CITY OF FARGO
402 23RD ST N
FARGO, ND 58102

HOULM DEREK
CITY OF FARGO
402 23RD ST N
FARGO, ND 58102

HOURLBUCKLE
DARRELL
INTERSTATE
ENGINEERING, INC.
1903 12TH AVE. SW
PO Box 2035
JAMESTOWN, ND 58402

HRUBY JEFF
AE2S
1815 SCHAFER ST Suite
301
BISMARCK, ND 58501

HUBER JESSE
WATER SMART
3617 BOTTOM ROAD
BISMARCK, ND 58504

HUBRIG RON
CITY OF HANKINSON
P.O. BOX 478
HANKINSON, ND 58041

HUETTL EMILY
ACKERMAN-ESTVOLD
1907 17TH ST SE
MINOT, ND 58701

HUMBLE JEFF
DAKOTA SERVICES
5217 7TH AVE. N
GRAND FORKS, ND 58203

HUSON KEVIN
QUALITY FLOW
SYSTEMS, INC.
800 - 6TH ST. NW
NEW PRAGUE, MN 56071

IDLAND BRANDON
CITY OF BISMARCK
601 S 26TH ST
BISMARCK, ND 58506

IRISH MATTHEW
CITY OF STEELE
306 1ST ST SE PO Box 294
STEELE, ND 58482

IRMEN SCOTT
CITY OF BISMARCK
PO BOX 5503
BISMARCK, ND 58506

JANIKSELA JEFF
ELECTRIC PUMP, INC.
1434 5TH AVE. N
FARGO, ND 58102

JOB ROBERT
CITY OF LINTON
PO BOX 332
LINTON, ND 58552

JOCHIM BRETT
AE2S
1815 Schafer St
BISMARCK, ND 58501

JOHNSON BARRY
BOLTON & MENK, INC.
3168 41ST ST S.
FARGO, ND 58104

JOHNSON CHRISTINE
CITY OF MINOT
PO BOX 5006
MINOT, ND 58701

JOHNSON CLARK
ND NATIONAL GUARD
607 WALTER WAY
BISMARCK, ND 58503

JOHNSON THOMAS
ACKERMAN-ESTVOLD
1907 17TH ST SE
MINOT, ND 58701

JOHNSTON BO
BLACK & VEATCH
CORPORATION
7760 FRANCE AVENUE S
Suite 1200
MINNEAPOLIS, MN 55434

JONASSON DAN
CITY OF MINOT
PO BOX 5006
MINOT, ND 58702

JONES ERIK
HOUSTON
ENGINEERING
1401 21ST AVENUE N
FARGO, ND 58102

JONES JAMES
CITY OF FARGO
607 16TH ST N
FARGO, ND 58560

JORDAN GENE
DAKOTA SUPPLY
GROUP
4557 - 15TH AVE. N
FARGO, ND 58102

JULIUS BRIAN
MOORE ENGINEERING,
INC.
2730 30TH ST. NW
MINOT, ND 58703

JULSON BEN
AE2S
3101 FRONTAGE RD S
MOORHEAD, MN 56560

KADRMAS JOSH
BRAUN INTERTEC
526 10TH ST NE #300
WEST FARGO, ND 58078

KAISER-LEE AMANDA
CITY OF WILLISTON
PO Box 2437
WILLISTON, ND 58801

KALIHIER PETE
CITY OF MINOT
515 - 2ND AVE. SW
MINOT, ND 58701

KANNENBERG MITCH
LEGGETTE, BRASHEARS
& GRAHAM, INC.
140 E. HINKS LANE,
SUITE 126
SIOUX FALLS, SD 57104

KASTROW KENNETH
CITY OF HEBRON
904 CHURCH AVE
HEBRON, ND 58638

KELLER BOB
STUSTSMAN RURAL
WTR. DISTRICT
1812 HWY 281 N
JAMESTOWN, ND 58401

KELLER ERIC
CITY OF MINOT
515 2ND AVE SW
MINOT, ND 58701

KEMMET ALAN
HOUSTON ENGINEERING,
INC.
3712 LOCHPORT ST.
BISMARCK, ND 58503

KERN WAYNE
ND DEPARTMENT OF
HEALTH
918 E DIVIDE AVE., 3RD
FL.
BISMARCK, ND 58501-1947

KERSHAW JAMES
CITY OF BISMARCK
1380 ZURAFF DR.
MENOKEN, ND 58558

KIEMELE RICK
HD SUPPLY
WATERWORKS
3301 20TH ST SE
MINOT, ND 58701

KILGORE GREG
PUBLIC WORKS SALES
HOLDINGS, LLC
