North Dakota Water and Pollution Control Conference

NDWPCC

OFFICIAL BULLETIN

VOLUME 104 JULY - SEPTEMBER 2016 NUMBERS 7-9

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Official Publication of the
North Dakota Water and Pollution Control Conference

Conference Issue **Established 1935**

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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

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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: Gol Stave Church - Minot

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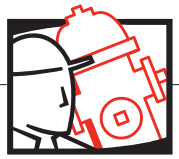

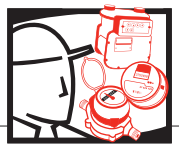

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2016 ANNUAL CONFERENCE ACTIVITIES
October 11-13, 2016

UTILITY WORKFORCE OUTREACH AND RECRUITING

Monday 8:00 am - 5:00 pm.
Holiday Inn Riverside
2200 Burdick Expressway East

REGISTRATION

Tuesday 8:00 a.m. - 5:00 p.m.
Wednesday 8:00 a.m. - 5:00 p.m.
Thursday 8:00 a.m. - 10:00 a.m.
Lobby

MEALS

Tuesday Lunch 11:30 a.m.
Exhibition and Rhodes Room

Tuesday Buffet 5:00 p.m. - 7:00 p.m.
Exhibition and Rhodes Room

Wednesday Free Buffet Breakfast 8:00 - 10:00 a.m.
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Exhibition and Rhodes Room

Wednesday Lunch 12:00 noon
Exhibition and Rhodes Room

Wednesday Social 5:30 p.m.
Exhibition and Rhodes Room

Wednesday Banquet 6:30 p.m.
Exhibition and Rhodes Room

Thursday Lunch 12:00 noon
Exhibition and Rhodes Room

GOLF TOURNAMENT

Tuesday 1:00 p.m.
Souris Valley Golf Course
2400 14th Ave SW
Minot, ND

DEUCES WILD! DUELING PIANOS

Tuesday 7:00 p.m. – 9:00 p.m.
Exhibition and Rhodes Room

WATER AND WASTEWATER OPERATOR CERTIFICATION EXAMINATIONS

Tuesday 7:30 a.m. - 11:30 a.m.
Aegean Room

pH CERTIFICATION

Tuesday 9:00 a.m. - 11:00 a.m.
Holiday Inn Riverside
2200 Burdick Expressway East

YP POSTER COMPETITION

Wednesday 8:30 a.m. – 10:30 a.m.
Lobby

TABLETOP DISPLAY PROGRAM
Coliseum

Tuesday 8:00 a.m. - 5:00 p.m.
Check in at the Registration Desk

Tuesday 7:00 p.m. - 9:00 p.m.
Setup Time

Wednesday 7:00 a.m. - 7:30 a.m.
Last Chance Setup Time

Wednesday 7:30 a.m. to 11:30 a.m.
Display Hours

Wednesday 1:30 p.m. to 3:30 p.m.
Takedown Time

FIELD TRIPS

Tuesday 2:00 p.m.
Minot Municipal Facilities

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President's Letter

by Dan Jonasson, President - North Dakota Water and Pollution Control Conference

Dear Conference Members and Friends:

The annual North Dakota Water and Pollution Control Conference is jointly sponsored by the North Dakota Water and Pollution Control Conference, the North Dakota Water Environment Association, the North Dakota Section of the American Water Works Association, the North Dakota Chapter of the American Public Works Association, and the North Dakota Chapter of the North American Stormwater and Erosion Control Association. On behalf of these sponsoring organizations, I am happy to invite you to attend the 88th Annual Conference October 11, 12 and 13 at the Holiday Inn in Minot.

The 2016 Annual Conference promises to be an excellent event, complete with informative technical presentations emphasizing recent projects, the latest regulatory updates, operational challenges and issues affecting our local utilities. The conference includes a full vendor exhibition displaying the latest equipment, products and services as well as our annual water tasting contest. On Tuesday evening, I invite everyone to attend a new conference event; entertainment provided by Dueling Pianos! As always, the Wednesday banquet will provide opportunities for networking with colleagues and friends, and honor the accomplishments of deserving operators, communities and design professionals. Tours of Minot's most recent infrastructure improvements will also be available during the conference.
As operators, decision makers and engineers responsible for the infrastructure of our state, I encourage you all to become active members in these incredible organizations today. Please join me at the Annual Conference this October in my hometown, Minot.
See you there!

Sincerely,
Seth Lynne, President
North Dakota Water and Pollution Control Conference

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Seasonal Non-Community Public Water System Start-Up Certification

NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF MUNICIPAL FACILITIES
SFN 60775 (6-2015)

The Revised Total Coliform Rule (RTCR) requires all seasonal non-community public water systems to complete a start-up procedure prior to serving water to the public, starting April 1, 2016. The following start-up certification must be completed prior to serving water to the public. No later than 14 days after opening to the public for the season, send this form along with bacteriological sample result (if available) to the address below. Use the comments for further explanation, if needed.

Public Water System (PWS) Name:	PWS Number: (ex: ND1234567)
Operator Name:	Date Water System Opens to the Public:

	Indicate if item was completed.
Did the system conduct a full system inspection? Date?	Yes: ☐ No: ☐
Conduct an integrity check? (pressurize the system and look for leaks and pressure drops) Date?	Yes: ☐ No: ☐
Did the system flush the distribution system? Date?	Yes: ☐ No: ☐
Did the system follow the department start-up checklist? The system should use the department checklist unless a written system specific checklist has been developed.	N/A: ☐ Yes: ☐ No: ☐
Have all operators been trained in the proper operation and maintenance of the water system?	Yes: ☐ No: ☐
Was the system disinfected prior to serving water to customers? Date?	Yes: ☐ No: ☐
Did the system correct all problems found during the system inspection and integrity check? If not, explain in the comments section below.	N/A: ☐ Yes: ☐ No: ☐
Did the system collect a bacteriological sample from the distribution system prior to serving water to the public? Date?	N/A: ☐ Yes: ☐ No: ☐
Comments:	

No later than 14 days after opening for the public for the season, send this form along with sample results (if available) to:	**Division of Municipal Facilities** **918 E. Divide Ave., 3rd Floor** **Bismarck, ND 58501-1947** **Telephone Number 701.328.5211** **Fax Number 701.328.5200** **www.ndhealth.gov**

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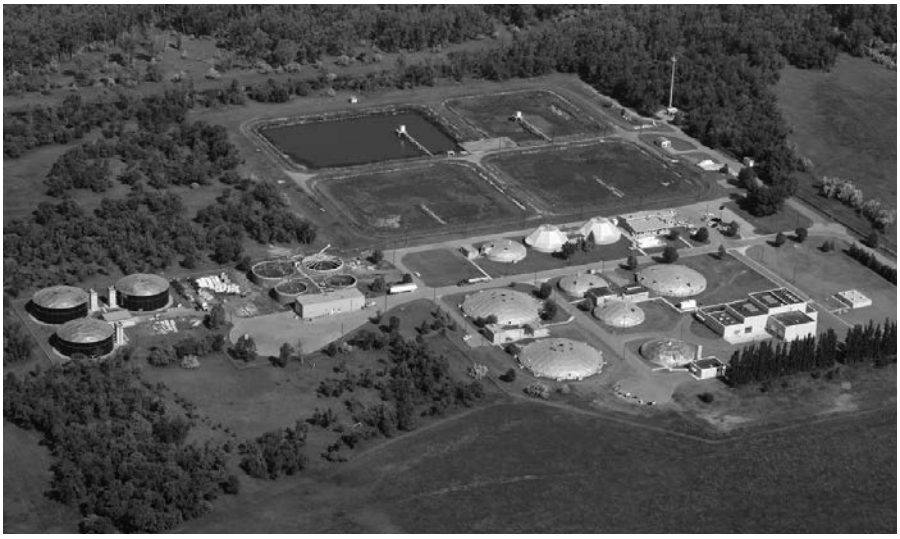

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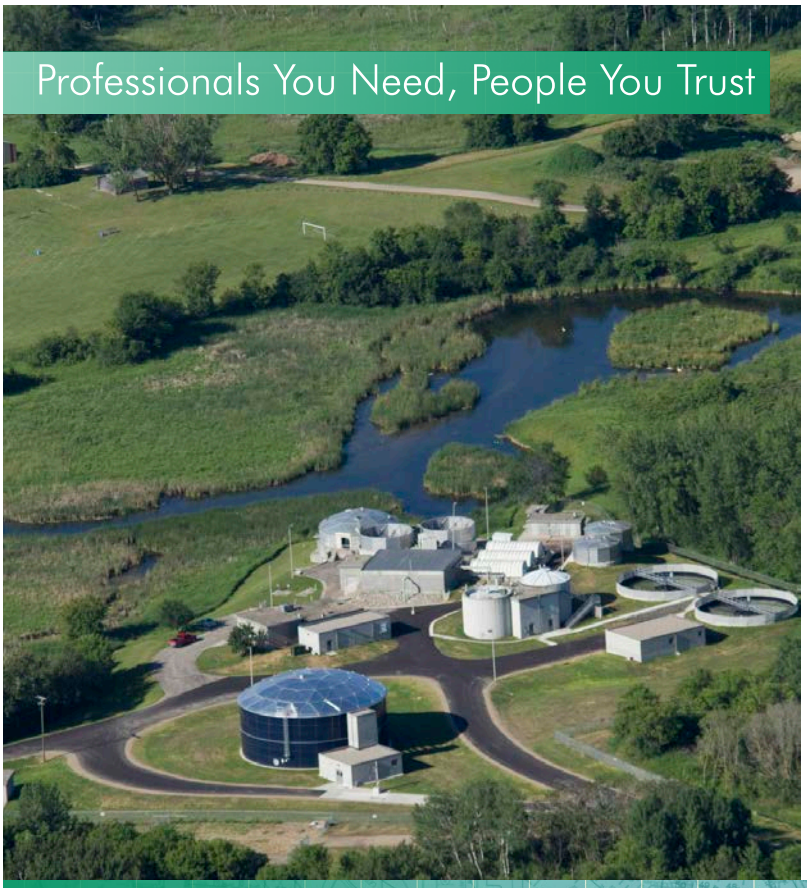

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EPA Requests Greater Diligence Concerning the Lead and Copper Rule

Greg Wavra, Drinking Water Program Administrator, North Dakota Department of Health

The recent events in Flint, Michigan have resulted in a heightened focus and greater scrutiny on compliance with the Lead and Copper Rule (LCR). Part of the U.S. Environmental Protection Agency's (EPA) response to the Flint situation was a letter the agency sent to all states concerning administration and enforcement of this rule.

