OFFICIAL BULLETIN

VOLUME 103 JANUARY 2015 - JUNE 2015 NUMBERS 1-6

NDWPCC

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SPRING ISSUE

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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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On the cover: Photos of the 55th Annual North Dakota Water and Pollution Control Operator Training, Bismarck, North Dakota. Photos by Jake Schafer and Josh Seerup

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

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

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

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

Federal Fluoride Recommendation Lowered

by Heather Syverson, AE2S Communications Coordinator

For the first time since 1962, the federal government has changed its fluoridation recommendation. The U.S. Department of Health and Human Services (USHHS) and U.S. Public Health Service (USPHS) say in order to balance dental protection, while limiting the risk of dental fluorosis, the optimal fluoride concentration is 0.7 milligrams/liter (mg/L). Although USPHS recommends water fluoridation as an effective public health tool, the decision of whether or not to use fluoride is made by State and local governments.

In light of the new recommendation, the U.S. Environmental Protection Agency (USEPA) is in the process of determining whether it will change the maximum amount of fluoride allowed in drinking water under the Safe Drinking Water Act. Any changes to the standard could affect water systems that have naturally occurring fluoride. Currently, the USEPA's limit is set at 4.0 mg/L to protect against severe skeletal fluorosis, a bone disease that is caused by excessive fluoride ingestion over an extended period of time.

In North Dakota, fluoridation of public water systems is a voluntary program. The ND Drinking Water Program manages the voluntary implementation as well as provides fluoride level and sampling guidelines which must be followed for all participating systems. In 2011, in response to the announcement from the USHHS and the USEPA of a proposed recommendation of 0.7 milligrams of fluoride per liter of water to replace the previous 1.2 milligrams, North Dakota provided the guideline for the optimal level of fluoride of 0.7 mg/L. An acceptable range of 0.6 to 1.7 mg/L of fluoride is allowed. The optimal fluoride level guideline for the State will be maintained at 0.7 mg/L in response to the official recommendation.

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The new federal recommendation was developed by a panel of representatives from the USHSS, Centers for Disease Control (CDC), National Institutes of Health, U.S. Food and Drug Administration, Agency for Healthcare Research and Quality, Office of the Assistant Secretary for Health, USEPA, and U.S. Department of Agriculture. The panel used recent study results to review the fluoride standards that were established in 1962. The previous standards ranged from 0.7 to 1.2 mg/L and were based on the theory that residents of warmer climates drink more water; therefore, the fluoride concentration in those geographies could be lower than in colder areas.

It was determined that 0.7 mg/L is the optimal fluoride concentration based on the following points:

- Community water fluoridation remains an effective public health strategy for delivering fluoride to prevent tooth decay and is the most feasible and cost-effective strategy for reaching entire communities.
- In addition to drinking water, other sources of fluoride exposure including toothpaste, mouthwash, and professional fluoride treatments have contributed to the prevention of tooth decay and an increase in dental fluorosis prevalence.
- Preventive benefits can be achieved and the risk of dental fluorosis reduced at 0.7 mg/L.
- Recent data do not show a convincing relationship between water intake and outdoor air temperature. Thus, recommendations for water fluoride concentrations that differ based on outdoor temperature are unnecessary.

If you would like to compare how much fluoride is included in your water system's H2O with other water systems, check out the CDC's "My Water's Fluoride" app. It breaks the information down by State, county, and individual water system.

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Governor Proclaims Drinking Water Week in North Dakota

Bismarck, North Dakota

BISMARCK, N.D. – Gov. Jack Dalrymple has declared May 3 through 9, 2015, as Drinking Water Week in North Dakota.

This annual event is dedicated to the belief that North Dakotans should have a safe and dependable supply of water, both now and in the future. Citizens are called upon to help protect the state's source waters from pollution.

Drinking Water Week recognizes the importance of source water protection and water conservation, as well as the value, importance and fragility of the state's water resources.

Organizations involved in the promotion of Drinking Water Week include the North Dakota Department of Health, the North Dakota Section of the American Water Works Association, the North Dakota Water and Pollution Control Conference, the North Dakota Chapter of the American Public Works Association, the North Dakota Water Environment Association and the North Dakota Rural Water Systems Association.

For More Information on Drinking Water Week, contact:

Greg Wavra, Drinking Water Program

Phone: 701.328.5224

WHEREAS, water is our most valuable natural resource; and

WHEREAS, only tap water delivers public health protection, fire protection, support for our economy and the quality of life we enjoy; and

WHEREAS, any measure of a successful society – low mortality rates, economic growth and diversity, productivity, and public safety – are in some way related to access to safe water; and

WHEREAS, we are all stewards of the water infrastructure upon which future generations depend; and

WHEREAS, North Dakotans are encouraged to help protect our source waters from pollution, to practice water conservation, and to get involved in local water issues during the first week of May.

NOW, THEREFORE, as Governor of the State of North Dakota, I do hereby proclaim May 3-9, 2015, as DRINKING WATER WEEK in the state of North Dakota.

Jack Dalrymple
Governor

Front row (L to R): LeeAnn Tillotson, Drinking Water Program, North Dakota Department of Health; Governor Jack Dalrymple; Chuck Abel, Executive Secretary, North Dakota Chapter of American Public Works Association. Back row (L to R): Larry Thelen, Director, North Dakota Section of the American Water Works Association; Bill Gefroh, Secretary-Treasurer, North Dakota Water Environment Association; Mike Berg, Director, North Dakota Water and Pollution Control Conference.

North Dakota Water Environment Association Minutes

Anual Meeting Minutes, Fargo, North Dakota

The North Dakota Water Environment Association (NDWEA) held its annual business meeting on Wednesday, October 15, 2014 at the Holiday Inn in Fargo, North Dakota. President Jessica Wagner called the meeting to order, 238 people were present at the 12:00 p.m. business luncheon.

The 2013 NDWEA annual meeting minutes were published in the Official Bulletin. President Wagner 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. Eric Dodds seconded the motion and the motion passed.

Karla Olson was called upon by President Wagner to present the Secretary-Treasurer's report in Bill Gefroh's absence. As of September 30, 2014 the NDWEA has a general fund balance of $9,647.55, reflecting a net income of $1,029.85 since January of 2014. The NDWEA membership is at 139, last year at this time it was 125. Michael Quamme made a motion to approve the Treasurer's report. Mel Bullinger seconded the motion and the motion passed.

The NDWEA promotes education of the water environment. Expenditures are aimed at environmental activities that promote water & wastewater education, pollution prevention, resource recovery, preservation and conservation. Awards presented by the NDWEA in 2014 will be announced at the banquet tonight. President Wagner called upon Dr. Wei Lin from the Nomination Committee, to present the NDWEA nominations. The Nominating Committee members were Don Tucker, Wei Lin and Karla Olson. Dr. Lin reported that the Nomination Committee has one nomination for the incoming NDWEA Vice President, Michael Quamme. There were no nominations from the floor and no vote was necessary. Karla Olson was called to nominate the following NDWEA slate of officers for 2014/2015:

President: Karl Rockeman
President-Elect: Gary Zuroff
Vice President: Michael Quamme
Secretary-Treasurer: Bill Gefroh
Delegate: Karla Olson, 2nd year of three-year term
Professional Wastewater Operations: Don Wald, 2nd year of three-year term
Past President: Don Tucker
Past President: Wei Lin
Past President: Jessica Wagner

President Wagner introduced the guest speaker, Mr. Paul Bowen the WEF Vice President. Mr. Bowen spoke about WEFTEC 2014 in New Orleans, Louisiana. He invited all present to share their passion for water by attending WEFTEC, the world's largest water quality event. In 2014 there were over 20,000 attendees and the vendor display area was over 300,000 square feet of exhibit space. Mr. Bowen noted that North Dakota is well represented nationally by the recent participation in the young professional groups, delegate position, delegate at large position and the NDSU student design team.

Vice President Bowen spoke about the national WEF organization objectives and strategies. First, he spoke of the objective of 'driving innovation' in the water industry. Some examples of WEF supporting this objective is through work on energy and resource recovery, developing an energy roadmap, supporting energy self-sustaining efforts, working on a nutrient roadmap and sponsoring the Innovation Pavilion. Second, WEF is striving to 'enrich your experience' as a member of WEF. They support you the member by sponsoring technical publications, 6 specialty conferences in 2015, 10 free webcasts and WEFTEC presentations and publications. Third, WEF is trying to 'raise awareness' of the water industry in general. They are promoting the fact that water projects are infrastructure projects too. They have joined a coalition of other water industry groups to promote the "Value of Water" worldwide. Finally, WEF is fostering the relationship between the member associations and WEF by offering a Member Association Engagement Team. This team will work directly with MAs to provide support as needed. Vice President Bowen concluded with WEF's old tag line "Water is Worth It" and challenged those in attendance to share their Passion about Water and the Water Industry.

The Annual Conference Breakfast Buffet Poker hand winners were announced:

Random Drawing: Todd Olson and Dean Corcoran each received $50.00 cash.

3rd Place Poker Hand: Matt Stabler received $50.00 cash.

2nd Place Poker Hand: Tim Folson received $50.00 cash.

1st Place Poker Hand: Alice Pekarski received $100.00 cash.

The slate of officers were read by President Wagner. Tom Welle moved that the nominations be closed and a unanimous ballot be cast for the nominated slate of announced officers. Eric Dodds seconded the motion, and the motion passed.

At this time, President Karl Rockeman became the Chief Officer of the NDWEA. President Karl Rockeman presented Jessica Wagner with the President's Service Award. Bill Gefroh received the Past Delegate award. With no further business Mr. Rockeman asked for a motion to adjourn. Steve Burian made a motion to adjourn. Tom Welle seconded the motion and Mr. Rockeman adjourned the meeting.

Respectfully submitted,
Karla Olson
Delegate

NDWPCC JOINT BOARD MEETING MINUTES

January 21, 2015 Bismarck, ND

A meeting of the Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC); North Dakota Water Environment Association (NDWEA); North Dakota Chapter of the American Public Works Association (NDCAPWA); North Dakota Section of the American Water Works Association (NDAWWA); and the North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA-ND) was held on January 21, 2015, in the Governor's Room of the Ramkota Hotel, Bismarck, ND. The following board members and guests were present: Chuck Abel, Mike Berg, Mike Brisben, David Bruschwein, Dustin Dale, Tracy Eslinger, Bill Gefroh, Eric Gilbertson, Dallas Grossman, Marty Haroldson, Dale Heglund, Shawn Heinle, Jeff Heintz, Jeff Hruby, Dan Jonasson, Dennis Larson, Wei Lin, Seth Lynne, Wayne Offerdahl, Tim Paustian, Mark Peterson, Derrick Placek, Mike Quamme, Meredith Quinn, Bryan Schmitt, Reed Schwartzkopf, Dustin Scott, Dean Sletten, Jason Sorenson, Matt Sperry, Gregg Stewart, Jess Wagner, Don Wald, Greg Wavra, and Aaron Wellman.

The meeting was called to order at 10:37 a.m.by NDWPCC President Dan Jonasson. Copies of the meeting agenda and 2014 NDWPCC financial report were provided to those in attendance.

The first order of business President Jonasson called for a motion to dispense with the reading of the minutes from the October 14, 2014 joint board meeting and October 16, 2014 business meeting in Fargo, and approve the minutes mailed to all board members. Seth Lynne so moved, Dean Sletten seconded, and the motion carried.

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Next, President Jonasson called for the Treasurer's Report. Mike Brisben read the 2014 NDWPCC financial report which showed a net income of $21,300.00 and total assets of $121,191.38. Mr. Brisben noted that two large deposits the end of December accounted for the majority of the undeposited funds on the December 31, 2014 Balance Sheet. President Jonasson called for any further discussion. Hearing none, President Jonasson called for a motion to approve the Treasurer's Report. Jason Sorenson so moved, Mike Quamme seconded, and the motion carried

Next, President Jonasson called for a report from the Auditing Committee. Mike Berg thanked Shawn Heinle and Mr. Brisben for their hard work and noted that the NDWPCC financial records looked great.