9350 COUNTY RD. 19
LORETTO, MN 55357

KING PAUL
AMERICAN CRYSTAL
SUGAR
3194 STATE HIGHWAY 11
KENNEDY, MN 56733

KINZLER AMY
ND DEPARTMENT OF
HEALTH
918 EAST DIVIDE AVE
BISMARCK, ND 58501-1947

KLABO PAMELA
NORMONT EQUIPMENT
CO
1157 WIRE MILL RD
BLACK EAGLE, MT 59414

KLABUNDE JEROD
MOORE ENGINEERING,
INC.
925 10TH AVE. E
WEST FARGO, ND 58078

KLEIN JASPER
AE2S
1815 SCHAFFER ST
Suite 301
BISMARCK, ND 58501

KLINGBEIL JAMES
CITY OF BOTTINEAU
730 96TH ST NE
BOTTINEAU, ND 58318

KLOSE MICHELLE
CITY OF BISMARCK
221 N 5TH STREET
PO Box 5503
BISMARCK, ND 58506-
5503
KLUCK ROGER

CITY OF FARGO
1303 15TH ST. SW
MINOT, ND 58701

KOLBINGER SCOTT
KLJ
3203 32ND AVE. S STE 201
FARGO, ND 58106

KOPPY LEE
KLJ
4585 COLEMAN ST.
BISMARCK, ND 58503

KOTERBA KYLE
APEX
1712 12TH ST S
MOORHEAD, MN 56560

KRAFT ALLAN
CITY OF CAVALIER
500 W. 1ST AVE N
CAVALIER, ND 58220

KRUGER CLAY
CITY OF RIVERDALE
314 3RD STREET
RIVERDALE, ND 58565

KUBIK DOUG
AMERICAM AVK
513 16TH AVE NE, APT. 3
WATERTOWN, SD 57201

KUEHN PAUL
CASS RURAL WATER
DIST
323 5TH ST NE
BARNESVILLE, MN 56514

KUHARENKO DAVE
CITY OF GRAND
FORKS
PO BOX 5200
GRAND FORKS, ND
58206-5200

LAGASSE ROSS
CITY OF BISMARCK
221 N 5TH ST. PO Box 5503
BISMARCK, ND 58506-
5503

LAMPPA ZACH
RMB ENVIRONMENTAL
LAB, INC.
22796 COUNTY HIGHWAY
6
DETROIT LAKES, MN
56501

LANDENBERGER
JAMES
BARTLETT & WEST, INC.
3456 E. CENTURY AVE.
BISMARCK, ND 58503

LANDMAN PHIL
CITY OF FARGO
3400 NORTH BROADWAY
FARGO, ND 58103

LANG TRAVIS
MNSP/NDSP
121 ZEH AVE
BREWSTER, MN 56119

LARSON BLAINE
CITY OF
COOPERSTOWN
1106 PARK AVE NE
COOPERSTOWN, ND 58425

LARSON MIKE
LARSON DATA
COMMUNICATIONS, INC.
220 S. KIMBALL ST.
PO Box 96
MITCHELL, SD 57301

LENNINGTON JIM
BARTLETT & WEST
3456 EAST CENTURY AVE
BISMARCK, ND 58503

LIEBIG JUSTIN
CITY OF JAMESTOWN
102 3RD AVE SE
JAMESTOWN, ND 58401

LIEN ENOS
CITY OF FARGO
1422 14TH ST S
FARGO, ND 58103

LIN WEI
NDSU, CIVIL ENG.DEPT.
238 PRAIRIEWOOD DR. S.
FARGO, ND 58103

LOTVEDT KRISTEN
HOUSTON
ENGINEERING
1401 21ST AVENUE N
FARGO, ND 58102

LYNNE SETH
APEX ENGINEERING
GROUP
4733 AMBER VALLEY
PARKWAY S
FARGO, ND 58104

MAENDEL BEN
FOREST RIVER COLONY
4068 35 AVE NE
FORDVILLE, ND 58231

MAENDEL BRIAN
FOREST RIVER
COLONY
4068 35TH AVE NE
FORDVILLE, ND 58231

MALLOY JENNIFER
APEX ENGINEERING
GROUP
600 S 2ND ST STE 145
BISMARCK, ND 58504

MALSAM RYAN
CITY OF MANDAN
205 2ND AVE NW
MANDAN, ND 58554

MANNIE MASON
CITY OF FARGO
435 14TH AVE. S
FARGO, ND 58103

MARKHOUSE ROBERT
ND DEPARTMENT OF
HEALTH
918 E DIVIDE AVE., 3RD
FL.
BISMARCK, ND 58501-1947

MARTINSON TODD
GARRISON RURAL