The Environmental Health Section of the North Dakota Department of Health (NDDoH) received this letter on February 29, 2016. In the letter, EPA Deputy Assistant Administrator Joel Beauvais outlined actions that EPA requests the NDDoH take to help restore public confidence and increase transparency in our shared effort to ensure safe drinking water.

The five requests are as follows:

(1) Confirm that the state's protocols and procedures for implementing the LCR are fully consistent with the LCR and applicable guidance.
(2) Use relevant EPA guidance on LCR sampling protocols and procedures for optimizing corrosion control.
(3) Post on the NDDoH website all sampling protocols and guidance for identification of Tier 1 sites (where LCR sampling is required to be conducted).
(4) Work with the public water systems – with a priority emphasis on large systems – to increase transparency in implementation of the LCR by posting on their public websites and/or the NDDoH? website:
    - The materials inventory that systems were required to complete under LCR, including the locations of lead service lines, together with any updated inventories or maps of lead service lines and lead plumbing in the systems
    - LCR compliance sampling results collected by the system, as well as justification for invalidation of LCR samples
(5) Enhance efforts to ensure that residents promptly receive lead sampling results from their homes, together with clear information on lead risks and abatement, and that the general public receives prompt information on high lead levels in drinking water systems.

A copy of Mr. Beauvais's letter can be obtained at:
https://www.epa.gov/sites/production/files/2016-03/documents/samplelettercommissionersfeb2016.pdf

In a follow-up letter dated April 1, 2016, Environmental Health Section Chief David Glatt responded in writing to the letter from Mr. Beauvais. In that letter, Mr. Glatt indicated that:

(1) The NDDoH is utilizing up-to-date procedures and protocols relating to the LCR.
(2) The NDDoH follows the most current EPA guidance regarding corrosion control.
(3) The NDDoH will utilize its internet web pages to provide to the public the LCR protocols and guidance documents. These documents are found at:
http://www.ndhealth.gov/MF/publications.asp?DivisionID=16&ShowSectionHeading=no
(4) The NDDoH will encourage public water systems to provide on their internet web pages the results of lead and copper monitoring, and it will work with them to make accessible to the public the materials inventory documentation.
(5) The NDDoH provides information to the public to assist in understanding lead results and is open to ways that it might enhance this effort.

A copy of Mr. Glatt's letter can be obtained at:
http://www.ndhealth.gov/mf/forms/2016-04-LeadCopperRuleResponse.pdf

The NDDoH has fulfilled the commitments made to the EPA concerning the LCR. Reference materials have been made available on the NDDoH website, and the latest protocols for sampling and corrosion control are being utilized. The NDDoH is also encouraging water systems in North Dakota to make results and material inventory documentation available to their customers.

The recent problems in Flint, Michigan have damaged the trust that Americans have in their drinking water systems. Rebuilding confidence will take time, and it is important that we "get it right" on both the utility and regulatory levels. The NDDoH will continue to work as a partner with public water systems to properly monitor according to the LCR and to follow up with both public education and corrosion control when appropriate.

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Updating Lead and Copper Rule Sample Site Plans

Amy Kinzler, Lead and Copper Rule Manager
North Dakota Department of Health

Lead in drinking water continues to be a hot topic nationally due to recent events in Flint, Michigan. With this extra scrutiny the EPA has requested that all states review and enhance the administration and enforcement of the Lead and Copper Rule (LCR). As part of this review, it has been determined that LCR sample site plans must be validated. Therefore, over the next three years, as all public water systems come due for their next lead and copper tap monitoring, a packet containing resources to update and certify the LCR sample site plan will be provided.

The LCR was first promulgated by the EPA in 1991 and community (CWS) and non-transient non-community public water systems (NTNCWS) in North Dakota were asked to develop lead and copper sample site plans in accordance with the rule starting that year. All systems were required to have an approved plan prior to starting tap monitoring. Although some of these plans have been updated over the years many have remained unchanged for over 20 years!

The sample plan development required a materials evaluation of the distribution system. This materials survey included a review of all available sources of information such as plumbing and building permits, inspection records, utility records, and physical inspections. The information gathered was used to select sites which qualified due to a risk for lead and copper leaching. The LCR requires that sites are selected and classified by tier group which is determined by the materials present.

Tier	CWS	NTNCWS
Tier 1	Single family structures: • Copper pipe and lead solder installed after 1982 or with lead pipes; and/or • Served by lead service lines (LSLs).	Buildings: • Copper pipe and lead solder installed after 1982, and/or • Served LSLs.
Tier 2	Buildings including multiple family residences (MFRs): • Copper pipe and lead solder installed after 1982, or with lead pipes; and/or • Served by LSLs.	Buildings with copper pipe and lead solder installed before 1983.
Tier 3	Single family structures with copper pipes having lead solder installed before 1983.	N/A
If a CWS or NTNCWS does not have enough tiered sites, it must collect from representative sites where plumbing is similar to that used at most other sites served.		

Tier 1 sites must be used if they are available, followed by tier 2, then tier 3, and finally non-tiered representative sites. If a system has lead service lines (LSL) then LSL sites must account for 50% of the

required samples collected unless there are not enough sites to do so. If there are not enough LSL sites from which to collect half of the samples then every known LSL site must be sampled.

Through the upcoming process of verifying and/or updating the sample site plans, materials inventory information should also be gathered and updated. The EPA has requested that public water systems move towards greater transparency by making this type of information, especially the location of lead service lines, available to customers. This can be done either by posting to websites, or by making it available to the public in your office.

The Lead and Copper Rule is currently under revision with an expected final proposal scheduled for release in 2017. The recommendations for the rule revision which have been discussed include a mandate for the complete removal of lead service lines, greater emphasis on managing water quality parameters, enhanced customer outreach and education as well as overall greater transparency. The process of reviewing and verifying the LCR sample site plans will assist public water systems in preparing for the implementation of these forthcoming revisions.

REGISTRATION FORM

Joint Meeting of the
North Dakota Water & Pollution Control Conference
North Dakota Chapter of the American Public Works Association
North Dakota Water Environment Association
North Dakota Section of the American Water Works Association
North Dakota Chapter of the North American Stormwater and Erosion Control Association
October 11-13th, 2016, Holiday Inn, Minot, North Dakota (701) 852-2504

COMPLETE AND RETURN TO:
NDWPCC
918 E. Divide Ave., 3rd Floor
Bismarck, ND 58501-1947
Phone: 701-328-6622

A. REGISTRANT INFORMATION
(Use only one name per registration) (Please Print or Type)

First Name _____

Last Name _____

Addr. Line 1 _____

Addr. Line 2 _____

City _____

State _____ Zip _____

Job Title _____

Employer _____

Work Phone No. _____

Fax Phone No. _____

Email _____

B. REGISTRATION TYPE

Reg. Fee _____

☐ Package* ($205.00) ☐ Late Package** ($225.00)

☐ Individual ($65.00) ☐ Student ($10.00)

*Packages include reg. fee, banquet, buffet, and luncheons

**Late Package Registration Deadline September 23, 2016

C. INDIVIDUAL MEAL FEES (Included in Package Registration)

Tues. Luncheon ($21.00) _____

Tues. Buffet ($28.00) _____

Wed. Buffet Breakfast (Free) _____

Wed. Luncheon ($20.00) _____

Wed. Evening Banquet ($48.00) _____

Thurs. Luncheon ($23.00) _____

D. GUEST REGISTRATION

First Name _____

Last Name _____

Tues. Luncheon ($21.00) _____

Tues. Buffet ($28.00) _____

Wed. Buffet Breakfast (Free) _____

Wed. Luncheon ($20.00) _____

Wed. Evening Banquet ($48.00) _____

Thurs. Luncheon ($23.00) _____

E. TOTAL PAYMENT DUE:
(Enter appropriate payment below) _____

Please bill us _____

Pay by credit card _____

Our check is enclosed _____

MAKE CHECKS PAYABLE TO:

ND Water & Pollution Control Conference or NDWPCC

F. CHECK ALL THAT APPLY

Yes	No	
☐	☐	Do you qualify as a water treatment or water distribution operator for a system serving 3,300 or less? This will determine eligibility for reimbursement.
☐	☐	Do you plan to participate in the golf tournament? If so, indicate your average score or handicap. _____ The golf course will be charging a green and cart fee.
☐	☐	Are you a young professional 35 or younger?
☐	☐	Do you plan to attend the pH certification?