Continuing with old business, President Jonasson asked for an update on the 2015 Conference in Bismarck. Mr. Brisben asked members from Bismarck if any special events were being considered. Bill Gefroh recommended the topic be discussed by the local arrangement committee and revisited during the next joint board meeting.

Next, President Jonasson asked for a report on the 2016 conference in Minot. Mr. Brisben noted that the October 10-13, 2016 dates had been reserved at the Holiday Inn Riverside and the Grand International had been notified. Mr. Brisben said he would also work with Minot CVB to secure other rooms at conference rate and that two new hotels opened nearby.

President Jonasson asked for a report on the 2014 conference in Fargo. Mr. Brisben noted that 420 people pre-registered and 419 people did attend. Two hundred fourteen people were served during the Tuesday NDAWWA business luncheon, 238 the Wednesday NDWEA luncheon, and 171 Thursday during the NDCAPWA/NDWPCC joint luncheon. The Tuesday buffet served 152, the Wednesday breakfast 300 and the awards banquet 243. The exhibitor program had 67 vendors reserving 78 booths.

President Jonasson asked for any other old business. Hearing none, President Jonasson requested topics and presenters be provided to Mr. Brisben by the next joint board meeting May 19, 2015.

Next, President Jonasson called for a report on the 2015 Water and Wastewater Operator Training Program. Mr. Brisben, indicated that announcements had been mailed and that six sessions (four water and two wastewater) are scheduled in March and April.

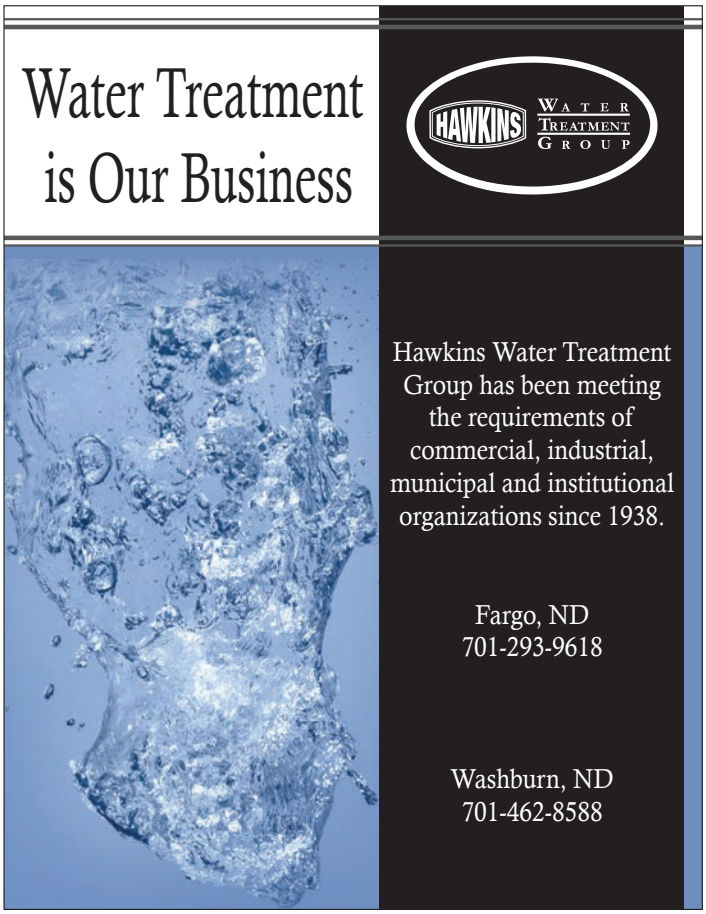
Next, Mr. Brisben listed available dates for the 2020 conference in Minot and 2021 conference in Fargo. He also noted the 2023 dates in Bismarck were unavailable but October 11-13, 2022 were tentatively booked. Mr. Brisben recommended the 2022 Grand Forks and 2023 Bismarck venues be switched and he indicated he would follow up with the Alerus Center to reserve dates in 2023. Mr. Gefroh asked if the Civic Center had been considered for 2019 in Bismarck and possibly future conferences. Mr. Brisben stated that rental fees would be approximately $6,000 to $8,000 but said he would check. Mr. Brisben asked Mr. Gefroh if the city and Bis-Man CVB would be willing to help with the added costs.

Next, President Jonasson asked for other new business. Mike Quamme reported on costs and services for an independent NDWPCC website. Greg Wavra stated that a full service website with the ability to manage all conference activities would be the best option. Mr. Quamme agreed to check further and report at the May meeting.

President Jonasson called for any other new business. Hearing none, President Jonasson called for a motion to close the meeting. Dean Sletten so moved, Wayne Offerdahl seconded, and the motion carried.

The meeting adjourned at 11:07 a.m. NASECA-ND can be thanked for the refreshments and noon luncheon.

Respectfully submitted,
Mike Brisben
Secretary/Treasurer



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Governor Proclaims Public Works Week in North Dakota

Bismarck, North Dakota

BISMARCK, N.D. – Gov. Jack Dalrymple has proclaimed May 17 through 23, 2015, as Public Works Week in North Dakota.

Public Works Week is observed annually to celebrate the contributions of public works professionals, including those who manage community water, sewer, public transportation, and refuse-removal systems, as well as those who are responsible for maintaining public buildings and grounds.

"We value our communities and the role public works professionals play in keeping them safe and functioning smoothly," said Chuck Abel, executive secretary for the North Dakota Chapter of the American Public Works Association. "Public works professionals maintain and improve the systems and services vital to a community's health, safety and comfort."

For more information about Public Works Week, contact Chuck Abel at 701.328.5207.

Please note: Proclamation to follow.

WHEREAS, public works infrastructure, facilities and services are of vital importance to the health, safety and well-being of the people of North Dakota; and

WHEREAS, it is important for the citizens and civic leaders of this state to gain knowledge of and to maintain a progressive interest in the public works needs and programs of their respective communities; and

WHEREAS, public works professionals, engineers and administrators are responsible for and must design, build, operate and maintain the transportation, water supply, sewage and refuse disposal systems, public buildings, and other structures and facilities essential to serving our citizens; and

WHEREAS, North Dakota's public works professionals, engineers and administrators should be recognized for their dedication and contributions to the growth, development and stability of our state.

NOW, THEREFORE, as Governor of the State of North Dakota, I do hereby proclaim May 17-23, 2015, PUBLIC WORKS WEEK in the state of North Dakota.

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Minutes of the Board of Trustees Meeting
North Dakota Section of AWWA

January 21, 2015 Bismarck, ND

The winter meeting of the North Dakota Section of the American Water Works Association was held at the Ramkota Inn of Bismarck, N.D. on January 21, 2015. Present at the meeting were Chair, Dennis Larson; Past Chair, Jason Sorenson; Chair-elect, Meredith Quinn; Director-elect, Tim Paustian; Trustees, Mike Berg; Secretary/Treasurer, David Bruschwein; Assistant Secretary/Treasurers, Greg Wavra, and Shawn Heinle. Others attending the meeting were Dean Sletten, Dustin Dale, Aaron Wellman, Bryan Schmitt, Dr, Wei Lin, and Mark Peterson.

The meeting was called to order by Ms. Quinn at 8:10 a.m.

There was no Secretary's Report as there were no minutes prepared from the October 22, 2014 Board Meeting.

Mr. Wavra presented the Treasurer's Report. As of December 31, 2014, the section had income of $33,731.88 and expenses of $29,483.58. This leaves an overall profit for 2014 of $4,248.30. The section has $34,764.93 in the checking and money market accounts. The section also has $84,354.80 in student support endowments and reserve accounts. There was discussion on the finances for 2014. The format of the new print-out was covered. Ms. Quinn moved to accept the Treasurer's report. Mr. Sorenson seconded and the motion carried.

Committee Reports
Education and Research Committee - Ms. Quinn and Mr. Dale

Mr. Dale covered the 2016 Surface Water Workshop. The Workshop will be April 26, 27 and 28 of 2016.

Ms. Quinn talked about ideas for the fall NDWPCC. She discussed doing a call for papers with a deadline of mid-April.

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Membership
Mr. Sletten reported the Section is at 260 members, including 13 that are late on their dues. The Section did meet its goals for the 2014 Membership Challenge. Everybody thanked Dean for the excellent job that he did in the Membership Challenge.

WFP
Mr. Bruschwein reported that the Section raised almost $10,000 in 2014. The goal of the committee was to again raise at least $5,000 to attain the level of country sponsor.

WUC
Mr. Peterson reported the council is preparing for the up-coming Fly-In. Details are not set yet and he is looking for people interested in attending. He also mentioned that Eric Volk is covering the legislative session this year.

Director's Report
Mr. Paustian presented the Director's Report. The Mid-Winter Board Meeting had just been held in Santa Fe. The Association budget approved in December was at $30,000,000 and includes $600,000 of profit for the year.

Old Business
Mr Wavra and Mr. Bruschwein covered the EPA training grant. The training session will be held at the Environmental Training Center in early September. The Health Department is willing to cover 4 hours of the training so the Section needs to find instructors for the other 4 hours.

Mr. Wavra presented a proposed budget for 2015. Mr. Sorenson moved to accept the 2015 budget. The motion was seconded by Mr. Berg and the motion passed. There was no other old business.

New Business
Chair Larson appointed the following committees with the Board's approval;

Trustee – Ms. Quinn (chair), Mr. Bruschwein, Mr. Hesch

Fuller – Mr. Wavra (chair), Mr. Jochim, Mr. Sletten, Ms. Quinn, Mr. Stockert

Operator Meritorious – Mr. Sletten (chair), Mr. Wavra, Mr. Heinle

The RMSO will be held in Rosemount, Illinois in April. Mr. Dale expressed an interest in attending.

The North Dakota Section will host the RMSO in 2016. The Board decided at the October 2014 meeting that the best location for the RMSO is in Fargo. The local arrangements committee is Mr. Dale, Mr. Paustian, Mr. Sletten, and Mr. Peterson.

Donations to organizations are in the budget.
The donations for 2015 will be as follows: WRF (AWWARF), $250; Gateway to Science, $1,000; Dakota Science, $150, North Dakota Science Center $750.

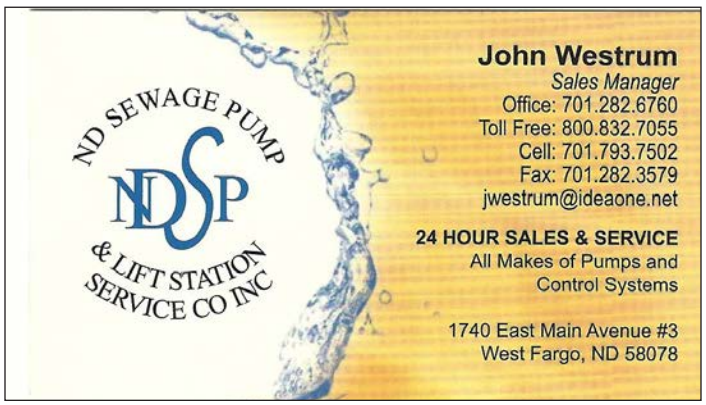
Drinking Water Week is the May 3rd to May 9th 2015. The Mr. Wavra and Mr. Wellman will arrange a Governor Proclamation signing photo and a press release. The Section will not place an advertisement in state newspapers this year.

Mr. Bruschwein regretfully submitted his resignation as Secretary/Treasurer as of the end of the May 2015 Board Meeting. His current workload no longer allows him to give the time to the position that it deserves. He is willing to stay on as an Assistant Secretary/Treasurer.