WATER
4031 HWY 37 BYP
GARRISON, ND 58540

MARX BRIAN
NBS CALIBRATIONS
9556 W BLOOMINGTON
FRWY
BLOOMINGTON, MN
55431

MASTEL ANDREW
ADVANCED DRAINAGE
SYSTEMS
4111 BAYPORT PL SE
MANDAN, ND 58554

MATTERN JEFF
ND STATE WATER
COMMISSION
900 E BOULEVARD AVE.
BISMARCK, ND 58505

MAYER KEVIN
CITY OF CASSELTON
PO BOX 548
CASSELTON, ND 58012

MC FARLANE
ANTHONY
CITY OF BISMARCK
601 S 26TH ST
BISMARCK, ND 58506

MCGUIRE MARK
EVOQUA WATER
TECHNOLOGIES
8904 W 115TH
OVERLAND PARK, KS
66210

MELCHER
JACQUELINE
CITY OF MINOT
PO BOX 5006
MINOT, ND 58702-5006

MERKEL KYLEE
ND PUBLIC FINANCE
AUTHORITY
PO BOX 5509
BISMARCK, ND 58506

MEYER KYLE
MOORE ENGINEERING,
INC.
925 10TH AVE. E
WEST FARGO, ND 58078

MEYER LANCE
CITY OF MINOT
PO BOX 5006
MINOT, ND 58701-5006

MEYER VERONICA
INTERSTATE
ENGINEERING
3317 SEDONA COURT SE
MINOT, ND 58701

MIRANOWSKI DENNIS
CITY OF WAHPETON
1900 4TH ST. N
WAHPETON, ND 58075

MISCHEL CHUCK
ND RURAL
WATER SYSTEMS
ASSOCIATION
2718 GATEWAY AVE.,
STE.201
BISMARCK, ND 58503

MONSON BEN
JASPER ENGINEER
765 3RD ST NW
CHISHOLM, MN 55719

MORTENSEN MIKE
WELLS CONCRETE
5000 DEMERS AVENUE
GRAND FORKS, ND 58201

MULHERN SHAWN
KLM ENGINEERING, INC.
3394 LAKE ELMO AVE. N
PO Box 897
LAKE ELMO, MN 55042

MULLEN MIKE
SWANSTON EQUIPMENT
3450 MAIN AVE.
FARGO, ND 58103

MURR LEO
CITY OF WAHPETON
408 15TH AVE N.
WAHPETON, ND 58075

MURTHY KASI
HDR
4503 COLEMAN ST., STE
105
BISMARCK, ND 58501

MYERS RANDY
CITY OF
COOPERSTOWN
907 HOWARD AVE. SE
COOPERSTOWN, ND 58425

MYHRO JOEL
CITY OF DEVILS LAKE
423 6TH STREET NE
DEVILS LAKE, ND 58301

NAFIE TALHA
ND DEPARTMENT OF
HEALTH
918 E. DIVIDE AVE., 3RD
FLOOR
BISMARCK, ND 58501

NEHRING KELSY
CITY OF WILLISTON
15077 44TH LANE NW
WILLISTON, ND 58801

NELSON PAUL
HD SUPPLY
WATERWORKS
407 72ND ST. SE
MINOT, ND 58701

NESS RODNEY
SWANSTON
EQUIPMENT
3450 W MAIN AVE.
FARGO, ND 58103

NEWMAN ERIK
ENGINEERED SALES
CO.
8912 WENTWORTH AVE S.
BLOOMINGTON, MN
55420

NIERAETH SHAWNA
ND DEPT OF HEALTH
918 E DIVIDE AVE 4th FL
BISMARCK, ND 58501

NYSETH KEN
SHORT-ELLIOTT-
HENDRICKSON, INC.
4719 SHELBURNE ST.,
SUITE 6
BISMARCK, ND 58503-5677

OANES AMANDA
APEX ENGINEERING
GROUP
4733 AMBER VALLEY
PKWY
FARGO, ND 58104

OBERLANDER DOUG
CITY OF JAMESTOWN
102 3RD AVE SE
JAMESTOWN, ND 58401

OFFERDAHL WAYNE
CITY OF FARGO
3400 N BROADWAY
FARGO, ND 58102

OKERSTROM MITCH
FERGUS POWER PUMP,
INC.
24978 - 225TH ST.
FERGUS FALLS, MN 56537

OKESON CHRIS
FERGUSON
WATERWORKS
1917 1ST AVE N
FARGO, ND 58102

OLDENBURG CALVIN
AE2S
PO BOX 453
WATFORD CITY, ND 58854

OLSON JIM
SWEENEY CONTROLS
COMPANY