G. WORKSHOP – Utility Workforce Outreach and Recruiting
(Please indicate attendance)

Yes	No	
		Monday
☐	☐	**8:00 a.m. – 5:00 p.m.**

(over)

H. Minot Public Facilities Tours
(Please indicate attendance)

Yes	No	
		Tuesday 2:00-4:00 p.m.
☐	☐	Water Treatment Plant, High Service Pump Station, 6th Street Underpass Pump Station, and Minot Flood Wall.

Transportation Will Be Provided

Tours qualify for CECs and PDHs

I. FOR CONFERENCE USE ONLY

Cash _____

Check _____

Charge _____

Pay Pal _____

Date _____

Amount $_____

Invoice # _____

☐ Paid ☐ Entered ☐ Conference Database

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American Water Works Association

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BIOGRAPHICAL BACKGROUND

Jeanne M. Bennett-Bailey
President (2016-2017)
American Water Works Association

Jeanne has worked in the drinking-water community for more than 25 years. Recently retired, she served as the Public Affairs Officer for Fairfax Water for over 12 years. Fairfax Water is the largest drinking-water utility in Virginia, serving nearly 2 million people in the Washington Metropolitan area.

For more than a decade, Jeanne worked in Fairfax Water's laboratory. In addition to conducting sampling and analysis, she was particularly involved in the study and implementation of regulations. Having also worked in the field of regulatory development for the Government Affairs Office of the American Water Works Association, she has a broad knowledge of both regulatory and operational aspects of water-quality and utility issues.

An AWWA member since 1990, she served as Chair of AWWA's Public Affairs Council and as a member of the Diversity and Member Inclusion committee and many technical committees. Jeanne was honored as the 2014 AWWA Volunteer of the Year. Jeanne comes from the Virginia Section where she served on various committees.

Jeanne lives in Fairfax, VA with her partner Jane. They enjoy singing in their church choir, any day on a boat, and traveling to new and interesting places.

Karen Kubick is a member of the 2015-2016 Board of Trustees for the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, Va.

Karen is the director of the Wastewater Enterprise Capital Improvement Program for the City and County of San Francisco's Public utilities Commission (SFPUC). She has nearly 30 years of public and private experience working in program and project management, and engineering capacities in the wastewater, power, and water utilities for the city and county of San Francisco.

She has directed several major infrastructure programs, including: the Recycled Water Master Plan, Zoological Gardens Infrastructure Replacement, Local Water Capital Program, Water System Improvement Program, Renewable and Energy Efficiency, and the San Francisco Electric Reliability Program.

Currently, she is the director of the $6.9 Billion Sewer System Improvement Program (SSIP) for the SFPUC's Wastewater Enterprise, which addresses the aging infrastructure, operating reliability, and sustainability of San Francisco's sewer system. Under her leadership this program has tackled asset management, climate change adaptation, the creative use of social media, and the development of a Triple Bottom Line decision system reflecting San Francisco's policies and goals. The program has invested in local youth through annual internships and created jobs through development of a green infrastructure construction training program.

Karen has participated actively in WEF since the beginning of her career. She is also a regular presenter at the Design Build Institute of America, Utility Management Conference, and Women in Construction.

Karen received her undergraduate degree in Mechanical Engineering from San Francisco State University, and is a registered Professional Mechanical Engineer in the state of California. Karen is married and has resided in the Bay Area for thirty-five years.

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Annual Compliance Report Available

LeeAnn Tillotson, North Dakota Department of Heatlh

The North Dakota Department of Health Division of Municipal Facilities has completed the Drinking Water Annual Compliance Report (ACR) pertaining to calendar year 2015. As the primacy agency in North Dakota for the federal Safe Drinking Water Act (SDWA), the division is required to complete the ACR for each calendar year and make it available to the public. The deadline for making this report available is July 1 of the following year.

The ACR contains detailed information concerning the violations that public water systems (PWSs) have incurred and overall statistics concerning compliance with SDWA requirements for public water systems in the state.

It is important to understand that the majority of violations referred to in the report have been resolved and that overall compliance rates rise and fall incrementally as new SDWA requirements become effective and public water systems then make adjustments to maintain compliance. It continues to be a significant challenge for public water systems and states to meet the ever-increasing number of requirements of the SDWA.

North Dakota 2015 SDWA compliance information includes:

Population of North Dakota	Approximately 756,927
% of North Dakotans Served by Public Water Systems	Approximately 652,497
Community Public Water Systems	328
Transient, Non-Community PWSs	152
Non-Transient, Non-Community PWSs	25

% of ND population served by public water systems meeting all SDWA health-based standards through approaches including effective treatment and source water protection.

2015 Target: 92% 2015 Actual Status: 96.8%

% of ND public water systems that meet all applicable SDWA health-based standards, through approaches that include effective treatment and source water protection.

2015 Target: 90% 2015 Actual Status: 96.6%

A printable copy of the report can be viewed on the department's website at http://www.ndhealth.gov/mf; click on Publications. To obtain a paper copy of the 2015 Drinking Water Compliance Report, write to the North Dakota Department of Health, Division of Municipal Facilities, at 918 E. Divide Ave., 3rd Floor, Bismarck, N.D. 58501-1947, or call 701.328.5211.

2016 MEETING SCHEDULE

Monday

7:30 p.m.	**Preconference Meeting** North Dakota Section of the American Water Works Association (NDAWWA) Mediterranean Room

Tuesday

7:30 a.m. - 11:30 a.m.	**Water and Wastewater Operator Certification Examinations** North Dakota Department of Health Aegean Room
7:30 a.m.	**Officers Meeting** NDAWWA Mediterranean Room
8:00 a.m.	**Officers Meeting** North Dakota Chapter of the American Public Works Association (NDCAPWA) Forum Room
8:00 a.m.	**Officers Meeting** North Dakota Water Environment Association (NDWEA) Ionian Room
8:00 a.m.	**Officers Meeting** North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA-ND) Atrium Board Room
9:30 a.m.	**Officers Meeting** Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC), NDCAPWA, NDWEA, NDAWWA, and NASECA-ND Mediterranean Room
10:30 a.m.	**AWWA Committee Meetings** NDAWWA Mediterranean Room
11:30 a.m.	**Business Meeting** NDAWWA Exhibition and Rhodes Room
1:30 p.m. - 4:30 p.m.	**Concurrent Sessions** Aegean, Ionian, Mediterranean Rooms

(Over)

CONFERENCE HISTORY

Conference	Host City	President	President's Residence
2016	Minot	Seth Lynne	Fargo
2015	Bismarck	Dan Jonasson	Minot
2014	Fargo	Dean Sletten	Moorhead
2013	Grand Forks	Bill Gefroh	Bismarck
2012	Minot	Karla Olson	Fargo
2011	Bismarck	Chuck Abel	Bismarck
2010	Fargo	Miranda Kleven	Grand Forks
2009	Minot	Lisa Ansley	Bismarck
2008	Bismarck	Terry Rust	West Fargo
2007	Fargo	Mark Blonigen	Fargo
2006	Minot	Tom Welle	Moorhead
2005	Bismarck	Jack Long	Bismarck
2004	Fargo	Rick Gillund	Enderlin
2003	Minot	Mike Schneider	Bismarck
2002	Bismarck	Pat Denne	West Fargo
2001	Fargo	Charles Jaszkowiak	Bismarck
2000	Dickinson	Randal Loeslie	Thompson
1999	Minot	Paul Lacina	Valley City
1998	Bismarck	Mel Bullinger	Bismarck
1997	Fargo	Wayne Tunseth	Mayville
1996	Minot	Don Olafson	Valley City
1995	Bismarck	Waide Kritsky	Jamestown
1994	Fargo	Byron Thronson	Minot
1993	Minot	Joe Manning	Fargo
1992	Bismarck	Tom Little	Mandan
1991	Fargo	Richard Wanner	Bismarck
1990	Williston	Richard Resell	Williston
1989	Minot	Dwight Wurzbacher	Grand Forks
1988	Grand Forks	Phil Furaus	Harvey
1987	Dickinson	Dale Hanson	Valley City
1986	Bismarck	Dan Boyce	Grand Forks
1985	Fargo	Lyle Weeks	Minot
1984	Williston	Kenneth Reynolds	Bismarck
1983	Minot	Dale Townsend	Carrington
1982	Mandan	Peter Bilstad	Fargo
1981	Jamestown	Don Cuskelly	Dickinson
1980	Grand Forks	Don Erikson	Watford City
1979	Bismarck	Ken Skuza	Fargo
1978	Dickinson	Gerald Zander	Mandan
1977	Fargo	Keith Cornell	Grand Forks
1976	Minot	Peter Mellmer	Bismarck
1975	Mandan	Lyle Mitzel	Wahpeton
1974	Grand Forks	Daniel Reiter	Minot
1973	Jamestown	Russell Kain	Neche