Mr. Sletten informed the Board that the Poster Competition winner won both the North Dakota and Minnesota competitions and is planning to represent Minnesota. Therefore the committee is looking at sending the second place winner to represent the North Dakota.

Mr. Wavra motioned to adjourn. Mr. Sorenson seconded. The meeting adjourned at 9:50 a.m.

Respectfully submitted,
David Bruschwein
Secretary- Treasurer



Well Disinfection Fact Sheet

North Dakota Department of Health

A water well can become contaminated during construction or repair. Flooding also can contaminate a well. Contamination may be bacterial, chemical or both. For bacterial contamination (no chemical contamination suspected), the simplest and most effective way to destroy harmful bacteria in a well and plumbing is disinfection with a chlorine solution. Before disinfecting, the well should first be pumped to remove as much contaminated water as possible. After pumping, the well can be treated with a chlorine solution. The effectiveness of disinfection depends on the concentration of disinfectant, the time it is allowed to remain in the water, well construction and overall water quality. Follow the procedure below to ensure effective disinfection.

If chemical contamination is suspected, contact your local public health unit or the North Dakota Department of Health for sampling and testing advice. This would apply, for example, if your well water has an uncharacteristic and strong chemical taste and/or odor. If you suspect a problem with a specific chemical, analysis can be targeted toward that chemical. Do not drink the water until it is determined to be biologically and chemically safe.

Procedure for Disinfecting a Well:

1. Before you start, you need to know (a) the diameter of your well casing pipe, (b) the depth to water in your well, and (c) the total depth of your well. This information should be noted on your well driller's log if it is available. If not, measure the diameter of the well casing pipe, the depth to the top of the water in your well and the total depth of your well. Subtract the depth to the top of the water from the total depth of your well to get the length of the water column in your well. Once you know the length of the water column in the well and the casing pipe diameter, use the table provided in this fact sheet to determine how much chlorine you need for every 10 feet of water in your well. Measure enough disinfectant for every 10 feet of water in your well and add it to 5 gallons of water in a bucket. You can find chlorine at most grocery stores in the form of laundry bleach (with no artificial scents), sold under such trade names as Hilex, Clorox and Purex. Sixty-five percent calcium hypochlorite powder or tablets are available from water treatment or swimming pool companies.

2. Pour the chlorine and water mixture into the well casing pipe. If you are repairing or constructing a well, chlorine should be added just before you install the pumping equipment.

3. Bacteria are destroyed when they come into contact with chlorine. Agitate the water in the well to ensure thorough mixing. To do this, turn on your outside faucet. Using a hose, rinse down the inside of the well casing until you can smell the chlorine in the water coming out of the hose. If you have a deep well with a high water level, you may need to add chlorine through a hose inserted down the well casing pipe. You may also drop calcium hypochlorite tablets down the well casing pipe to ensure proper mixing.

4. The tanks, pipes and fixtures in your water system should be disinfected at the same time as the well. Open all faucets and let the water run until chlorine can be smelled at each faucet. Turn off all faucets.

5. Allow the chlorine solution to remain in the well and piping system for 12 to 24 hours. Before drinking the water or using the well, pump the well and run all faucets until you can no longer smell chlorine. To prevent hydraulic overload, do not discharge large volumes of chlorinated water to your septic system. In addition, do not discharge the water onto delicate plants or lawns, as chlorine will kill vegetation.

6. When time does not permit well disinfection by this procedure, you can superchlorinate the well by using four times the amount of chlorine listed on the table. Allow the chlorine solution to remain in the well and piping system for at least two hours. Pump the well and run all faucets to remove any trace of chlorine.

For assistance in disinfecting your well, call a certified well driller, your local public health unit or the North Dakota Department of Health. Proper well construction is critical to the safety of drinking water. If your well is not properly sealed and protected, it can become contaminated at any time.

Procedure for Laboratory Testing:
After flushing your drinking water system to remove all chlorine, a water sample should be submitted to a laboratory for bacteriological analysis. Special sample containers for this test are available from the laboratory. If the test shows that harmful bacteria are still present in the water, chlorination should be repeated. Do not drink the water until you get a test result showing the water is free from harmful bacteria.

Certified Bacteriological Laboratories:

Astro-Chem Lab, Inc.
4102 – 2nd Ave. W
PO Box 972
Williston, ND 58801
701.572.7355

Fargo Cass Public Health
435 – 14th Ave. S
Fargo, ND 58103
701.298.6986

First District Health Unit
801 – 11th Ave. SW
PO Box 1268
Minot, ND 58702-1268
701.852.1376

Southwestern District Health Unit
2869 – 3rd Ave. W
Dickinson, ND 58601
701.483.0171 / 800.697.3145

Grand Forks Environmental Laboratory
503 South 4th St.
PO Box 5200
Grand Forks, ND 58206
701.746.2594

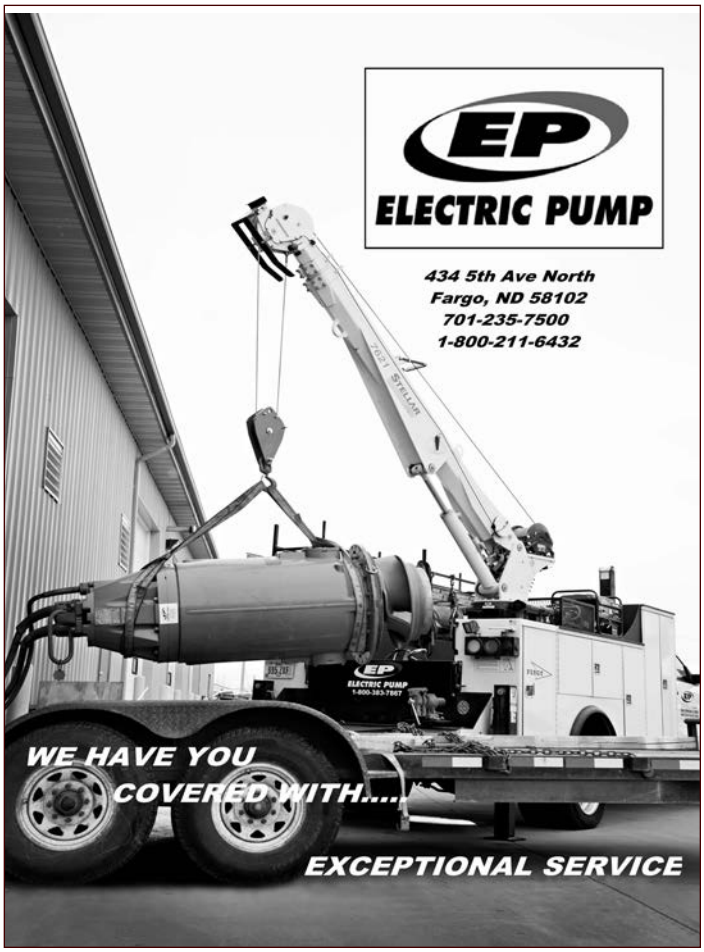
Division of Laboratory Services
North Dakota Department of Health
2635 East Main Ave.
PO Box 5520
Bismarck, ND 58502-5520
701.328.6272

Minnesota Valley Testing Laboratories
1411 South 12th St.
Bismarck, ND 58504
701.258.9720 / 800.279.6885

Charges for services will vary. Check with the laboratory to ensure it can perform the tests you need.

QUANTITY OF DISINFECTANT REQUIRED
(provides a concentration of about 100 milligrams per liter or 100 parts per million)

Diameter of Well Pipe (inches)	Gallons/10 ft. of Pipe Inside	Disinfectant for every 10 feet of water in your well: 5 1/4% Sodium Hypochlorite*	65% Calcium Hypochlorite** Tablets	65% Calcium Hypochlorite** Powder
2	1.63	2 1/2 teaspoons	1/4	1/2 teaspoon
3	3.67	2 Tablespoons	1/2	3/4 teaspoon
4	6.52	1/4 cup	1	1 1/4 teaspoons
5	10,20	1/3 cup	1 1/4	2 teaspoons
6	14.68	1/2 cup	1 3/4	1 Tablespoon
8	26.11	1 cup	3 1/4	1 1/2 Tablespoons
10	40.80	1 1/4 cup	5	2 Tablespoons
12	58.75	2 cups	8	3 Tablespoons
18	132.20	4 cups	16	1/2 cup
24	235.02	1/2 gallon	30	1 cup
36	528.80	1 gallon	65	2 cups
48	940.09	2 gallons	116	3 1/2 cups



North Dakota Water Environment Association Executive Committee Meeting

May 19, 2015 Bismarck, ND

The Executive Committee for the North Dakota Water Environment Association (NDWEA) met at the Ramkota Inn in Bismarck on May 19, 2015. Present were President-Elect Gary Zuroff, Vice President Michael Quamme, Past President Wei Lin, Past President and Delegate Karla Olson, Professional Wastewater Operators representative Don Wald, Secretary-Treasurer Bill Gefroh, and NDWEA Operations and Safety Committee member Wayne Offerdahl. Also attending were NDWEA member Seth Lynne and guest Larry Anderson.

President-Elect Gary Zuroff called the meeting to order at 11:57 a.m. President-Elect Zuroff requested a motion to dispense with the reading and approval of the minutes from the January 21, 2015 meeting as distributed to the Executive Committee members. Karla Olson so moved. Michael Quamme seconded the motion and the motion passed.

Bill Gefroh presented the Treasurer's Report, which reviewed in detail the receipts and expenses from January 1, 2015 through April 30, 2015. The NDWEA net worth as recorded in the report was $11,272.85 as compared to $8,291.33 last year at this time. President-Elect Zuroff requested a motion to approve the report as presented. Karla Olson so moved. Wei Lin seconded the motion and the motion passed. Current membership is at 130.

Old Business:
Potential topics and presenters were discussed for the 2015 North Dakota Water and Pollution Control Conference (NDWPCC) that will be held in Bismarck, October 6 – 8, 2015 at the Ramkota Inn. The list of topics and presenters generated will be submitted to the NDWPCC Secretary-Treasurer for follow-up presenter commitment to present at the 2015 conference.

The NDWEA would like to thank Seth Lynne and Don Tucker for being judges at the 65th Annual North Dakota State Science & Engineering Fair (NDSSEF) at Grand Forks on March 27, 2015. The best water quality project for the junior division was Jack Zorn, with Griggs County Central School District, project title "Drain Pain: What is the Bacon Grease Doing". The best water quality project for the senior division was Lakin Mauch with Hankinson School District, project title "An Assessment of Drainage Systems in Richland County Corn Fields". The NDWEA Stockholm Junior Water Prize (SJWP) winner was Desa Sand with Ellendale High School, project title "Grazing For Rain". Desa Sand will compete at the national SJWP event on June 19-20, 2015 at Herndon, Virginia.

NDWEA received thank you letters were received by the Gateway to Science, River Keepers, Water Environment Research Foundation, NDSEF and Lakin Mauch for monetary support in 2015.

New Business:
The North Dakota State University (NDSU) Student Chapter plans on sending twelve students to the 2015 Water Environment Federation Technical Exposition Conference (WEFTEC) in Chicago on October 26 - 30, 2015 to participate and support the NDSU Student Chapter in the WEFTEC Student Design Competition.

There was a discussion held on how NDWEA could help to defray costs for an executive committee member to attend WEFTEC by paying for their WEFTEC registration fee. When budgeted funds are not used for an executive committee member(s) to attend a Water Environment Federation Member Association Exchange meeting, also called WEFMAX, then the following year those funds can be used by one or two executive committee member(s) to help pay for their WEFTEC registration. The amount budgeted was up to $1,000 in total. Karla Olson made a motion to approve this funding, it was seconded by Wei Lin and the motion carried.

With no further business, President-Elect Gary Zuroff adjourned the meeting at 1:10 p.m.