234 28TH STREET S
FARGO, ND 58103

OLSON KARLA
APEX ENGINEERING
GROUP
4733 AMBER VALLEY
PARKWAY S
FARGO, ND 58104

OLSON KEITH
CITY OF HARVEY
704 BIRCH AVE
HARVEY, ND 58341

OLSON TODD
CITY OF JAMESTOWN
102 3RD AVE SE
JAMESTOWN, ND 58401

ORSTAD MITCH
FERGUSON
WATERWORKS
1201 AIRPORT RD.
BISMARCK, ND 58504

OSTER LINDA
CITY OF BISMARCK
221 N 5TH ST. PO Box 5503
BISMARCK, ND 58506-5503

OTTEN MITCHELL
CITY OF CARRINGTON
103 10TH AVE. NORTH
CARRINGTON, ND 58421

OVERMOE DANIEL
CITY OF MAYVILLE
822 1ST ST. NW
MAYVILLE, ND 58257

PADDOCK MARK
CITY OF MINOT
3613 55TH ST SE
MINOT, ND 58701

PAULSEN JOEL
BOLTON & MENK, INC.
4165 S 30TH AVE. STE. 100
FARGO, ND 58104

PAUSTIAN TIM
APEX ENGINEERING
GROUP
4733 AMBER VALLEY
PARKWAY S
FARGO, ND 58104

PEDERSON JESSEY
CITY OF FARGO
435 14TH AVENUE SOUTH
FARGO, ND 58103

PEKARSKI ALICE
CITY OF MONTPELIER
PO BOX 3
MONTPELIER, ND 58472-
0003

PETERS DELRON
HDR
4503 COLEMAN ST., STE
105
BISMARCK, ND 58501

PETERSON ANDREW
ND DEPT OF HEALTH
918 E DIVIDE AVE 4th FL
BISMARCK, ND 58501

PETERSON JIM
FERGUS POWER PUMP,
INC.
24978 225TH STREET
FERGUS FALLS, MN 56537

PETRON NATE
FLEXIBLE PIPE TOOL CO.
30577 PEARL DR.
ST. JOSEPH, MN 56374

PFAFF DOUG
CITY OF DICKINSON
3411 PUBLIC WORKS
BLVD
DICKINSON, ND 58601

PILLAI-GRINOLDS
SINDHUJA
ND STATE WATER
COMMISSION
900 E BOULEVARD AVE
BISMARCK, ND 58501

PLANTE MIKE
LEGGETTE, &
BRASHEARS & GRAHAM,
INC.
8 PINE TREE DR. STE. 250
ST. PAUL, MN 55112

POPE RANDY
INTERSTATE
ENGINEERING, INC.
PO BOX 667
WAHPETON, ND 58074

POPEHN DAN
VICTAULIC
12263 XYKITE ST. NE
UNIT D
BLAINE, MN 55449

PRAUS AARON
CITY OF DICKINSON
3411 PUBLIC WORKS
BLVD
DICKINSON, ND 58601

PRICE KYLE
CITY OF DICKINSON
3411 PUBLIC WORKS
BLVD.
DICKINSON, ND 58601

PRINZING DEWEY
KLM ENGINEERING, INC.
PO BOX 897
LAKE ELMO, MN 55042

PUDWILL CHAD
DAKOTA SUPPLY
GROUP
4557 15TH AVE. N
FARGO, ND 58102

QUAMME MICHAEL
APEX ENGINEERING
GROUP
4733 AMBER VALLEY
PARKWAY S
FARGO, ND 58104

RAGUSE BRYAN
ABM
333 2ND ST NE
HOPKINS, MN 55343

RANSTROM LYLE
FERGUSON
WATERWORKS
1917 1ST AVE N
FARGO, ND 58102

REDLIN DAVE
DAKOTA PUMP &
CONTROL, INC.
705 QUADDEE DRIVE SW
WATERTOWN, SD 57201

REDLIN ROD
DAKOTA PUMP &
CONTROL, INC.
705 QUADDEE DR SW
WATERTOWN, SD 57201

REEP DENNIS
HDR ENGINEERING,
INC.
4503 COLEMAN ST. STE.
105
BISMARCK, ND 58503

RENNER BRITTANY
CITY OF GRAND
FORKS
P.O. BOX 5200
GRAND FORKS, ND
58206-5200

RENSLOW KEVIN
TNEMEC CO/COATING
RESOURCES, INC.
3820 BAKER ROAD
MINNETONKA, MN 55305

REPNOW NEAL
UNDERWOOD CITY OF PO
BOX 168
UNDERWOOD, ND 58576

RIEKE DUSTIN
CITY OF MINOT