Conference	Host City	President	President's Residence
1972	Williston	John Muus	Grand Forks
1971	Fargo	Donald Wenaas	Jamestown
1970	Minot	Harry Hanson	Bismarck
1969	Bismarck	Clarence Johnson	Garrison
1968	Dickinson	Bevan Shaw	Williston
1967	Grand Forks	A.E. Forsman	Grand Forks
1966	Mandan	Alvin Mickelson	Casselton
1965	Fargo	Ken Ruby	Fargo
1964	Minot	Al Swanson	Jamestown
1963	Valley City	Carl Torkelson	Grafton
1962	Williston	Glenn Berg	Minot
1961	Jamestown	Richard Fuller	West Fargo
1960	Bismarck	Frank Orthmeyer	Grand Forks
1959	Grand Forks	Herbert Arnold	Williston
1958	Dickinson	L.W. Veigel	Dickinson
1957	Fargo	Erik Peterson	Jamestown
1956	Mandan	Edwin Ostlie	Grand Forks
1955	Williston	Paul Hays	Minot
1954	Grand Forks	C.M. Hagen	Oakes
1953	Minot	C.T. Stephenson	Jamestown
1952	Jamestown	Ed Booth	Bismarck
1951	Fargo	H.H. Behlmer	Fargo
1950	Bismarck	A.F. Hulteng	Grand Forks
1949	Dickinson	George Toman	Mandan
1948	Minot	R.J. Lockner	Cooperstown
1947	Grand Forks	John Kleven	Grand Forks
1946	Mandan	S.K. Svenkeson	Minot
1945	Fargo	F.W. Pinney	Fargo
1944	Bismarck	Dave MacDonald	Bismarck
1943	Grand Forks	Joe Morrissey	Jamestown
1942	Williston	Elmer Pearson	Minot
1941	Jamestown	R.M. Jenson	Grand Forks
1940	Wahpeton	William Nordley	Edgeley
1939	Dickinson	William Yegen	Bismarck
1938	Minot	S.S. Calvelage	Jamestown
1937	Mandan	Ora Ayliffe	Fargo
1936	Fargo	S.P. Ravnos	Mandan
1935	Grand Forks	H.T. Hintgen	Wahpeton
1934	Bismarck	W.H. Robinson	Williston
1933	Jamestown	O.N. Bergman	Valley City
1932	Minot	E.L. Lium	Grand Forks
1931	Fargo	W.P. Tarbell	Fargo
1930	Grand Forks	E.J. Thomas	Minot
1929	Bismarck	A.L. Bavone	Bismarck

Risk Management Plan Rule

Ivana Striebel

Does your facility use/store 2500 lbs of chlorine or more? If so your facility most likely falls under **Section 112(r) of the 1990 Clean Air Act.**

The state of North Dakota does not have primacy for this program and is administer by USEPA, Region 8.

Risk Management Plan Rule
https://www.epa.gov/rmp

This requires facilities that use extremely hazardous substances to develop a Risk Management Plan. These plans must be revised and resubmitted to EPA every five years. Some highlights are:

- A Hazard Assessment
  - Detailing the potential effects of an accidental release
  - Accident history of the last 5 years
  - Evaluation of worst-case and alternative accidental release scenario
- Prevention Program
  - Safety precautions and maintenance
  - Monitoring
  - Employee training- must be trained before working with chemical and retrained every three years or more often as necessary.
- Emergency Response Program
  - Emergency health care
  - Employee training
  - Procedures for informing the public and response agencies should an accident occur.
- A Summary of the facilities risk management plan (RMP) needs to be submitted to EPA and revised and resubmitted every five years.

For more information contact:

Greg Bazley USEPA, Region 8
303-312-6255
bazley.greg@EPA.gov

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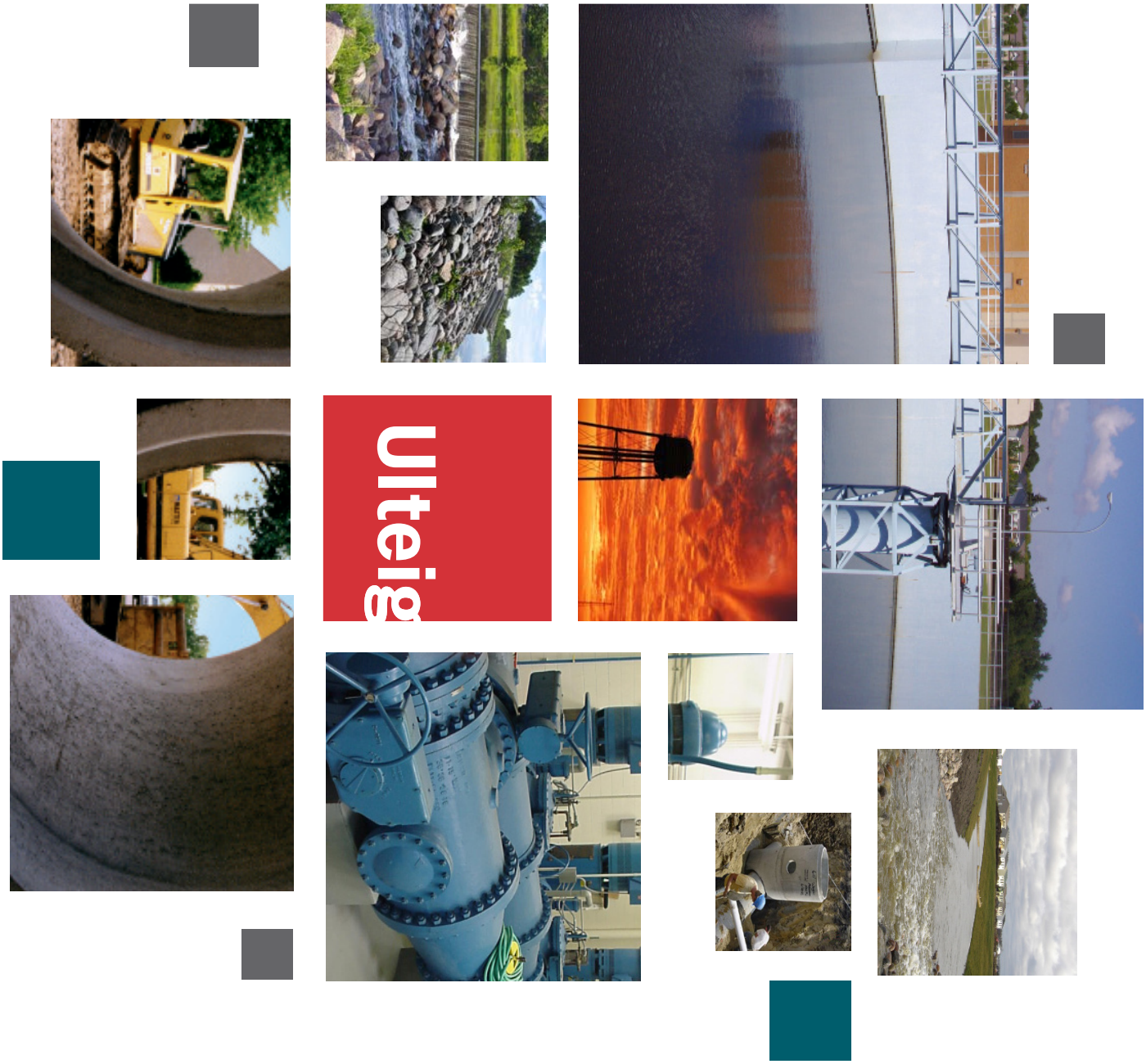

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11:30 a.m.
Luncheon and Business Meeting, NDAWWA
Exhibition and Rhodes Room
Chair Meredith Quinn, Presiding
Guest Speaker: Jeanne Bennett-Bailey, President, AWWA

TUESDAY, OCTOBER 11, 2016
AFTERNOON CONCURRENT SESSIONS

Welcome: Minot Mayor Chuck Barney and NDAWWA Chair Meredith Quinn

Session A

Mediterranean Room
Moderator: Mark Peterson, Trustee, NDAWWA

1:30 p.m. Title: "Advancements in Chemical Feed Systems for Water Treatment"
Speaker: Harvey Gullicks, Senior Project Manager, AE2S

2:30 p.m. Title: "Rolla WTP Upgrades"
Speaker: Dan Portlock, Moore Engineering

3:00 p.m. Break - Exhibition and Rhodes Room

3:30 p.m. Title: "Advanced Metering Infrastructure (AMI) and New Technology"
Speaker: Brad Culter, Senior Accounts Development Manager, Sensus USA

4:00 p.m. Title: "Flood Protection Minot Water Treatment Plant"
Speaker: Alan Kemmet, Houston Engineering

4:30 p.m. Adjourn

5:00 - 7:00 p.m. Buffet Dinner - Exhibition and Rhodes Room

7:00 - 9:00 p.m. Entertainment: Deuces Wild! Dueling Pianos

Session B

Ionian Room
Moderator: Don Tucker, Past President, NDWEA

1:30 p.m. Title: "Prioritizing WWTP Improvements in Uncertain Regulatory Times"
Speaker: DelRon Peters, Sr. Wastewater Project Manager, HDR

2:30 p.m. Title: "Mandan WWTF Improvements"
Speaker: Jason Benson, AE2S

3:00 p.m. Break – Exhibition and Rhodes Room

3:30 p.m. Title: "Dickinson Wastewater Beneficial Reuse"
Speaker: Gary Zuroff, Public Works Director, City of Dickinson

4:00 p.m. Title: "Moorhead Biosolids Treatment Disposal and Resource Recovery"
Speakers: NDSU WEFTEC Design Team, AWWA/WEF Student Chapter

4:30 p.m. Adjourn

Session C

Aegean Room
Moderator: Joe Ferguson, President-Elect, NDWPCC

1:30 p.m. Title: "Mouse River Enhanced Flood Protection – Minot Phases 2 & 3"
Speaker: Jason Westbrock, Vice President, Barr Engineering