Respectfully submitted,
Bill Gefroh
NDWEA Secretary-Treasurer

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Is Your Utility Prepared to Fight Misinformation on Social Media?

by: Heather Syverson, AE2S Communications Coordinator

Many utilities, municipalities, and businesses successfully use Facebook, Twitter, Instagram, YouTube, and other social media channels to connect and share information with their customers. When used to augment the more traditional public information methods, social media can be one of the fastest and most efficient ways to provide information to the public. A Pew Research Center study found that nearly one third of adults in the U.S. get at least some of their news from Facebook.

"Traditionally, utility companies have provided important information through scripted press releases. Traditional public information channels are still important, but utility companies should also build a social media presence on which they can communicate in modern, effective, and personal ways. It's no longer sufficient to just 'push out' information to the public. Information needs to become part of an ongoing conversation with the consumer, and social media is a perfect channel for that," says Daron Selvig, AE2S Communications Specialist.

One of the greatest benefits of going social is the ability to immediately share information on your own terms rather than waiting for traditional media outlets to broadcast your message. In fact, many savvy reporters follow businesses, utilities, and local government on social media because it's such a convenient way to receive information and news tips. "Social media has moved beyond the point of being an afterthought or a luxury for maintaining good relations with customers and the public. It has evolved into a mainstream channel of communication," says Selvig.

Unfortunately, rumors and misinformation can spread just as quickly as legitimate news. Just a few "tweets" or "shares" can kick the rumor mill into high gear, which can snowball into calls and emails from concerned citizens. For instance, during the peak of the Ebola scare in late 2014, false information spread on social media that the outbreak had reached Iowa. The Iowa Department of Public Health acted quickly and released an official statement to shut down the misinformation.

Here are some tips for combating misinformation online:

1. Monitor Your Accounts: It's not enough to just set up a Facebook page or Twitter account. At least one person should be designated to check the utility's accounts on a daily basis. The same person should be responsible for posting information and responding to posts. Employees who have their own social media accounts should also be encouraged to report misinformation or complaints that they spot online.

2. Get Ready: Identify worst case scenarios that could negatively affect your agency - water contamination, responses to rate changes, watermain breaks, flooding or storm damage, etc. Create general guidelines for how the utility will respond.

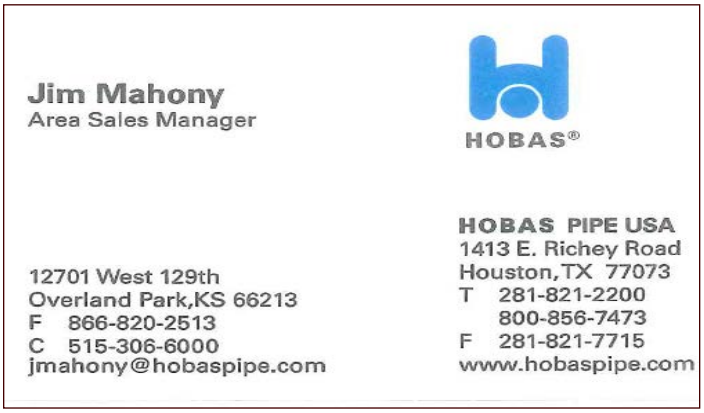
3. #HotTopics: Be aware of what is going on in the news, your community, and your business. Hashtags are an easy way to search for specific topics on Facebook, Twitter, and Instagram. For instance, after an oil spill in Glendive, MT, many people used #OilSpill in their Facebook posts and tweets. Flood fighters in Fargo, ND have shared photos and information about flood conditions with #FargoFlood. Similarly, #MSPstorm was used after a powerful wind storm in Minneapolis. You can search specific hashtags on individual social media sites or use a website like TagBoard.com to simultaneously search multiple social media sites.

4. Don't Delay: During emergencies such as water contamination, uncertainty can spur people to find other sources of information about the situation. The longer an organization waits to respond, an increasing number of rumors will fill the gaps left by official channels of information such as your social media accounts.

5. Be Clear: Instead of saying "Mandatory water conservation measures could be in place for several days," it's better to say, "Mandatory water conservation measures will be in place for as many as ___ days. Until further notice, please limit water usage to essential use only." The second message conveys a timeframe that customers can expect to be impacted along with specific instructions.

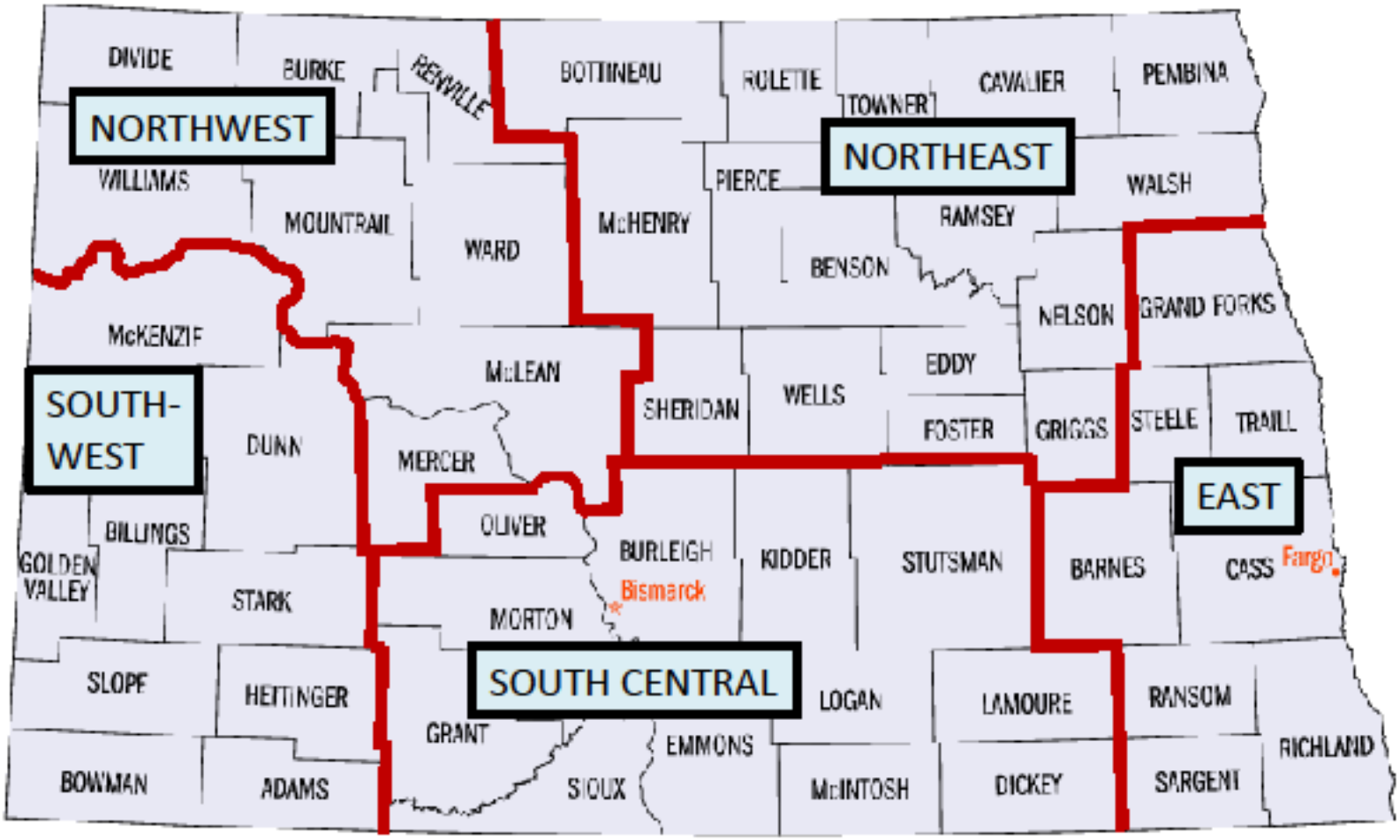
6. Consider Visuals: Be open to using infographics, photos, and videos to share information. An infographic could be the perfect way to explain what "essential use" means when water conservation is necessary. And simple cell phone photos or videos can be used to quickly clear up misinformation. As an example, let's say there are complaints that the public works department isn't fixing potholes in a timely manner. Posting or tweeting a photo of crews working on the problem can immediately convey the truth.

If you have questions about social media, contact Daron Selvig, AE2S' social media guru. The AE2S Communications team is comprised of professionals experienced in public information, crisis communication, video production, and social media as well as web and graphic design experts to serve a variety of clients and their projects.



Municipal Facilities Inspection Regions

Water Treatment, Water Distribution, Wastewater Collection & Wastewater Treatment



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55th Annual Water and Wastewater Operator Training Program

by Craig Bartholomay, North Dakota Department of Health

This past March and April, the North Dakota Department of Health, the North Dakota Water and Pollution Control Conference, the North Dakota Section of the American Water Works Association, the North Dakota Chapter of the American Public Works Association, and the North Dakota Water Environment Association sponsored the 55th Annual Water and Wastewater Operator Training Program.

There were six sessions offered with a total of 334 attendants.* Water treatment and distribution classes were offered March 2-4, March 9-11, March 23-25, and March 30-April 1. Wastewater treatment and collection classes were offered April 13-15, and April 20-22.

TRAINING SESSIONS	NUMBER OF ATTENDANTS
Water Treatment and Distribution	
March 2,3,4	59
March 9,10, 11	57
March 23, 24, 25	55
March 30, 31, April 1	60
Wastewater Treatment and Collection	
April 13, 14, 15	51
April 20, 21, 22	52
Total number of attendants:	334

* Some operators attended more than one session

The objectives for these classes are to fulfill the continuing education credit (CEC) requirement for certified operators, to hear presentations regarding regulations and how to avoid mistakes that can lead to noncompliance, to learn general operation and maintenance topics, and to give operators an opportunity to write a certification exam. The courses are not geared specifically to prepare operators for certification exams.

During the training classes, there were six operator examination sessions scheduled. These were reserved for the last day of each session. The Department administered 265 examinations this year, with a passage rate of 75%.

EXAMINATION SESSION	NUMBER OF EXAMINATIONS WRITTEN
March 4	44
March 11	39
March 25	48
April 1	50
April 15	39
April 22	45
Total number of examinations written:	265

The following is a breakdown of the certification examinations that were written during the 2015 operator training sessions:

EXAMINATION CLASSIFICATION	IA	I	II	III	IV	TOTALS
Water Treatment	14	29	14	2	3	62
Water Distribution	36	48	16	6	2	108
Wastewater Treatment	7	18	5	4	2	36
Wastewater Collection	21	28	4	5	1	59
TOTALS:	78	123	39	17	8	265