717 27TH ST NW
MINOT, ND 58703

RITTERMAN KENT
MOORE ENGINEERING,
INC.
925 10TH AVE. E
WEST FARGO, ND 58078

RIXEN-HANDFORD
GRACE
SOUTHWEST WATER
AUTHORITY
4665 - 2ND ST SW
DICKINSON, ND 58601-
7231

ROCKEMAN KARL
ND DEPT OF HEALTH
918 E DIVIDE AVE
BISMARCK, ND 58505

RODRIGUEZ ANDREW
NBS CALIBRATIONS
9556 W BLOOMINGTON
FWY
BLOOMINGTON, MN
55431

ROEHRICH JEFF
CITY OF FESSENDEN
PO BOX 42
FESSENDEN, ND 58438

ROGAHN KYLE
CITY OF WAHPETON
1900 4TH ST. N
WAHPETON, ND 58075

RUSKAMP CHRIS
AMERICAN FLOW
CONTROL
123 AIRVIEW DR
SGT. BLUFF, IA 51054

RUST TERRY
CITY OF WEST FARGO
810 12TH AVE. NW.
WEST FARGO, ND 58078

SAHR MAGGIE
CITY OF FARGO
435 14TH AVE SOUTH
FARGO, ND 58103

SALAMZADEH
ABRAHAM
TECH SALES CO.
311 W 44TH ST.
MINNEAPOLIS, MN 55409

SAND RANDEL
CITY OF TUTTLE
PO BOX 83
505 N Prairie St.
TUTTLE, ND 58488

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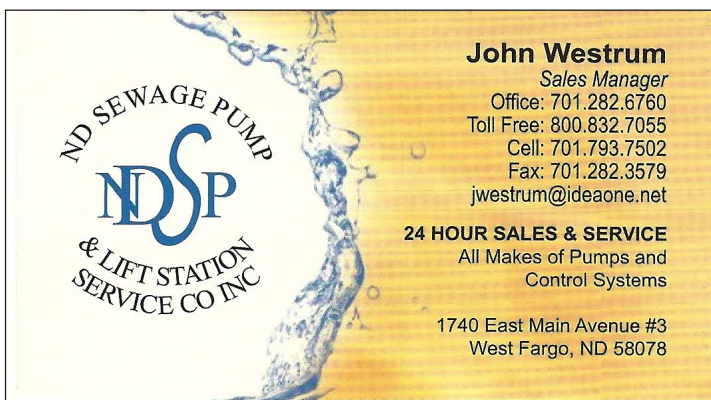
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January 8, 2018

Mr. Charlie Vein
ND Section of AWWA
918 East Divide Ave 3 Flr
Bismark, ND 58501

Dear Mr. Vein,

Please convey our gratitude to AWWA ND for their generous contribution of \$7,680.00 enabling the critical work of reaching Everyone with water and sanitation that lasts Forever.

Reaching Everyone Forever truly takes all of us, and through your support of Water For People, you are part of this mission. **You are One of Everyone!** You are powering progress toward sustainable water and sanitation around the world. You can read stories about lives that are being changed at waterforpeople.org/oneofeveryone.

People like Isidora in Bolivia are acutely aware of the impact of your support. Isidora is a single mother of three boys. Every day, she works hard in the soybean fields around her community to provide for her sons. Adding to the burdens she faces was having to spend an hour and a half each day walking for water. A year ago, Isidora got a water tap installed at her home, and now this busy mother of three has one less thing to worry about for her family.

In Isidora's district of San Pedro, every family, clinic, and school has reliable water services – together, we have reached Everyone!

"Water is a part of life, and without it we can't live," Isidora says. "Now we are more at peace."

Thank you for your investment in making sure Everyone has access to water for generations to come. Your support is changing lives like Isidora's around the world.



With gratitude,

Eleanor Allen
Chief Executive Officer

Thank you, Charlie, and ND AWWA!