2:30 p.m. Title: "GIS and Public Works"
Speaker: Bolton & Menk

3:00 p.m. Break - Exhibition and Rhodes Room

3:30 p.m. Title: "Building a Meandering Stream in Fargo - Integrating Stormwater Management with Passive Recreation"
Speaker: Jeff Hruby, Civil Practices Director, AE2S

4:00 p.m. Title: "Stormwater Detention – Mudhole or Neighborhood Amenity"
Speakers: Tom Johnson, Water Resources Engineer, Ackerman-Estvold; Emily Huettle, Water Resource Engineer, Ackerman-Estvold

4:30 p.m. Adjourn

7:30 - 11:30 a.m. Exhibitor Program
Coliseum
8:00 a.m. - 10:00 a.m. Free Breakfast Buffet
Exhibition and Rhodes Room

WEDNESDAY, OCTOBER 12, 2016
AFTERNOON CONCURRENT SESSIONS

12:00 noon Luncheon and Business Meetings, NDCAPWA and NASECA-ND
Exhibition and Rhodes Room
NDCAPWA President Jeff Heintz and NASECA-ND President Jeff Hruby, Presiding
Guest Speaker:

NDAWWA Session

Mediterranean Room
Moderator: Fred Goetz, Trustee, NDAWWA

1:30 p.m. Title: "Community Engineer Core"

Speaker: Jeanne Bennett-Bailey, President, AWWA

2:00 p.m. Title: "Gimmicks and Gadgets: Water Treatment Operation and Maintenance Solutions"

Speakers: Justin Andre, North Prairie Rural Water District; Joe Ferguson, City of Grand Forks; Mitchell Kersting, City of Williston; Cal Oldenburg, AE2S; Adam Zach, AE2S

3:00 p.m. Break – Exhibition and Rhodes Room

3:30 p.m. Title: "Replacing AC Pipe"

Speaker: Jane Kangas, Environmental Scientist, NDDH

4:00 p.m. Title: "National and State Lead and Copper Update"

Speakers: Jeanne Bennett-Bailey, President AWWA; Amy Kinzler, Environmental Scientist, NDDH

4:30 p.m. Adjourn

5:30 p.m. Social Hour -

6:30 p.m. Banquet: Exhibition and Rhodes Room
Invocation: Terry Rust
Master of Ceremonies: Dave Lainer

NDWEA Session

Ionian Room
Moderator: Michael Quamme, President-Elect, NDWEA

1:30 p.m. Title: "NDDH Spill Investigations Program"

Speaker: Bill Suess, Environmental Scientist, NDDH

2:00 p.m. Title: "Wastewater Treatment and Collection Panel"

Speakers: Bill Gefroh, City of Bismarck; Seth Lynne, Apex Engineering Group; Wayne Offerdahl, City of Fargo; Greg Stack, City of Dickinson; Gary Zuroff, City of Dickinson

3:00 p.m. Break – Exhibition and Rhodes Room

3:30 p.m. Title: "Minot's Sanitary Sewer System Improvements"

Speakers: Dan Jonasson, Public Works Director, City of Minot; Tim Paustian, Project Manager, Apex Engineering Group

4:00 p.m. Title: "UV Disinfection of Wastewater Effluent"

Speakers: Wei Lin, Assistant Professor, Civil Engineering, NDSU; Seth Lynne, Associate, Apex Engineering Group; Don Tucker, WWTP Superintendent, City of Fargo; Ursinio Paga, Graduate Student, NDSU

4:30 p.m. Adjourn

NDCAPWA Session

Aegean Room
Moderator: Eric Gilbertson, Director, NDCAPWA

1:30 p.m. Title: "Water Tower Coatings"

Speaker: Bolton & Menk

2:00 p.m. Title: TBD

Speakers:

2:30 p.m. "Urban Forests/Impact on Stormwater Retention"

Speaker: Mitch Thompson, Forestry Tech., Minot Park District

3:00 p.m. Title: Break – Exhibition and Rhodes Room

3:30 p.m. Title: "Bismarck's Future MSW Cell Design"

Speaker: Sherwin Wanner, Houston Engineering

4:00 p.m. Title: TBD

Speaker:

4:30 p.m. Adjourn

THURSDAY, OCTOBER 13, 2016
MORNING CONCURRENT SESSIONS

Session A

Mediterranean Room
Moderator: Adam Zach, Chair Education and Research Committee, AWWA

8:00 a.m.	Title:	"Moorhead Public Service High Service Pumping Station and Yard Piping"
	Speaker:	Ken Demmons, HDR
8:30 a.m.		"WIFIA Funding Option"
	Speaker:	Deon Stockert, Client Program Manager, AE2s
9:00 a.m.	Title:	"Considerations for Low Capacity Well Fields"
	Speaker:	Mike Plante, Associate/Hydrogelogist, Leggette, Brashears and Graham
9:30 a.m.	Title:	" Applications, Planning and Design Considerations for Horizontal Directional Drilling"
	Speaker:	Michael Quamme, Apex Engineering Group
10:00 a.m.		Break – Exhibition and Rhodes Room
10:30 a.m.	Title:	"RTCR – First Six Months"
	Speakers:	Jeni Walsh, Environmental Scientist, NDDH; Josh Seerup, Environmental Scientist, NDDH
11:00 a.m.	Title:	"Drinking Water Program Update"
	Speakers:	Greg Wavra, Drinking Water Program Manager, NDDH; David Bruschwein, DWSRF Program Manager, NDDH; Shannon Fisher, CWSRF Environmental Engineer, NDDH
11:30 a.m.		Adjourn

Session B

Ionian Room
Moderator: Mike Berg, Director, NDWPCC

8:00 a.m.	Title:	"Fix Before Failure Panel"
	Speakers:	Jared Hellar, AE_2S; Dan Jonasson, City of Minot; Wayne Offerdahl, City of Fargo; Terry Rust, City of West Fargo; Don Wald, City of Wahpeton
9:00 a.m.	Title:	"Upgrades to the Minot Wastewater Treatment Facility"
	Speakers:	Seth Lynne, Associate, Apex Engineering Group; Jason Sorenson, Assistant Public Works Director, City of Minot
9:30 a.m.	Title:	"Biosolids Alternatives"
	Speaker:	Colin Marcusen, Senior Professional Engineer, SEH
10:00 a.m.		Break – Exhibition and Rhodes Room
10:30 a.m.	Title:	"Agriculture Subirrigation of Processed Water"
	Speaker:	Jeremy Meiners, Vice President, AGREM, LLC
11:30 a.m.		Adjourn

NASECA-ND Session

Aegean Room
Moderator: Terry Halstengard, Board Member, NASECA-ND

8:00 a.m.	Title :	"New and Emerging Erosion and Sediment Control"
	Speaker:	
8:30 a.m.	Title:	"MS4 Permit Update"
	Speaker:	Dallas Grossman, Environmental Engineer, NDDH
9:00 a.m.	Title:	"ND Stormwater Criteria Manual/Regulatory Update"
	Speaker:	Dallas Grossman, Environmental Engineer, NDDH
9:30 a.m.	Title:	"Winter Stabilization Panel"
	Speakers:	
10:00 a.m.		Break – Exhibition and Rhodes Room
10:30 a.m.	Title:	"Erosion Control Site Design"
	Speakers:	Matt Sperry, Environmental Sciences Administrator, NDDOT; Matthew Stone, Assistant Professor, NDSU
11:30 a.m.		Adjourn

12:00 noon Joint Luncheon and Business Meetings: NDWEA AND NDWPCC, Exhibition and Rhodes Room, NDWEA President Gary Zuroff and NDWPCC Seth Lynne, Presiding

Guest Speaker: Karen Kubick, Trustee, WEF

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REFERENCE GUIDE
TO
EXHIBITORS IN THE
TABLETOP DISPLAY PROGRAM

OCTOBER 11, 2016
7:30 a.m. to 11:30 a.m.

North Dakota Section of the American Water Works Association Water Taste Contest
North Dakota Section of the American Water Works Association Water for People
North Dakota Water Environment Association
North Dakota Chapter of the American Public Works Association
North Dakota Chapter of the the North American Stormwater and Erosion Control Association

Widseth Smith Nolting Greg Boppre
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Grand Forks, ND 58201 FAX 701-795-1978
greg.boppre@wsn.us.com

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HD Supply Waterworks Justin Hochhalter
407 72nd St SE 701-852-6878
Minot, ND 58701 FAX 701.852.6817
justin.hochhalter@HDSupply.com

HD Supply Waterworks is the largest distributor of waterworks products. HD Supply Waterworks distributes a complete line of water, sewer, fire protection, and storm drain products to serve the needs of both contractors and municipalities in all aspects of public works and private construction industries. Located in Minot and Dickinson, ND.

HACH Cory Christensen
1204 N. 126th ST (402) 614-8585
Omaha, NE 68154 cochrist@hach.com

Manufacture and service in testing and monitoring equipment for the water industry.

Ferguson Waterworks Lyle Ranstrom
1917 1st Ave N 701-293-5511
Fargo, ND 58102 FAX 701-232-8129
linda.romdalvik@ferguson.com

Ferguson Waterworks is a regional waterworks wholesaler. We provide water and sewer distribution products, irrigation systems, E-One sewer pumps, geotextiles, polyethylene pipe, fusion equipment, locators, safety equipment, water meter systems and water meter installation, and repair services. We supply products and services to the Dakotas, Minnesota, western Wisconsin, Iowa and northern Illinois with branch offices in Fargo and Bismarck, ND; Blaine and Sartell, MN; De Kalb, IL; and Madison, WI.