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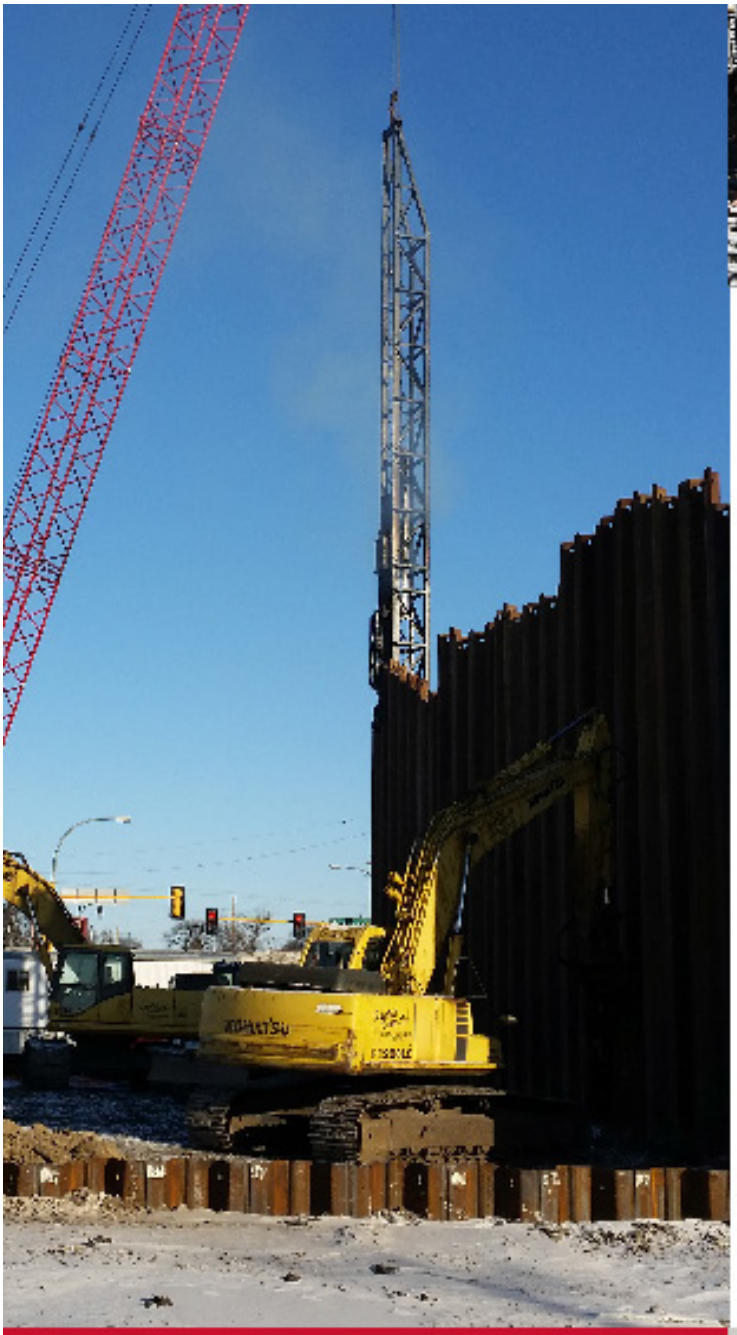

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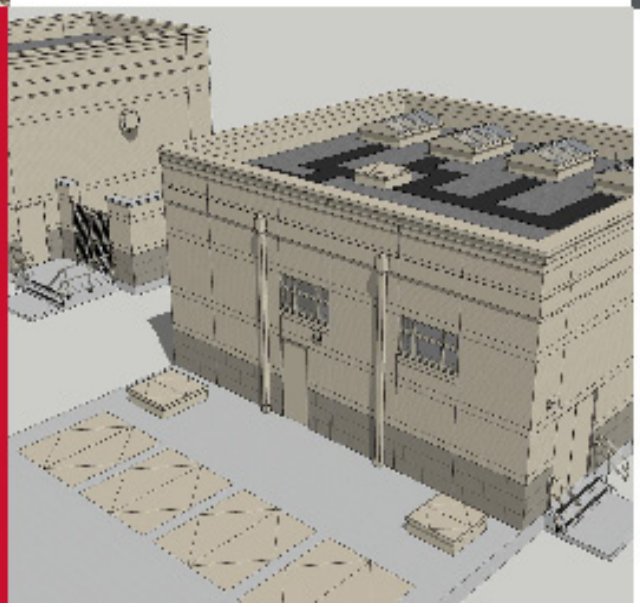

NORTH DAKOTA WATER YOUNG PROFESSIONALS

The Young Professional of the Year Award was established to recognize the contributions of a young professional in the state of North Dakota whose service and achievements are exceptional for their years of service. The award is given annually by the North Dakota Young Professionals Committee (NDWYP) to one young professional member of an organization active in the North Dakota Water and Pollution Control Conference (NDWPCC).

Eligibility Requirements for Nomination:

- A member in good standing with their respective organization's member association (NASECA ND, NDAWWA, NDAPWA, and/or NDWEA).
- Less than 35 years of age or less than 10 years of experience in the industry at the time of the state conference.
- Demonstrated commitment to the organization by participation in professional meetings, committees, events, and activities.
- Positive service to the community and profession by way of good fellowship, leadership, and commitment.

To obtain an application form please contact Qigang Chang, NDWYP Chair at Qigang.Chang@AE2S.com. Applications are due by 5:00 PM Friday, September 4th so be sure to get them in early.

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Summer Operator Testing Scheduled

The summer operator certification exam session will be held on August 4th & 5th, 2015 at the Environmental Training Center located at 2639 East Main Avenue in Bismarck. Examination times will be from 8:00 a.m. to 4:00 p.m. **To ensure adequate time for exams, testing must begin by 11:00 a.m.** Please indicate time of arrival on exam application form. If you don't have a copy of the application, you can print one by visiting: http://www.ndhealth.gov/mf/forms/Operator_Certification_Application.pdf.

Renewal and exam fees must be paid prior to testing.

Applications must be received by JULY 17, 2015.

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

North Dakota Water and Pollution Control Conference

NDWPCC

Upcoming Conference Dates:

2015 - Bismarck, October 6, 7 and 8 Ramkota Hotel

2016 - Minot, October 11, 12 and 13 Holiday Inn Riverside

2017 - Fargo, October 17, 18 and 19 Holiday Inn

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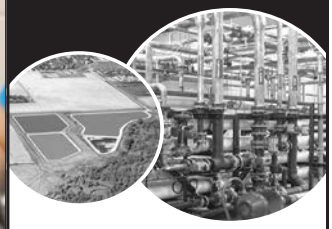

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Operators Pass Certification Examinations (March-April 2015)

Congratulations to the Operators

Operator	Employer	Certification Type/Grade
Albrecht, James	Casselton City Of	Water Distribution 02
Alyea, Josh	Zap City Of	Water Distribution 1A
Anderson, Brian Lee	Grand Forks Air Force Base	Water Distribution 02
Andre, Justin	North Prairie RWD-System III	Wastewater Collection 1A, Water Treatment 02
Backowski, John	Cargill Sweeteners	Wastewater Treatment 04
Benz, Justin	Beulah City Of	Water Distribution 02, Water Treatment 02
Binstock, Clarence	New England City Of	Wastewater Collection 01
Blodgett, Paul	Granville City Of	Wastewater Collection 1A, Water Distribution 1A
Bosey, Philip	North Prairie RWD-System 1&2	Water Distribution 1A
Boucher, Steven	Leland Olds Station	Water Distribution 1A
Braden, Mike	Beach City Of	Wastewater Collection 01, Water Distribution 01
Brotherton, Roderick	North Prairie RWD-System III	Water Distribution 1A, Water Treatment 1A
Brunen, Andy	New Salem City Of	Wastewater Collection 01, Wastewater Treatment 01, Water Distribution 01
Carriveau, Jason	West Fargo City Of	Wastewater Collection 01, Water Distribution 01
Dehne, Heather	Cleveland City Of	Water Distribution 1A
Dockter, Todd	Ashley City Of	Wastewater Collection 1A
Elliott, Cody	American Crystal Sugar	Wastewater Treatment 01
Erhardt, Dillon	South Central RWD	Water Treatment 1A
Everson, Kelly	Valley City City Of	Water Distribution 02
Feakes, Dave	Central Plains WD	Water Treatment 01
Fischer, Mike	Bismarck City Of	Wastewater Collection 03, Water Distribution 03
Froelich, Joe	Southwest Water Authority	Water Treatment 01
Giese, Tom	McClusky City Of	Water Distribution 1A
Gohl, Russ	Minot Air Force Base	Wastewater Collection 01, Water Distribution 01
Hanson, Cody	Dickinson City Of	Wastewater Collection 01
Haring, Kevin	Oakes City Of	Water Distribution 03, Water Treatment 03
Heisler, Keith	North Prairie RWD-System III	Water Distribution 1A, Water Treatment 1A
Heuer, Leslie	Cass RWD-Phase I	Water Treatment 04
Aumiller, Steven	Grand Forks City Of	Wastewater Collection 01
Bachler, Mark	South Central RWD	Wastewater Collection 1A, Water Distribution 01
Berend, Brian	Cargill Sweeteners	Wastewater Collection 01, Wastewater Treatment 01

Operator	Employer	Certification Type/Grade
Bolton, Steven G	Grand Forks City Of	Wastewater Collection 03, Wastewater Treatment 01
Brodal, Cody	Mapleton City Of	Wastewater Collection 01, Wastewater Treatment 01
Brown, Kendell	Williston City Of	Water Treatment 01
Brown, Robby	Velva City Of	Wastewater Collection 1A, Wastewater Treatment 1A
Buelow, Gary	Mohall City Of	Wastewater Treatment 1A, Water Distribution 1A
Carufel, Travis J	Bismarck City Of	Wastewater Treatment 04
Cascaden, Taylor	Parshall City Of	Water Treatment 01
Clarys, Curtis	Williston City Of	Water Distribution 02
Degenstein, Steven	Minot Air Force Base	Wastewater Collection 1A, Water Distribution 1A
Fonua, Daniel	Ridgeview Park	Water Distribution 1A, Water Treatment 1A
Grammond, Perry	Bismarck City Of	Water Treatment 02
Grant, Ed	McKenzie County RW-System 2	Water Distribution 01
Grzadzieleski, Jason W.	Bismarck City Of	Water Distribution 04
Guerrero, Jose	Tioga City Of	Wastewater Treatment 1A, Water Distribution 1A
Harter, Nathaniel	South Central RWD	Water Treatment 1A
Hartman, Lucas	Beulah City Of	Water Distribution 1A
Hasbargen, Gary	Wahpeton City Of	Water Distribution 01
Hatter, Keith	Williams RWD	Water Distribution 01
Haugen, Joshua	Crary City Of	Water Distribution 1A
Hegney, Keith	Surrey City Of	Wastewater Collection 01, Water Distribution 01
Helland, Gary	Pembina City Of	Wastewater Collection 01, Water Distribution 01
Hoffman, Gary	Watford City City Of	Wastewater Collection 02
Holzer, Paul	South Central RWD	Water Distribution 01, Water Treatment 1A
Johnson, Allen M	Minot City Of	Water Treatment 02
Jons, Travis	Lincoln City Of	Wastewater Collection 1A
Hieb, Jonathan	Great River Energy - Stanton Station	Water Distribution 01, Water Treatment 02
Horst, David	Bismarck City Of	Water Treatment 01
Houle, Jason	Williston City Of	Water Distribution 1A
Huston, Trent	Dickinson City Of	Wastewater Collection 02
Idland, Brandon	Carrington City Of	Water Distribution 1A
Irvine, Joshua	Park River City Of	Water Treatment 01
Jeffries, Terry	Watford City City Of	Wastewater Treatment 02, Water Distribution 02
Kassian, Larry	South Central RWD	Water Distribution 02
Keller, Robbie	Mott City Of	Water Distribution 1A
Kendall, Tanyor	Minot Air Force Base	Wastewater Collection 01, Water Distribution 01