This letter serves as a receipt for your gift of \$7,680.00 that you made on 12/20/2017. Water For People is a 501(c)3 nonprofit organization and did not provide you with any goods or services in exchange for your gift.

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Aumiller, Steven	Grand Forks City of	Wastewater Collection 03
Bangert Jr, Leeroy	Mapleton City of	Wastewater Collection 01
Bartholomew, Zachary	Grand Forks City of	Water Treatment 03
Benz, Justin	Beulah City of	Water Treatment 03
Blancett, Chris	Ray City of	Water Distribution 1A
Bruinekool, Mark	Williston City of	Water Distribution 01 Wastewater Collection 02
Cimino, Rob	Minot City of	Water Distribution 01
Contreras, Fernando D	Grand Forks City of	Water Distribution 04
Corey, Kevin	Dakota Rural Water District South	Water Treatment 02
David, Charles	Grand Forks City of	Water Distribution 02
Eaton, John	Traill Rural Water District	Water Treatment 02
Fogel, Jon	Fargo City of	Water Distribution 02
Froelich, Joe	Southwest Water Authority	Water Treatment 03
Gee, Steven	Fargo City of	Wastewater Collection 04
Gylten, Steve	Hatton City of	Water Distribution 1A Wastewater Collection 1A
Hanson, Brady	West Fargo City of	Wastewater Collection 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 Treatment 02 Water Distribution 01
Hart, Scott	Western Area Water Supply Authority	Water Distribution 1A
Irish, Matthew	Steele City of	Wastewater Collection 01 Wastewater Treatment 01
Kasian, Michael	Southwest Water Authority	Water Treatment 01
Knudson, Andrew	Grand Forks City of	Wastewater Collection 02
Koch, Brett	Beulah City of	Water Distribution 1A
Kuehn, Paul	Cass Rural Water District Fargo	Water Distribution 01
Lamont, Tyler	Fargo City of (WWT)	Wastewater Collection 01
Larson, Dustin	Larimore City of	Water Distribution 1A
Lick, Wade	West Fargo City of	Wastewater Collection 02
Martinson, Steve	Greater Ramsey Water District	Water Treatment 03
Mathison, Brian	Walhalla City of	Water Distribution 01 Wastewater Collection 01
Miller, Dan	Carrington City of	Water Treatment 01
Nehring, Kelsy	Williston City of	Wastewater Treatment 01
Newland, Bobby	Grand Forks City of	Wastewater Collection 03
Ott, Lucas	Cass Rural Water District Fargo	Water Treatment 03
Otten, Mitch	Carrington City of	Water Distribution 01 Wastewater Treatment 01
Perkins, Patrick		Wastewater Collection 01
Pranke, Dane	West Fargo City of	Water Distribution 02
Praus, Brian	Dickinson City of	Wastewater Collection 03 Wastewater Treatment 01