Dakota Pump & Control, Inc. Darin Waldner
705 Quadee Dr SW 605-886-4672
Watertown, SD 57201 FAX 605-886-4674
darin@dpc.us.com

DPC has been serving water and wastewater communities for over 50 years and is committed to serving North Dakota. They are proud Diamond Sponsors of NDRWSA. Their products and services include pumps, tanks, valves, and controls, representing Fairbanks Nijhuis and Hydromatic sewage and water pumps, Tank Connection; which offers bolted stainless steel and powder coated steel tanks, field-weld, shop-weld and hybrid tank construction, Usemco booster pumps stations, Primex (formerly Healy-Ruff); iControl SCADA for the small community, and Xylem (formerly ITT Goulds) Aquavar; VFD's and much more. Most importantly, they provide outstanding customer service, offering 24/7 service and crane trucks. DPC will work with you to help solve your biggest challenges. Area served: Minnesota, western Wisconsin, North Dakota and South Dakota.

Vessco, Inc. Brian DeWolf
8217 Upland Cr 952-941-2678
Chanhassen, MN 55317 FAX 952-941-0796
bdewolf@vessco.com

Vessco, Inc. is a multifaceted clean-water company offering the best equipment in today's water and wastewater treatment market. The company views itself as a partner with its customers, employees, communities, and environment. At the core of the Vessco 360 philosophy is its commitment to ensure that it takes care of its customers in all phases of the equipment's useful life. This is achieved through the four pillars of its business; representation, distribution, manufacturing, and service. Vessco's family of equipment has been carefully built based on meeting high standards for product performance and value. Let Vessco provide you with Vessco 360 coverage today!

Electric Pump, Inc. Jeff Janiksela
1434 5th Ave N 701-235-7500
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mlong@electricpump.com

Electric Pump is your most reliable source for pumps, controls, systems and the knowledge to repair or update your system with the best products in the business. In industrial, municipal or OEM fluid-handling environments, Electric Pump has earned a reputation for delivering comprehensive advice, committed response, and one of the most complete inventories of pumps and parts in the Midwest. Electric Pump serves the Upper Midwest from our fully equipped service locations in Fargo, North Dakota; New Prague, Minnesota; and Des Moines, Iowa. Providing 24-hour emergency service 365 days a year.

Ackerman-Estvold Dusty Zimmerman
1907 17th St SE 701-837-8737
Minot, ND 58701 FAX 701-837-1990
dusty.zimmerman@ackermanestvold.com

Ackerman-Estvold is a professional civil engineering and architectural firm headquartered in Minot, North Dakota. We serve clients in the areas of planning, design, and construction services in both the public and private sectors throughout the state of North Dakota and the region. With offices in Minot and Williston, Ackerman-Estvold provides the following services: Transportation and traffic engineering, land planning and development, municipal engineering, water resources, construction engineering, GIS, and architecture.

Thein Well Co. Zack Thein
PO Box 778 800-450-8000
Spicer, MN 56288 FAX 320-796-2114
zack@theinwell.com

Thein Well Co. is a full service well contractor installing water wells of all sizes and types. We also install and service water pumps and pumping systems and just about anything associated with a customer's water needs.

Apex Engineering Group Tom Welle
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Fargo, ND 58104 FAX 701-373-7981
tom.welle@apexenggroup.com

Apex Engineering Group was founded in 2010 by an entrepreneurial group of engineers and technicians with a long history in the engineering consulting business. The owners and employees share a common vision of what it takes to build a successful engineering firm: exceptional client service, quality work, integrity, experience, expertise, and a drive for success. Our team has extensive experience in the industry and this region. Our leaders are professionals with proven track records of producing successful projects with many long-term clients and are considered experts in their respective fields. At Apex we have put a ban on bureaucracy. We have stripped away anything and everything that stands in the way of what matters: serving our Clients. Apex's business focus is Water, Transportation, Municipal, and Electrical Engineering Services, with offices located in Fargo, Bismarck, and Dickinson, ND, and Detroit Lakes, MN.

AE2S Charlie Vein
4050 Garden View Dr Ste 200 701-746-8087
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AE2S is a consulting firm that provides professional services and our unique brand of extreme client service to municipal, rural, and industrial clients. Our core services include water, wastewater, water resources consulting. Site/civil engineering, structural engineering, electrical engineering, surveying, and mapping are also provided as stand-alone services or in support of our core services. In addition to the more traditional consulting services listed above, we also provide specialty services such as asset management, GIS, financial analysis and utility rate planning, funding development and administration, instrumentation and controls, information technology, public relations, and auditor support services.

Moore Engineering, Inc. Kent Ritterman
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West Fargo, ND 58078 FAX 701-282-4530
kritterman@moorengineeringinc.com

Moore Engineering offers professional consulting services in nine specialties: municipal engineering, water resources engineering, surveying, GIS, land and site development, water and wastewater engineering, transportation engineering, airport engineering and municipal administration. Moore's engineers are trusted advisors and partners with our clients, working side-by-side to find complete solutions to infrastructure challenges. We cover all components of a product, from initial concept, permitting and funding to implementation and maintenance. Our engineers know how to work with multiple jurisdictional agencies to turn ideas into reality. Everything we do revolves around our desire to strengthen the region and improve the lives of its residents.

Hawkins, Inc. Kollin Syverson
2576A Industrial Dr 701-462-8588
Washburn, ND 58577 FAX 701-462-8247
kollin.syverson@hawkinsinc.com

The Hawkins Water Treatment Group supplies products to customers in 18 states across much of the U.S. We utilize a route/salesperson approach in supplying products and equipment to our customers.

Our driver/technician/salesperson is trained to handle on-the-spot service on the equipment we sell, as well as helping our customers find system solutions.

The Hawkins Water Treatment Group supplies products and equipment to treat drinking water, municipal and industrial wastewater, industrial process water, and non-residential swimming pool water.

Bartlett & West, Inc. Darin Schaeffer
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Bartlett & West creates value for our clients through a portfolio of professional services, including engineering, field services, landscape architecture, and data management. We take our purpose seriously: "To lead our communities toward a better tomorrow." As opportunities arise, we offer clients alternative, sustainable solutions to their challenges. Our people focus on understanding clients' needs, accessibility and responsiveness, integrity, quality and proactive communication. We've built our business on these values and for every employee, this is service. The Bartlett & West Way.

Interstate Engineering, Inc. Darrell Hournbuckle
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Interstate Engineering provides consulting, engineering, land surveying, GIS/GPS, and planning services to a wide range of public and private sector clients. Since our inception in 1976, we have grown to a multi-office, multi-discipline engineering firm. Our client commitment and diverse experience allow us to expertly approach each project as problem solvers and ensure technical execution. Learn more at www.interstateeng.com

S. Roberts Company Stephen Roberts
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Eden Prairie, MN 55347 FAX 952-949-6808
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Aeriation Industries, Vulcan Ino, ECS-Odor Control, Glasco-UV, Pinnacle Ozone, Mazzei Injection, Calgon Carbon, MRI-Plate Settlers, Schwing-Bioset, BlueInGreen, RW Gate, H2O Innovation, Verder, Unison.

Bolton & Menk, Inc. Barry Glienke
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barrygl@bolton-menk.com

Bolton & Menk, Inc. is focused on providing professional engineering services to meet the needs of municipalities. Today, Bolton & Menk has 400 employees throughout 15 offices in Minnesota, Iowa, and North Dakota, providing services to 300 communities. In addition to engineering in support of basic community services such as reconstruction, expansion and maintenance of public infrastructure, expertise is offered in civil, water, wastewater, water resources, transportation planning and engineering, GIS, landscape architecture and airport and surveying services.

Swanston Equipment Rodney Ness
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Swanston Equipment, a family owned business for over 85 years, deals in road construction and road maintenance equipment covering ND and MN.

ND Rural Water Systems Association Eric Volk
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ericvolk@ndrw.org

North Dakota Rural Water Systems Association (NDRWSA) is a non profit trade association formed in 1974. NDRWSA exists to enhance the quality of life in small communities by providing training, technical assistance, and representation to public water and wastewater utilities while maintaining environmental integrity. We have six field personnel that provide assistance with leak detection, curbstop and valve location, poly-pigging (water & sewer), sewer smoke testing, sewer camera work, operator certification preparation, and much more. The staff at NDRWSA is ready, willing, and able to help twenty-four hours a day, seven days a week, 365 days a year.

NDSU Dale Heglund
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dale.heglund@ndsu.ed

The North Dakota Local Technical Assistance Program (NDLTAP) provides valuable roadway technical support and training for city, county, consultant, contractor, NDDOT and other transportation leaders and friends. Working with our sponsors, FHWA, NDDOT, NDIRF, and NDSU we are able to provide you with NDLTAP outreach at little or no cost. Stop by our booth to see what upcoming training classes are and how we can be of assistance to you and your training needs.

Sanitation Products, Inc. Chris Haugrud
1402 41st St NW 701-282-0296
Fargo, ND 58102 FAX 701-277-1149
chris@spi-nd.com

Established almost 35 years ago, Sanitation Products has provided municipal and industrial equipment to municipalities and contractors. These products include: Sewer Jetters, Sewer Cameras, Dump Bodies, and many other types of equipment. Sanitation Products has factory trained technicians providing on the road service, as well as, stock parts, and full service facilities in Fargo, ND and Sioux Falls, SD.