Operator	Employer	Certification Type/Grade
Kohler, Stephen	Williston City Of	Wastewater Collection 02
Koval, Charles	Cargill Sweeteners	Wastewater Treatment 02
Kristiansen, Roger	Napoleon City Of	Wastewater Treatment 01
Larson, Blaine	Cooperstown City Of	Wastewater Treatment 01
Lawson, Gary	Cavalier City Of	Wastewater Collection 01, Water Distribution 01
Leier, Crystal	Leland Olds Station	Water Distribution 1A
Lerohl, Gene	Stanley City Of	Wastewater Collection 01
Loll, Mike	Hankinson City Of	Water Distribution 01
Lund, Ronnie	Tioga City Of	Wastewater Collection 01, Water Distribution 01
Martinson, Steve	Greater Ramsey WD	Wastewater Collection 1A, Water Treatment 02
Miller, Dan	Carrington City Of	Water Treatment 1A
Moon, Eric	Neche City Of	Wastewater Collection 1A
Morrow, Mike	Grand Forks City Of	Wastewater Collection 04
Mostad, Gerald	Southwest Water Authority	Water Distribution 03
Moszer, Mark	Bismarck City Of	Water Distribution 04
Muller, Andrew	Cargill Sweeteners	Wastewater Collection 1A, Water Distribution 1A
Mutcher, Joe	Grand Forks-Traill WD	Water Distribution 01
Myers, Randy	Cooperstown City Of	Water Distribution 1A, Water Treatment 1A
Kaiser-Lee, Amanda	Williston City Of	Water Treatment 02
Kalenze, Linus	Minot Air Force Base	Wastewater Collection 01
Kallberg, Russell	Minot Air Force Base	Wastewater Collection 1A, Water Distribution 1A
Kjonaas, Rich	Casselton City Of	Wastewater Collection 01
Klabo, Travis	Jamestown City Of	Wastewater Treatment 02
Knight, Ben	Westhope City Of	Water Distribution 1A, Water Treatment 1A
Leidholm, Doug	Dakota Gasification Co	Water Distribution 01, Water Treatment 02
Lynch, John	Stanley City Of	Wastewater Collection 01, Wastewater Treatment 01
Matzke, Brian	West Fargo City Of	Water Distribution 01
McNelis, Nicholas	Grand Forks City Of	Water Treatment 01
Meyer, Jeremy	Crown Butte Coop	Wastewater Collection 1A
Mikkelson, Amber	Minot Air Force Base	Wastewater Collection 1A, Water Distribution 1A
Munson, Jason	New Rockford City Of	Wastewater Collection 1A, Wastewater Treatment 1A
Newbrough, Robin	Cargill Sweeteners	Wastewater Collection 1A, Water Distribution 1A
Ragan, Brittany	West Fargo City Of	Water Distribution 01
Reidburn, Dana	Jamestown City Of	Wastewater Treatment 01
Rieke, Dustin	Minot City Of	Water Distribution 01
Rohrich, Mike	Missouri River Correctional	Water Distribution 1A
Sather, David A	Barnes RWD	Water Distribution 03

Operator	Employer	Certification Type/Grade
Schaffer, Heath	LaMoure City Of	Wastewater Collection 01, Wastewater Treatment 01, Water Distribution 01
Schon, Kathy	Mercer City Of	Water Distribution 1A, Water Treatment 1A
Stegall, Dina	Egan Crest	Water Distribution 1A
Stieg, Brad	Dickinson City Of	Water Distribution 02
Stoner, Terry	Dakota Gasification Co	Water Distribution 01
Swartz, Jeremy	Minot Air Force Base	Wastewater Collection 1A
Thielen, Travis	Dickinson City Of	Water Distribution 01
Torgerson, Dustin	Minot Air Force Base	Wastewater Collection 01, Water Distribution 01
Vetter, Donald A	South Central RWD	Water Treatment 03
Newland, Bobby	Grand Forks City Of	Wastewater Collection 1A
Newman, Jason	Valley City City Of	Water Distribution 02
Nordrum, Del		Water Distribution 1A
Nordstrom, Gary	Southwest Water Authority	Water Distribution 02
Norstog, Jamie	McKenzie County RWD - System 1 & 4	Water Distribution 1A
Oakley, Brian	Watford City City Of	Water Distribution 1A
Olson, Ronald D	Jamestown City Of	Wastewater Treatment 04
Paddock, Mark	Minot City Of	Water Treatment 04
Parton, Janet	Minot City Of	Water Treatment 02
Petersen, Steve	Hunter City Of	Water Distribution 1A
Peterson, John	Minot Air Force Base	Wastewater Collection 01, Water Distribution 01
Schatz, Mark	Leland Olds Station	Water Distribution 1A
Schell, Brandon	Lisbon City Of	Water Distribution 1A, Water Treatment 1A
Schwendeman, William	Williston City Of	Water Treatment 1A
Scott, Jamie	Mandan City Of	Water Distribution 02
Seelig, Trevor	Lisbon City Of	Water Distribution 02
Shaffer, Jeff	McKenzie County RWD - System 1 & 4	Water Distribution 01
Sheeley, Jeremy	Fargo City Of	Water Treatment 04
Smith, Douglas	South Central RWD	Water Distribution 02
Smith, Jeremy	McKenzie County RWD-System 2	Water Distribution 1A
Smith, Justin	Watford City City Of	Wastewater Collection 03
Sokolofsky, Andrew	Southwest Water Authority	Water Treatment 01
Soukup, Bryan	Dickinson City Of	Water Distribution 01
Splitt, Robert	Dakota Gasification Co	Water Distribution 01, Water Treatment 02
Udell, Shawn	Carson City Of	Wastewater Collection 1A, Wastewater Treatment 1A, Water Distribution 1A
Warren, Brian	Minot City Of	Wastewater Collection 03
Weaver, Matthew	Mayville City Of	Wastewater Collection 01, Wastewater Treatment 01, Water Treatment 01

Operator	Employer	Certification Type/Grade
Wiedrich, Daniel	Dakota Gasification Co	Water Distribution 01, Water Treatment 02
Walker, Sean	Alexander City Of	Wastewater Collection 01, Wastewater Treatment 01
Weiner, Chris	Grand Forks City Of	Water Distribution 03
Weinmann, Jamey	Harvey City Of	Water Distribution 02
Weltikol, Billie	Antelope Valley Station	Water Distribution 1A
Wentz, Andy	North Prairie RWD-System III	Water Distribution 01, Water Treatment 1A
Woessner, Kelly	Parshall City Of	Water Treatment 01
Wold, Brett	Watford City City Of	Water Treatment 01
Wolf, Jordan	Carrington City Of	Water Treatment 02
Zimmerman, Kim	Washburn City Of	Wastewater Treatment 01

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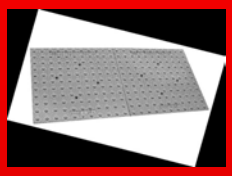
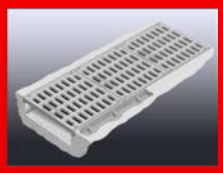
Manhole Castings

Catch Basin Castings

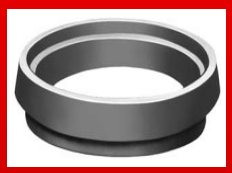
Truncated Domes



Trench Grating

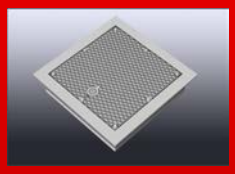


Paving Rings



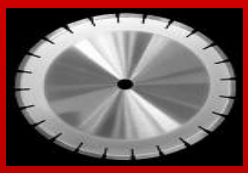
Tree Grating

Access Hatches



Fabricaton Products

Saw Blades



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Attendance Roster: 55th Annual Water and Wastewater Operator Training Sessions

Environmental Training Center, Bismarck-Training Credits Issued

Operator	Employer
ADAMSON, LEE	JR SIMPLOT
ALBRECHT, JAMES	CASSELTON CITY OF
ALVIRA, NIKOMALDEUS	JAMESTOWN CITY OF
ALYEA, JOSH	ZAP CITY OF
AMUNDSON, DUSTIN	UNIVERSITY OF MARY
ANDERSON, BRIAN LEE	GRAND FORKS AIR FORCE BASE
ANDERSON, JACK	BURLINGTON CITY OF
ANDRE, JUSTIN	NORTH PRAIRIE RWD-SYSTEM III
ARENDS, PAUL	DEVILS LAKE CITY OF
ARP, LONNIE	GRAND FORKS AIR FORCE BASE
AUMILLER, STEVEN	GRAND FORKS CITY OF
BACHLER, MARK	SOUTH CENTRAL REGIONAL WATER
BARTZ, ERICH	DICKINSON CITY OF
BARTZ, PAUL	PRAIRIE LEARNING CENTER
BENZ, JUSTIN	BEULAH CITY OF
BERG, DON	ROLETTE CITY OF
BEYREIS, ALAN	GARRISON CITY OF
BLESSUM, CHAD	TRI-COUNTY WATER DISTRICT
BLODGETT, PAUL	GRANVILLE CITY OF
BLUM, BRANDON	SOUTHWEST WATER AUTHORITY
BODE, ADAM	ARTHUR CITY OF
BOSCH JR, FRANK	STRASBURG CITY OF
BOSEY, PHILIP	NORTH PRAIRIE RWD
BOUCHER, STEVEN	LELAND OLDS STATION
BOUSSON, GERALD	GARRISON CITY OF
BRADEN, MIKE	BEACH CITY OF
BREVIK, DAX	MINOT CITY OF
BRINKMAN, BRENT	CASS RURAL WATER DISTRICT
BRODAL, CODY	MAPLETON CITY OF
BROTHERTON, RODERICK	NORTH PRAIRIE RWD
BROWN, KENDELL	WILLISTON CITY OF
BROWN, ROBBY	VELVA CITY OF
BRUNEN, ANDY	NEW SALEM CITY OF
BUECHLER, TERRY	SOUTHWEST WATER AUTHORITY
BUELOW, GARY	MOHALL CITY OF
BURCH, LANORA	BISMARCK CITY OF
BURKLAND, KIM	LAKOTA CITY OF
BURRIS, JOSHUA JOE	DICKINSON CITY OF
CARPENTER, GARY	MINOT CITY OF
CARRIVEAU, JASON	WEST FARGO CITY OF
CARTER, ROSS	SHERWOOD CITY OF
CASCADEN, TAYLOR	PARSHALL CITY OF
CHRISTIANSON, BROCK	PARSHALL CITY OF
CLARYS, CURTIS	WILLISTON CITY OF
CLARYS, JOSEPH	WILLIAMS RURAL WATER DISTRICT
COREY, KEVIN	DAKOTA RURAL WATER DISTRICT
CUMMINGS, JONATHAN	WATFORD CITY CITY OF
CUMMINS, CRESCENTIA	MCKENZIE COUNTY WRD
CURL, JARED	BISMARCK CITY OF
DAVIES, BRYON	STANLEY CITY OF
DAY, BRIAN	MIDWEST ASSISTANCE PROGRAM
DEGENSTEIN, STEVEN	BASE UTILITIES INC
DEHNE, HEATHER	CLEVELAND CITY OF
DELISLE, RONALD	BISMARCK CITY OF
DEMARAY, DARWIN	TAPPEN PUBLIC SCHOOL
DEROCK BRAINE, FRANK T	STANDING ROCK SIOUX TRIBE
DEVILLERS, JOEL	CARRINGTON CITY OF
DICKSON, ROB	LINCOLN CITY OF
DOCKTER, JON	IMPERIAL VALLEY WATER CO
DOCKTER, TODD	ASHLEY CITY OF
DOLL, ANTON (TONY) J.	NAPOLEON CITY OF
DUBY, SHAWN	ARIES BUILDING SYSTEMS
ELLINGSON, MAUREEN	BERLIN CITY OF
ELLIOTT, CODY	AMERICAN CRYSTAL SUGAR HILLS
ERHARDT, DILLON	SOUTH CENTRAL RWD
ERICKSON, JR, ANDREW	SOUTHWEST WATER AUTHORITY
ERICKSON, KENNY	HARVEY CITY OF
EVERSON, KELLY	VALLEY CITY CITY OF
FALCON, LLOYD	R & T WATER SYSTEM
FEAKES, DAVE	CENTRAL PLAINS WATER DISTRICT
FISCHER, GLEN	EDGELEY CITY OF
FISCHER, MIKE	BISMARCK CITY OF