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Sherwood, Dylan	Fargo City of (WWT)	Wastewater Treatment 01
Slater, Jamie	Western Area Water Supply Authority	Water Distribution 1A
Smedshammer, Tanner	West Fargo City of	Water Distribution 03
Staebler, Matthew	West Fargo City of	Water Distribution 03
Sunzeri, Chris		Wastewater Treatment 1A
Swanson, Darrel	Gwinner City of	Wastewater Collection 01
		Wastewater Treatment 01
		Water Treatment 01
		Water Distribution 01
Sweep, Darrell	Fargo City of	Water Distribution 04
Trautman, Randy	Mapleton City of	Wastewater Collection 01
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Trostad, Jonathon	McVille City of	Wastewater Collection 1A
		Water Distribution 02
Weinmann, Jamey	Harvey City of	Water Treatment 02
Williams, Ira	Bismarck City of	Water Treatment 03
Wilm, Tom	Cass Rural Water District-Phase II	Water Distribution 01
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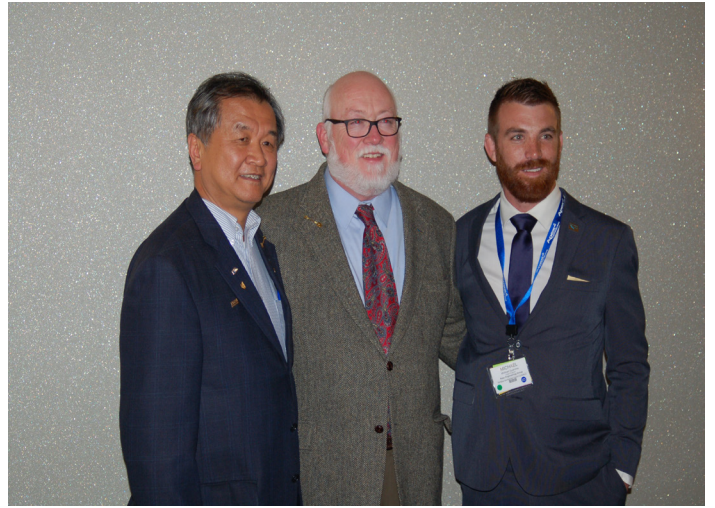
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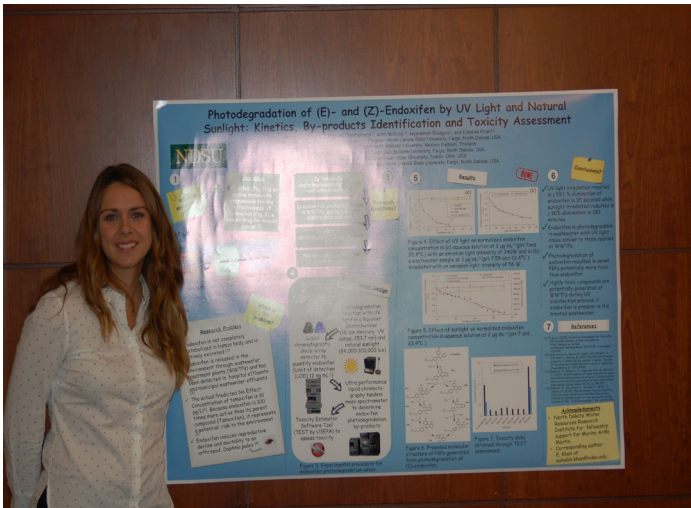
2017 Conference Photos

Thanks for attending



2016 Conference Photos

Thanks for attending





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SECTION SERVICES

– Weekly Letter –

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TO: Section Directors, Chairs,
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Trustees & Section Staff

CC: Executive Committee,
Directors-at-Large,
Membership Engagement
& Development &
Applicable Association
Staff

FROM: Julia Georgia, Section
Services Coordinator on
behalf of Nancy Sullivan,
Manager – Section
Services

DATE: November 30, 2017

RE: Weekly Communication

FEATURED THIS WEEK

NEW

- Helping Water Heroes Fundraising
- Register for the International Symposia on Potable Reuse and Biological Treatment
- \$7,406 raised for Water Equation / NDSU wins \$200 from #WEGives contest
- Sections should utilize their AWWA Bookstore Allotments before it's too late!

REMINDERS

- Save the Date: 2018 Membership Summit January 24-26
- Registration is Open for the 2018 YP Leadership Training and YP Summit – February 19-20!
- UCMR 4 Deadlines Approaching – Info to Assist Utilities on DrinkTap



Action Required/Requested:
Informational

**Additional Interested / Affected
Section Positions:** Leadership
Volunteers & Staff

Respond To: If questions, contact
your [Section Relationship
Manager](#)

Respond By: N/A

Action Required/Requested:
Action – Distribute to Section
members to remind them to
register before early deadline of
December 8.

**Additional Interested / Affected
Section Positions:** Leadership
Volunteers & Staff

Respond To: If questions, contact
[Megan MacKenzie – Meeting
Specialist](#)

Respond By: Early registration
deadline is December 8, 2017.

Action Required/Requested
Participation

**Additional Interested / Affected
Section Positions:** Leadership
Volunteers, Philanthropy
Committee
Chairs & Staff

Respond To: If questions,
contact [Michelle Hektor – Sr.
Manager of Development &
Donor Relations](#)

Respond By: N/A

OFFICIAL BULLETIN, October-December 2016

Helping Water Heroes Fundraising

Thank you to the many that have purchased the t-shirts and have made donations to support emergency relief efforts of Texas, Florida and Puerto Rico. To date, \$10,590 has been raised.

Going forward, funds from t-shirt sales and donations will be used to assist emergency efforts in Puerto Rico. AWWA invites all members to continue to support Puerto Rico in its rebuilding efforts.

If you, your Section or others would like to donate funds to Puerto Rico – we recommend the following ways:

- [AWWA's website](#). You can either buy a t-shirt or donate monies. These donations are tax deductible.
- Puerto Rico AWWA has set up a [GoFundMe account](#). These donations are not tax-exempt.