Team Lab Gary Syverson
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gary@teamlab.net

Since 1977, Team Laboratory Chemical Corp. has responded to the needs of operators in the wastewater industry with its Team TreatTM lineup of products. The Team TreatTM program was developed as both a problem-solving and preventative maintenance program. Team TreatTM will enable your entire wastewater system, from collection to treatment, to operate at maximum efficiency. Team Lab's product lineup consists of algae control; bio-augmentation; wastewater pond, wastewater treatment plant, grease control, and industrial formulations; collection systems; weed control; and winter products.

Northern Pipe Products Paul Tupa
1302 39th St NW 701-282-7655
Fargo, ND 58102 FAX 701-282-5065
pault@northernpipe.com

Located in Fargo, Northern Pipe supplies water and sewer PVC pipe throughout the Midwest. For over 30 years Northern Pipe Products has developed a reputation as a preferred supplier by manufacturing quality pipe and providing great service. With ten extrusion lines, Northern Pipe Products manufacturers a wide range of PVC pipe products, including:

- 4" - 12" C900 and 14" - 24" C905 water distribution pipe
- 4" - 24" gravity sewer pipe
- ¾ "- 12" IPS pressure pipe
- 2" - 12" well casing

Wells Concrete Rick Hodek
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rick.hodek@wellsconcrete.com

For over 45 years, building owners, developers, and contractors have relied on Wells Concrete to provide the highest quality precast/prestressed concrete products available in the market for buildings, bridges, stadiums, or parking ramps. The design flexibility and versatility of precast concrete, coupled with our experience, workmanship, design support services, quick turnaround, accessibility, and high level of personal service ensure every project's success.

Kadrmas, Lee & Jackson, Inc. Erik Gilberston
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Since 1938, KLJ has provided multi-disciplinary engineering-based solutions for national, large-scale operations, with the local expertise to drive projects forward and deliver successful results. Headquartered in Bismarck, ND the company currently employs more than 750 professionals across six states serving a variety of markets. As an employee-owned firm with a focus on innovation and hard work, we help clients succeed by developing lasting infrastructure that responds to the social, civic, and economic needs of our communities. At KLJ we understand our success is measured by the ability to deliver consistent quality engineering services as a trusted advisor and dedicated partner. To that end, we have developed the KLJ Quality Assurance/Quality Control/ (QA/QC) program. Following rigorous standards, we use QA/QC to scope projects, assess constructability and viability, maintain continuity, conduct plan reviews, and monitor project progress

Leggette, Brashears & Graham, Inc. Mike Plante
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Since 1944, LBG has worked closely with public water suppliers and authorities, private industrial and commercial companies, and government agencies to locate and develop groundwater supplies, to investigate and remediate soil and groundwater problems, and to address a wide range of water-related issues. Having a focus on hydrogeology means LBG staff utilizes the most up-to-date equipment, groundwater modeling and GIS software, and technical approach to solve our client's problems. LBG has offices nationwide with local offices in North Dakota, South Dakota and Minnesota.

Fischer, Harris & Associates Dave Harris
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Fisher, Harris & Associates is a manufacturers' representative firm in the water and wastewater industry. Lines represented include EBAA Iron, Smith-Blair, Adaptor, Engineered Fluid (EFI, Ventomat/RF Valve, Drainage & Water Solutions (DWS) and Pacific Bolt Company.

Tnemec Co./Coating Resources, Inc. Kevin Renslow
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krenslow@tnemec.com

Tnemec's product line provides coating protection for a number of different industries including water storage tanks, water and wastewater treatment, specialty architectural, industrial, and processing/manufacturing. In addition, Tnemec offers StrataShield floor and wall coatings as well as Chemprobe masonry coatings. Tnemec has a worldwide reputation among specifiers and contractors for consistently high quality industrial coatings that are used on everything from water tanks to large stadiums. Tnemec also features the most knowledgeable sales representatives in the coatings industry who provide support and industry expertise from start to finish.

MVTL Laboratories, Inc. Jerry Balbach
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jreiser@mvtl.com

MVTL Laboratories is an independent testing laboratory specializing in environmental monitoring. We provide a broad range of sampling and analytical services for government agencies and private industry. Some of the services we provide include groundwater and wastewater sampling. Our laboratory has analyzed thousands of samples for metals, nutrients, VOCs and many more parameters. MVTL has been in business for over 60 years! Throughout those 60 years, we have gained a vast amount of experience. We have performed a wide variety of projects on groundwater, surface water, wastewater, and solid waste. Let us put our knowledge and experience to work for you!

Public Finance Authority Kylee Merkel
PO Box 5509 (701) 328-7120
Omaha, NE 68154 FAX: (701) 328-7130

North Dakota Department of Health and Public Finance Authority jointly administer the State Revolving Fund Program. The program makes loans to political subdivisions to finance water and sewer projects.

Ess Brothers, Inc. Greg Kilgore
9350 County Rd 19 763-478-2027
Loretto, MN 55357 FAX 763-478-8868
gkilgore@essbrothers.com

Ess Brothers and Sons, Inc. continues to meet the changing demands of their customers by establishing a metal fabrication shop and metal machine shop. Ess Brothers & Sons, Inc. specializes in trenchless technology focusing on inflow and infiltration at the tip of the manhole. Their product line consists of manhole castings, catch basin castings, manhole paving adjustment rings, external and internal seals, tree grates, trench grating, overflow structures, aluminum hatches, and custom fabrication.

Treatment Resources, Inc. Todd Butz
11670 Fountains Dr Ste 200 651-702-2692
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Treatment Resources, Inc. is a manufacturer's representative offering water and wastewater process solutions in Minnesota, North Dakota, and South Dakota.

Brock White Co. Jon Zabolotny
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jzabolotny@brockwhite.com

Brock White Company, LLC headquartered in St. Paul, MN, was incorporated in 1954 to provide specialty products to the concrete and masonry construction markets in the upper Midwest United States. These products include hand tools, specialty chemicals, waterproofing materials, caulking, insulation, highway sealants, concrete, and masonry accessories, concrete repair and restoration materials and coatings. Brock White has become a leading supplier and resource for Geosynthetics, Geotextiles, Erosion Control, Stormwater Management, and water quality products. To learn more about Brock White and the wide variety of products that it has available, call the local office or visit their website: www.brockwhite.com

DSG Waterworks Dan Gatzke
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dgatzke@dsginc.biz

DSG Waterworks is a leading supplier of quality water, sewer, and drainage products in North and South Dakota, Minnesota, and eastern Montana.

Quality Flow Systems, Inc. Kevin Huson
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Quality Flow Systems, Inc. is a manufacturers' representative for KSB, Grundfos, Yeomans, Chicago, Sewer Chewer, Morris, Siemens, QLI, Sensaphone, Crane Pumps & Systems, Goulds, American Turbine, Griswold, and GPM Pumps. We provide 24-hour service assistance and have six fully equipped service trucks operating throughout our territory of Minnesota, North Dakota, South Dakota, Iowa, and Nebraska. We also have stock pumps and parts.

Tech Sales Co. Abraham Salamzadeh
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Tech Sales Co. is a manufacturers' representative. We specialize in instrumentation for water/wastewater and industrial applications. Products include level, flow, sampling, analytical, gas detection, and remote monitoring.

SEH Ken Nysether
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Short Elliott Hendrickson Inc., (SEH) is an employee-owned company of engineers, architects, planners, and scientists servicing public and private sector clients. Our work – providing valuable solutions in the Buildings, Energy, Environmental, Infrastructure, Transportation, and Water markets – focused on Building a Better World for all of US®. SEH has provided water treatment/distribution system and wastewater treatment/collection system services to hundreds of clients in the Midwest region over the past 50 years. When you work with SEH, you'll get single-source solutions and multidisciplinary approach.

Great Northern Environmental Matt Fritze
643 Hale Ave. N 651-289-9100
Oakdale, MN 55128 651-289-9101
adushane@gnenv,com

Your trusted and reliable resource for water infrastructure equipment.

General Repair Services Jim Paulsen
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jimp@generalrepair.com

General Repair sells and services pumps and blowers. We represent Gorman Rupp, Wilo, Grund Foss and Pearless pumps. We have been in business since 1955.

KLM Engineering, Inc. Shawn Mulhern
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smulhern@klmengineering.com

KLM Engineering, Inc. is a structural engineering and inspection consulting firm located in Lake Elmo, MN. KLM services include: Antennas, Asset Management, Design Build, Drone Inspections, Engineering, Mixers, New Construction, Recondition, and much more. Our Project Team consists of experienced professionals and employs one of the largest NACE coating and AWS welding inspection staffs in the nation. At KLM, a customized approach is used on each project to deliver quality workmanship, streamlined communication and a superior level of client satisfaction.

Granse /Trio Sales, LLC Daryl Unser
21670 Hamburg Ave 952-469-2191
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Granse/Trio Sales is a family owned manufactures representative agency founded in 1946. We are located in Lakeville, MN and represent 16 manufactures products serving the following industries. Plumbing and Heating, Water Works (Fresh & Waste Water), Utility, Municipal, Irrigation.
The states we cover include ND, SD, MN, WI, and upper MI. Companies represented are: AB&I Foundry, Alderon Industries, Anaco/Husky, Dole, Aquaphalt, Gripper Gasket LLC, IPEX USA LLC, IPS Corporation, Jackel Ecosystems, Krausz/Hymax, Multi Fittings, Polyethylene Technology, Inc., Red White Valve Corporation, Reed Tool, Tundra Pipe Insulation, Zoeller Pump Company.