Operator	Employer
FOLK, CHARLES	KNIFE RIVER INDIAN VILLAGE
FONUA, DANIEL	RIDGEVIEW PARK LLC
FORD, KEVIN	OAKES CITY OF
FREY, MICHAEL	AMERICAN CRYSTAL SUGAR HILLS
FUCHS, DYLAN	PRAIRIE LEARNING CENTER
FULSEBAKKE, JOHN	BOTTINEAU CITY OF
GIESE, TOM	MC CLUSKY CITY OF
GILLUND, RICK	ENDERLIN CITY OF
GOEHRING, STACY L	MISSOURI RIVER CORR CENTER
GOHL, RUSS	BASE UTILITIES INC
GRAMMOND, PERRY	BISMARCK CITY OF
GRANT, ED	MCKENZIE COUNTY WRD
GRATTON, CHAD	NORTHEAST RWD-NORTH VALLEY
GROSS, DAVID	MANDAN CITY OF
GRUENBERG, LARRY A	GRT RIVER ENERGY-STANTON STA
GRZADZIELESKI, JASON W.	BISMARCK CITY OF
GUERRERO, JOSE	TIOGA CITY OF
HAIDER, MARK	MINOT CITY OF
HAMS, JON	HILLSBORO CITY OF
HANS, STEVEN	DAVENPORT CITY OF
HANSON, CODY	DICKINSON CITY OF
HARING, KEVIN	OAKES CITY OF
HARTMAN, LUCAS	BEULAH CITY OF
HATTER, KEITH	WILLIAMS RURAL WATER DISTRICT
HAUGEN, JOSHUA	CRARY CITY OF
HECKER, ALLEN T	SOUTHWEST WATER AUTHORITY
HEGNEY, KEITH	SURREY CITY OF
HEIDRICH, TIMOTHY	UNIVERSITY OF MARY
HEISLER, KEITH	NORTH PRAIRIE RWD
HELLAND, GARY	PEMBINA CITY OF
HENDRICKS, DENNIS J.	R & T WATER SYSTEM
HERMAN, TOM	UPPER SOURIS WUA-SYSTEM I
HESCH, WADE ALLEN	VALLEY CITY CITY OF
HEUER, LESLIE	CASS RURAL WD
HIEB, JONATHAN	GREAT RIVER ENERGY-STANTON STA
HOLZER, PAUL	SOUTH CENTRAL REGIONAL WD
HORST, DAVID	BISMARCK CITY OF
HOTTMAN, DENNIS	NAPOLEON CITY OF

Operator	Employer
HOULE, JASON	WILLISTON CITY OF
HUISENGA, DERICK	DAKOTALAND HOMES/ SPADER RV
HUMBLE, JEFF	DAKOTA SERVICES INC
HUNT, WILLIAM	AMERICAN CRYSTAL SUGAR HILLS
HUSTON, TRENT	DICKINSON CITY OF
HUTSLAR, TERRY	CITY OF WILTON
IDLAND, BRANDON	CARRINGTON CITY OF
IRVINE, JOSHUA	PARK RIVER CITY OF
IWEN, CHRIS	ENDERLIN CITY OF
JACOBSON, KEVIN	VALLEY CITY CITY OF
JEMTRUD, KELLY	VELVA CITY OF
JOB, ROBERT F	LINTON CITY OF
JOHNSON, ALLEN M	MINOT CITY OF
JOHNSON, BRIAN	CASS RURAL WATER DISTRICT
JOHNSON, CHAD	COOPERSTOWN CITY OF
JOHNSON, DENNIS L	TOLNA CITY OF
JOHNSTON, JOSEPH	JAMESTOWN CITY OF
JOHNSTON, JULIAN	LANGDON CITY OF
JONS, TRAVIS	LINCOLN CITY OF
KALENZE, LINUS	BASE UTILITIES INC
KALLBERG, RUSSELL	BASE UTILITIES INC
KARY, BRUCE	DICKINSON CITY OF
KASSIAN, LARRY	SOUTH CENTRAL RWD
KELLER, ROBBIE	MOTT CITY OF
KELLY, PETER	PARK RIVER CITY OF
KENDALL, TANYOR	BASE UTILITIES INC
KEYS, SHERRY RENEE	VALLEY CITY PUBLIC WORKS
KINDELSPIRE, DEL	LAMOURE CITY OF
KING, ZACK	DICKINSON CITY OF
KJELLAND, CHAD	CASS RURAL WATER DISTRICT
KJONAAS, RICH	CASSELTON CITY OF
KLEIN, LINDA	LELAND OLDS STATION
KLEVEN, BYRON	STANLEY CITY OF
KLINGBEIL, JAMES	BOTTINEAU CITY OF
KNIGHT, BEN	WESTHOPE CITY OF
KNIGHT, KENNETH D S	OUTHWEST WATER AUTHORITY
KNOLL, RODNEY	MANDAN CITY OF
KNUTSON, AARON	ANTELOPE VALLEY STATION
KOHLER, STEPHEN	WILLISTON CITY OF
KOPP, TIM	MINOT CITY OF
KOVASH, LANCE	FARGO CITY OF (WWT)
KREGER, CHRIS	IHD SOLIDS MGMT, INC
KRISTIANSEN, ROGER	NAPOLEAN CITY OF

Operator	Employer
KROLL, JASON	FARGO CITY OF
KUCHAR, DALE	OSNABROCK CITY OF
KUNTZ, PATRICK	HALLIDAY CITY OF
LARSON, BLAINE	COOPERSTOWN CITY OF
LARSON, CURTIS	STANLEY CITY OF
LAVERDURE, DARIN	KINDRED CITY OF
LAWSON, GARY	CAVALIER CITY OF
LEE, LONNY	JAMESTOWN CITY OF
LEIDHOLM, DOUG	DAKOTA GASIFICATION CO
LEIER, CRYSTAL	LELANDS OLD STATION
LEINGANG, TERRY	PARSHALL CITY OF
LEMER, GREG K.	R & T WATER SYSTEM
LEROHL, GENE	STANLEY CITY OF
LILL, KEVIN	LANGDON CITY OF
LOLL, MIKE	HANKINSON CITY OF
LUECK, GLEN	MIDWEST ASSISTANCE PROGRAM
LUND, RONNIE	TIOGA CITY OF
LYNCH, JOHN	STANLEY CITY OF
MACDONALD, J. KENNETH	POWERS LAKE CITY OF
MALINOWSKI JR, ALAN	STEELE CITY OF
MALSAM, RYAN	MANDAN CITY OF
MARKEY, JAMES A	CASSELTON CITY OF
MARSOLEK, JAMES R	JAMESTOWN CITY OF
MARTIN, DEAN	ROLLA CITY OF
MARTINSON, STEVE	GREATER RAMSEY WATER DISTRICT
MATZKE, BRIAN	WEST FARGO CITY OF
MEICHER, HEATHER	MINOT CITY OF
METZEN, BARRY	JR SIMPLOT
MEYER, JEREMY	CROWN BUTTE COOP
MIKKELSON, AMBER	BASE UTILITIES INC
MILLER, DAN	CARRINGTON CITY OF
MINGO, SAMUEL	R & T WATER SYSTEM
MITTLEIDER, CHAD	LANGDON CITY OF
MOCK, TYLER	RED TRAIL ENERGY, LLC
MONROE, JIM	ELLENDALE CITY OF
MOODY, ROBIN	ANTELOPE VALLEY STATION
MOON, ERIC	NECHE CITY OF
MOREY, TERRY	DICKINSON CITY OF
MORROW, MIKE	GRAND FORKS CITY OF
MOSZER, MARK	BISMARCK CITY OF
MULA, PHILIP	WATFORD CITY CITY OF
MULLENBERG, TIM	MINOT CITY OF
MULLER, ANDREW	CARGILL SWEETENERS
MUNSON, JASON	NEW ROCKFORD CITY OF

Operator	Employer
MURR, LEO	WAHPETON CITY OF
MURRAY, STEVEN H	MCLEAN-SHERIDAN WATER DISTRICT
MUTCHER, JOE	GRAND FORKS-TRAILL WD
MUTSCHELKNAUS, BRUCE	SOUTHWEST WATER AUTHORITY
MUTZENBERGER, MYRON	GREAT RIVER ENERGY-STANTON
MYERS, RALPH A.	R & R TRAILER COURT
MYERS, RANDY	COOPERSTOWN CITY OF
NAGEL, NATHAN	HETTINGER CITY OF
NEWBROUGH, ROBIN	CARGILL SWEETENERS
NEWLAND, BOBBY	GRAND FORKS CITY OF
NEWMAN, JASON	VALLEY CITY PUBLIC WORKS
NOHR, SELINA	CASCADE INTEGRATED SERVICES
NORSTOG, JAMIE	MCKENZIE COUNTY WRD
OAKLEY, BRIAN	WATFORD CITY CITY OF
OBERG, ANN	MCLEAN-SHERIDAN WATER DISTRICT
O'CLAIR, MICHAEL D	UPPER SOURIS WUA
OLEGARIO, STEVE	WILLISTON CITY OF
OLSON, JAY T	CARGILL SWEETENERS
OVERMOE, DAN	MAYVILLE CITY OF
PARTON, JANET	MINOT CITY OF
PETERSEN, STEVE	HUNTER CITY OF
PETERSON, JOHN	BASE UTILITIES INC.
POESCHEL, SAM	RIDGEVIEW PARK
POWERS, KEVIN	WILLISTON CITY OF
PRICE, KYLE	DICKINSON CITY OF
QUAST, DOUGLAS	MPC-MILTON R. YOUNG-STATION
RAGAN, BRITTANY	WEST FARGO CITY OF
RASMUSSEN, WESLEY	MINOT CITY OF
RATH, JAMIE	MANDAN CITY OF
REDINGER, DALE	MADDOCK CITY OF
REIDBURN, DANA	JAMESTOWN CITY OF (WWT)
REINHART, KJ	BARNES RURAL WATER DISTRICT
REIS, WILLIAM	CASS RURAL WATER DISTRICT
RENKE, MARCUS	BARNES RURAL WATER DISTRICT
RENSLAND, BRANDON	MINOT CITY OF
REPNOW, NEAL	UNDERWOOD CITY OF
RIEKE, DUSTIN	MINOT CITY OF

Operator	Employer
RIES, STEVEN	SOUTHWEST WATER AUTHORITY
ROHRICH, MIKE	MISSOURI RIVER CORR CENTER
ROLLER, DAN	SOUTHWEST WATER AUTHORITY
ROLLER, LEE ROY	BELFIELD CITY OF
ROWELL, JOE	JAMESTOWN CITY OF
RUDNICK, MATTHEW	JAMESTOWN CITY OF
SATHER, DAVID A	BARNES RURAL WATER DISTRICT
SCHAFFER, HEATH	LAMOURE CITY OF
SCHATZ, MARK	LELAND OLDS STATION
SCHELL, BRANDON	LISBON CITY OF
SCHMIDT, GARY A	MANDAN CITY OF
SCHON, KATHY	MERCER CITY OF
SCHWARTZ, BARRY	STANTON CITY OF
SCHWEIGERT, DAVE	THE COTEAU PROPERTIES COMPANY
SCHWENDEMAN, WILLIAM	WILLISTON CITY OF
SCOTT, CLINTON W	MANNING WATER BOARD
SCOTT, JAMIE	MANDAN CITY OF
SEARS, BEN	DICKINSON CITY OF
SEELIG, TREVOR	LISBON CITY OF
SEVIGNY, KEVIN J	GRAFTON CITY OF
SHAFFER, JEFF	MCKENZIE COUNTY WRD
SMITH, DOUGLAS	SOUTH CENTRAL REGIONAL WATER
SMITH, JEREMY	MCKENZIE COUNTY WRD
SMITH, JUSTIN	WATFORD CITY CITY OF
SNOOK, MIKE	WATFORD CITY CITY OF
SOKOLOFSKY, ANDREW	SOUTHWEST WATER AUTHORITY
SOMMER, DALLAS	COAL CREEK STATION
SOUKUP, BRYAN	DICKINSON CITY OF
SPLITT, ROBERT	DAKOTA GASIFICATION CO
STASSENS, TAYLOR	MINOT CITY OF
STEFFAN, KIMBERLY	RAY CITY OF
STEFFENS, GAVEN	LIDGERWOOD CITY OF
STEGALL, DINA	WOLF OIL FIELD SERVICES
STIEG, BRAD	DICKINSON CITY OF
STONER, TERRY	DAKOTA GASIFCATION CO
STROBEL, MARVIN	SELFRIDGE CITY OF
SWARTZ, JEREMY	BASE UTILITIES INC