Register for the International Symposia on Potable Reuse and Biological Treatment

Join AWWA for a ground breaking four-day joint Symposia on Potable Reuse and Biological Treatment in Austin, Texas, January 22 - 25. Come experience the Opening Plenary Session "Fifty Years of Pipe-to-Pipe Direct Potable Reuse" representatives from Namibia, South Africa will discuss the successes of the Windhoek Goreangab Operating Company's facility.

The [AT&T Hotel and Conference Center](#) at 244 W 20th St. in Austin, Texas will host the event. AWWA has negotiated a group room block rate of \$214/night plus taxes. Includes in-room internet. Available until January 5th, or when the block fills, whichever happens first. The conference center and hotel sit on University of Texas at Austin's campus.

View the attached promotional documents for more information on hot topic sessions, more details, and a direct link to register. Sign up for both symposiums for only an additional \$100.

\$7,406 raised for Water Equation

AWWA members showed support of the philanthropy on Giving Tuesday by raising 148% of its goal. The PA AWWA Section contributed \$1,000 from its Clay Shoot and the Florida AWWA Section donated \$500 in honor of the visit by AWWA Past-President Jeanne Bennett-Bailey. Water Equation funds One AWWA Operator Scholarships, Academic Scholarships, Students & Young Professional programming, and the Community Engineering Corps.

NDSU wins \$200 from #WEGives contest

The North Dakota State University student chapter registered for the Giving Tuesday contest and posted pictures on social media to support AWWA's Water Equation. As a result, the chapter will receive \$200 to use for a chapter event! CEO David LaFrance sponsored this contest for students through his Giving Tuesday gift. Congrats to NDSU!

AWWA NDSU Student Chapter Wins Social Media Competition

NDSU AWWA/WEF President encourages you to support AWWA's Water Equation! Which helps fund the future of water. Learn more on which areas you can support by clicking on this link: <https://www.awwa.org/donate.aspx> Share to help spread the word! **#WeGives #GivingTuesday**



Help us Fund the Future of Water by donating to AWWA's Water Equation! To learn more on where you can donate and what it goes to, go to this link: <https://www.awwa.org/donate.aspx> Share to help us spread the word! **#WeGives #GivingTuesday**



Even Grad Students are part of the Future of Water by the research they do. Help fundraise AWWA's Water Equation so they can Fund the Future of Water. Learn more about which area you can donate to by clicking on this link: <https://www.awwa.org/donate.aspx> Share to help spread the word! **#WeGives #GivingTuesday**



NDSU AWWA/WEF Officers encourage you to donate to AWWA's Water Equation that supports Funding the Future of Water. Learn more about how you can donate by clicking on this link: <https://www.awwa.org/donate.aspx> Share to help spread the word! **#WeGives #GivingTuesday**



Ribbon Cutting: Cass Rural Water District Reservoir E Water Treatment Plant Facility Expansion

This DWSRF project consisted of expanding the existing WTP to increase capacity from 600 gallons per minute (gpm) to 1600 gpm in order to provide additional water to Cass Rural Water Users District. The work included expansion of the existing Reservoir “E” WTP building including all associated civil site work and structural, mechanical, and electrical system improvements. The project included expansion of the backwash sludge pond for accepting discharge for pressure backwash processes. The project also expanded the existing well field by constructing seven new ground water wells and associated well field and WTP pipelines and appurtenances. Sequencing of construction activities were required to ensure the existing WTP continued to be fully operational during the entire construction process.



From left to right, Jon Zuther – Cass Rural Water District Chairmen, Gary Lee – State Senator District 22, Chuck Abel – DWSRF Environmental Engineer and Bryan Ziegler P.E. – Project Engineer Bartlett & West.

Drinking Water Program Directory		
Program Administrator	Greg Wavra	701-328-5257
Acrylamide and Epichlorohydrin Rule	Rondal Joe Lydon	701-328-5221
Arsenic Rule	Amy Kinzler	701-328-5221
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: East	Jacob Schafer	701-328-6375
Inspections: South Central	Bob Markhouse	701-328-6623
Lead and Copper Rule	Amy Kinzler	701-328-5258
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	Amy Kinzler	701-328-5258
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 Revised 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 Jeremy Lang	701-328-5228 701-328-5244 701-328-5219
Biosolids	Sarah Waldron-Feld	701-328-5234
Construction/Industrial Stormwater	Dallas Grossman Duane Sandvick Bill Giuliani Samantha Swanberg	701-328-5242 701-328-5260 701-328-5285 701-328-52839
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
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 Reviews	All Staff	701-328-5210
Central Phone: 701-328-5210		Fax: 701-328-5200

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