Operator	Employer
TATRO, CHRIS	CLOUDY MANAGEMENT, LLC
THIELEN, TRAVIS	DICKINSON CITY OF
THOMAS, ADAM	WASHBURN CITY OF
THOMPSON, MICHAEL D	KENMARE CITY OF
THOMPSON, TRAVIS	ENDERLIN CITY OF
TIFFANY, SCOTT	WEST FARGO CITY OF
TORGERSON, DUSTIN	BASE UTILITIES INC.
TROSKA, MARC	ALL SEASONS WUA-SYSTEM I
TUFTE, JERRY	GLENFIELD CITY OF
UDELL, SHAWN	CARSON CITY OF
VINIARD, JEFFREY	MCKENZIE COUNTY WRD
WADESON, MIKE	VALLEY CITY CITY OF
WALD, DONALD	WAHPETON CITY OF
WALKER, SEAN	ALEXANDER CITY OF
WARREN, BRIAN	MINOT CITY OF
WEAVER, MATTHEW	MAYVILLE CITY OF
WEBBER, CHRISTOPHER	DICKINSON CITY OF
WEIAND, ALLAN	WAHPETON CITY OF
WEINMANN, JAMEY	HARVEY CITY OF
WELTIKOL, BILLIE	ANTELOPE VALLEY STATION
WENTZ, ANDY	NORTH PRAIRIE RWD
WIDMER, DELL	KULM CITY OF
WIEDRICH, DANIEL	DAKOTA GASIFICATION CO
WIEDRICH, KATHY	CATHAY CITY OF
WILLARD, STEVEN R	STANDING ROCK SIOUX TRIBE
WILLIAMS, IRA	BISMARCK CITY OF
WINTERMUTE, DARRELL	ALL SEASONS WUA-I
WOESSNER, KELLY	PARSHALL CITY OF
WOLF, JORDAN	CARRINGTON CITY OF
YOUNG, BRIAN	WILLISTON CITY OF
ZASTOUPIL, DUANE	DICKINSON CITY OF
ZIMMERMAN, KIM	WASHBURN CITY OF

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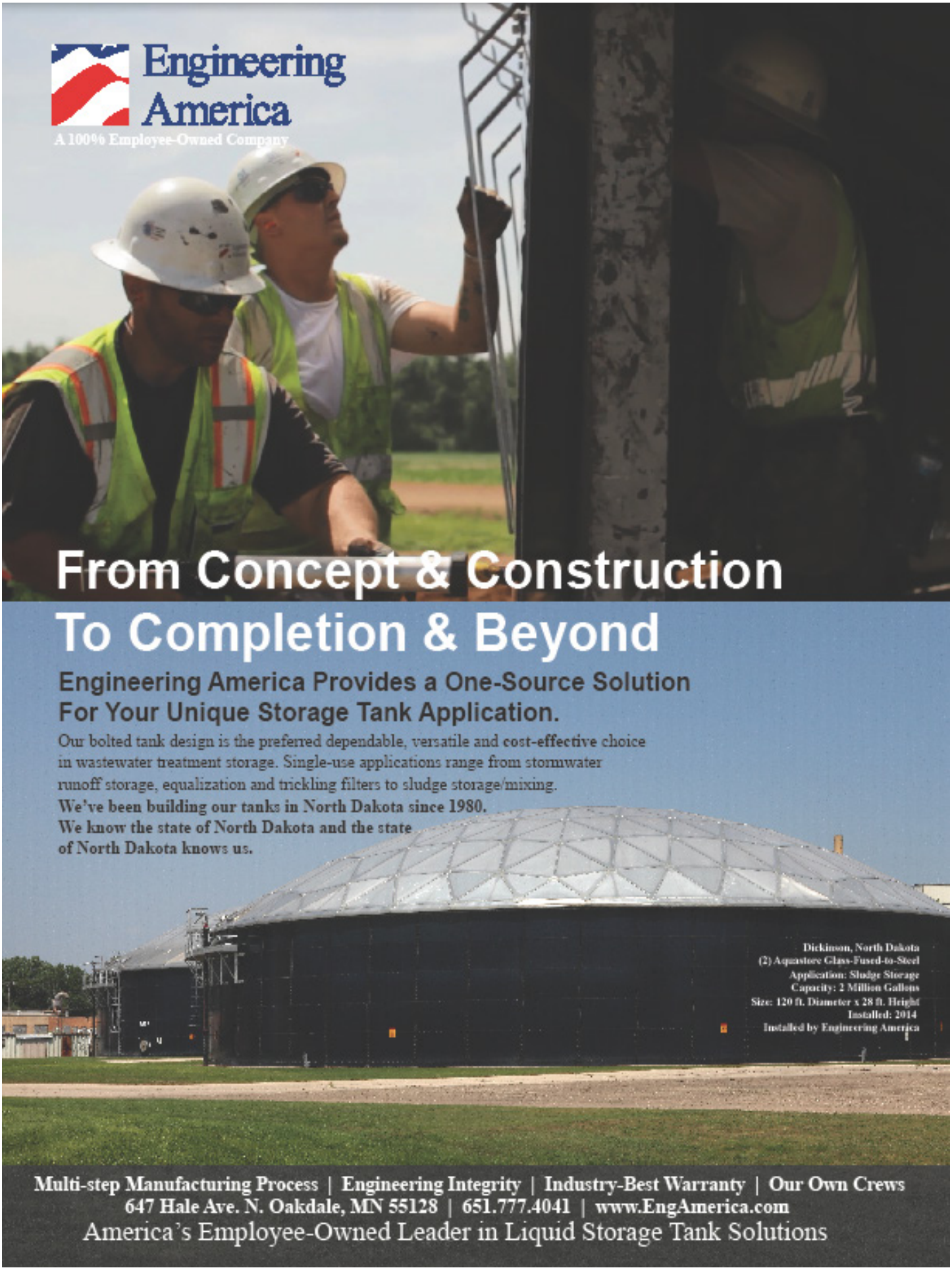
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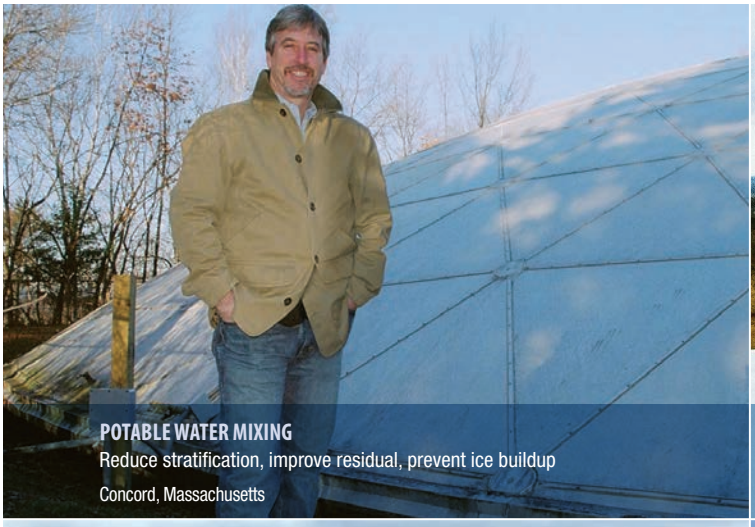

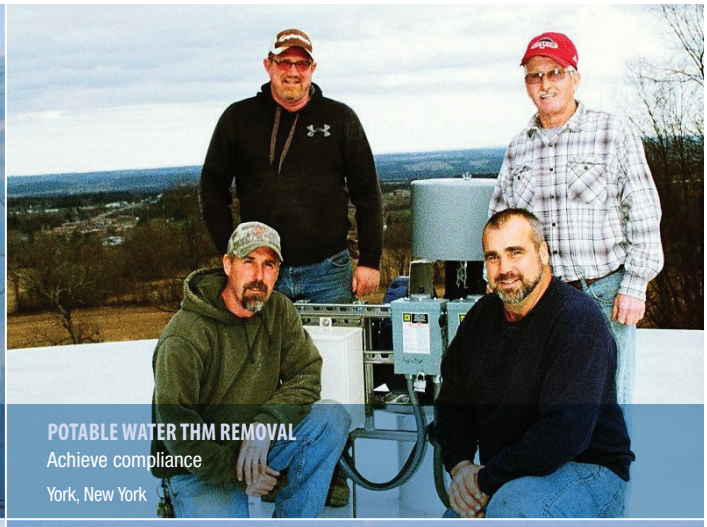

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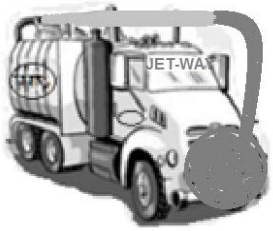

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Disinfectant/Disinfection Byproducts Rule (TTHM, HAA5) Stage 1 and Stage 2 Rule	Lydia Fewless	701-328-5221
Electronic Reporting Information System (ERIS)	Barrett Brown	701-328-5209
Filter and Backwash Recycle Rule	Gary Stefanovsky	701-328-5287
Fluoride Addition	Amy Kinzler	701-328-5231
Groundwater Rule	Gary Stefanovsky	701-328-5287
Inspections: Northeast	Gregg Stewart	701-328-6621
Inspections: Northwest	TBD	701-328-6624
Inspections: Southeast	Jacob Schafer	701-328-6375
Inspections: South Central	Bob Markhouse	701-328-6623
Inspections: Southwest	Shawn Heinle	701-328-6627
Lead and Copper Rule	Amy Kinzler	701-328-5295
Surface Water Treatment Rule: Interim Enhanced, Long Term 1 Enhanced, Long Term 2 Enhanced	Mike Trythall	701-328-5269
Microscopic Particulate Analysis (MPA)	Gary Stefanovsky	701-328-5287
Nitrate/Nitrite Program	Lydia Fewless	701-328-5221
Operator Certification	Craig Bartholomay	701-328-6626
Operator Expense Reimbursement/Public Notice Rule	LeeAnn Tillotson	701-328-5293
Operator Training	Mike Brisben	701-328-6622
Pesticides (SOCs)	Lydia Fewless	701-328-5221
Primary and Secondary Inorganics	Lydia Fewless	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	Lydia Fewless	701-328-5221
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)	Lydia Fewless	701-328-5221
Central Phone: 701-328-5211		**Fax: 701-328-5200**

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Animal Feeding Operations	Brady Espe Rachel Fast Jermey Lang	701-328-5228 701-328-5244 701-328-5219
Biosolids	Marty Haroldson	701-328-5234
Construction Stormwater	Dallas Grosman Luci Snowden Patrick Schuett Daniel Weber	701-328-5242 701-328-5239 701-328-5235 701-328-5285
Dewatering and Hydrostatic Testing	Sarah Waldron Marty Haroldson	701-328-5237 701-328-5234
Discharge Monitoring Reports (DMRs)	All Staff	701-328-5210
DMR Quality Assurance (QA) Study	Marty Haroldson	701-328-5234
Industrial Pretreatment	Jeff Roerick	701-328-5240
Industrial Stormwater	Dallas Grossman Luci Snowden Patrick Schuett	701-328-5242 701-328-5239 701-328-5235
Inspections	All Staff	701-328-5210
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MS4 Stormwater	Dallas Grossman Luci Snowden Patrick Schuett	701-328-5242 701-328-5239 701-328-5235
Public Notices/NDPDES Permits	Curt Steier	701-328-5260
Septic Pumper	Sarah Waldron Marty Haroldson	701-328-5237 701-328-5234
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