Van Bergen & Markson, Inc. Sam Dyrud
9366 Deerwood Ln N 763-546-4340
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Representing: Nov Moyno, Evoqua, Weir Floway, ITT Goulds, Hydro Gate, Aquarius Technologies, Pall Corp., Warminster Fibeglass, Strongwell, Fairfield, Marley, Newterra, Komline-Sanderson, Hallsten, RWL Water, Rebuild-it Services Group, MTS, OTI, Nova.

Advanced Drainage Systems Andrew Mastel
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Mandan, ND 58554 FAX 1-866-240-2538
Andy.mastel@ads-pipe.com

Advanced Drainage Systems, Inc. (ADS) is the world's largest producer of corrugated HDPE pipe. Founded in 1966, it serves the storm and waste water industry through a global network of 56 domestic and international manufacturing plants and 28 distribution centers. In addition to its flagship N-12® pipe, the company offers a complete line of fittings and other accessories including SaniTite® HP sanitary sewer pipe, HP storm pipe, StormTech® storm water chambers, Nylopast® drainage structures, FLEXSTORM™ Inlet Filters, singlewall pipe, AdvanEDGE flat pipe, and various geotextiles.

ABM Equipment & Supply, LLC Bryan Raguse
333 2ND St. NE 701-952-938-5451
Hopkins, MN 55343 FAX 952-938-0159
bryanr@abmequip.com

ABM Equipment & Supply offers a complete line of truck equipment to the utility, municipal, refuse, recycling and construction industries. Products are aerial lifts, fiberglass and steel service bodies, hydraulic tools, pressure diggers, snow blowers, asphalt patchers, combination sewer cleaners, sewer jetters, sewer televising equipment, street sweepers, knuckle boom cranes, stick boom cranes, rear loaders, roll-off's, refuse carts, recycling bins, recycling bodies, trailers, and on board scales. ABM offers sales, rental, service and field service for these industries.

EJ Iron Works Mark Garrison
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EJ is the global leader in the design, manufacture, and distribution of access covers and gratings for municipal and airport water, sewer, drainage and electrical infrastructure.

ND Sewage Pump & Lift Station John Westrum
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Sales and service for ABS Pumps, Gould's Pumps, and SJE Rhombus Control Panels. We sell electrical parts, s.s. pump controllers, floats, access hatches, s.s. pipe, chain and s.s. hardware. We specialize in Annual Service Contracts. We stock rental pumps and control panels. We offer 24-hour repair service.

NorMont Equipment Company Pam Klabo
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Black Eagle, MT 59414 pklabo@nmeqco.com

NorMont Equipment Company specializes in municipal and construction equipment for water, wastewater and street departments. For over 69 years we have been working together with municipalities and contractors providing solutions to environmental concerns. We provide the right solutions for our customer's needs. We service what we sell, have an outstanding parts department with an inventory of the right parts to get your equipment up and running. We also have an extensive list of municipal specific rental equipment.

Northwestern Power Equip. Co. David Kluck
2740 Patton Rd. 651-628-0683
Roseville, MN 55113 651-628-0753

Northwestern Power Equipment Company specializes in providing equipment for Water, Wastewater, and Industrial Applications. Serving Minnesota, North Dakota, South Dakota, Iowa, and Wisconsin.

OpWorks Jason Sanden
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OpWorks is a customizable, web-based, cloud-based solution for facility operators, superintendents, and managers. OpWorks lets you log, chart, and report data, and integrates SCADA and/or GIS, ultimately streamlining operations and management and operating decisions.

Ulteig Mike Dova
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Ulteig Engineers, Inc. improves lives by providing the services that create more reliable connections. The company's footprint spans the nation and provides its expertise in multiple lifeline sectors, including power and renewable, transportation, water and oil and gas to a wide range of public and private sectors.

Terracon Consultants, Inc. Jon Ellingson
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West Fargo, ND 58078 FAX: 701-282-9635
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From the ground up, Terracon provides practical solutions to environmental, facilities, geotechnical, and materials engineering challenges. Our national network of more than 140 offices provides local expertise backed by national resources to get the job done cost effectively and efficiently. On both small and large projects, our experienced professionals work closely with our clients to achieve success on time and on budget.

Ellingson Companies Jason Abbott
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Ellingson Companies is a family owned, third generation construction company that specializes in trenchless construction solutions. Our services include farm drainage, Horizontal Directional Drilling (HDD), utility installation, pipe plowing, pipe bursting, pipe ramming, slip lining and Cured In Place Pipe (CIPP) repair.

Houston Engineering, Inc. Kevin Martin
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Houston Engineering, Inc. (HEI) is a multidisciplinary consulting firm providing engineering, surveying, and environmental consulting services since 1968. With offices throughout North Dakota and Minnesota, we offer a full range of services that cover water resources, environmental issues, water supply, municipal, transportation, surveying, land and site development, waste management, and GIS. We utilize the latest technology to provide innovative solutions that produce results now and continue to provide value well into the future.

Larson Data Communications, Inc. Mike Larson
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Total Solutions provider of GE MDS industrial wireless and networking products for ND, SD, NE, IA, MN, MT and WY. We stock the full line of GE MDS Licensed, Unlicensed and Cellular Wireless Data Networking Products and Accessories and also offer EEI Steel Poles and Self-Supporting Towers. Wireless system engineering, construction and technical support services provided nation-wide.

HDR Ken Demmons
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HDR specializes in engineering, architecture, environmental and construction services. While we are most well-known for adding beauty and structure to communities through high performance buildings and smart infrastructure, we provide much more than that. We create an unshakable foundation for progress because our multidisciplinary teams also include scientists, economists, builders, analysts, and artists.

With over forty people in our Bismarck and Fargo offices, we push open the doors to what's possible in North Dakota each and every day.

Flexible Pipe Tool Company Nate Petron
30577 Pearl Drive 320-363-7552
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Flexible Pipe Tool Company specializes in high quality Sewer Cleaning and Inspection Equipment. We have maintained satisfied customers for over 60 years by supplying products that combine performance and value. We sell and service Sewer Cleaning Equipment including: Jetter/Vac Combination Units, Truck and Trailer Jetters, and Vac Trailers. We also sell and service Sewer Inspection Systems including: Robotic Cameras, Push Cameras, Jet Cameras, and Lateral Cutters. Our manufactures include: Aquatech, Arries, Cobra Hose, Enz Nozzels, PipeTech Software, and Sewer Equipment Company of America. Our rates are competitive, our employees are friendly, we will be there to help you every step of the way.

AGREM LLC Jeremy Meiners
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AGREM LLC specializes in the design of water management systems for agricultural producers. Such designs include surface drainage, tile drainage, controlled drainage, and subirrigation systems.

Minot, The Story of a City's Growth: Flood protection, downtown improvements, underground infrastructure and major road projects

August 2, 2016

Introduction

The list of projects, programs and proposals for public officials within the City of Minot has arguably never been longer. Between flood protection, a major underground overhaul downtown and the addition of 10,000+ people in the last five years, a lot has been done in the last five years and there is plenty of work to stay busy for years to come. Within this article, the authors will run through the highlights, project overviews and current status of just some of those key infrastructure pieces that are taking the Magic City into what leaders hope will be a long-term stable period of expansion.

HMGP-Water Treatment Plant Flood Protection Project

The largest, most damaging flood in Minot's modern history hit in 2011, when a wet fall, heavy winter snow and wet spring combined to surge the Mouse River to flows of 27,400 cfs. This was four to five times what the banks of the river through town were designed to handle. Along with the more than $1 billion in damages to homes, roads and businesses came problems with protecting the region's source of potable water, the Minot Water Treatment Plant (WTP). After a few years of diligent work from the North Dakota congressional delegation, the North Dakota Department of Emergency Services, the City of Minot and others, FEMA awarded the state in 2014 with Hazard Mitigation Grant Program funding that would pay for 75 percent of what is needed to allow the City of Minot to push forward on the Water Treatment Plant Flood Protection Project.

With the stated goal of preventing future floods (similar to that experienced in 2011) from contaminating and interrupting the potable water supply production and transmission at the Minot Water Treatment Plant, the project is a stand-alone effort that is consistent with the Mouse River Enhanced Flood Protection Plan (MREFPP).

The project work includes the construction of 1,720 linear feet of concrete floodwalls on the south side of the Mouse River, near the plant. These floodwalls will tie into two new temporary roadway closure structures at 16th Street SW and Water Treatment Plant Road (12th Street SW). Earthen levees, a storm water pump station, addition of UV treatment and the relocation of the river intake structures at the treatment plant are also part of the project.

The HMGP-Water Treatment Plant Project will provide protection to the flood of record, plus freeboard. The level of construction and the need for raw materials is great, with concrete quantities for the floodwalls/foundations nearing 6,000 cubic yards of concrete (600+ truck loads!) and rebar in the walls weighing between 1.1 million and 1.15 million pounds. As of the end of July 2016 the project had just reached the milestone of pouring just over 50 percent of the concrete needed for the massive footings and 15-foot tall floodwalls that would provide protection to the water plant.

The City of Minot has a contract with Wagner Construction for a cost of just under $25 million, with an anticipated end date of the middle of 2017. Wagner crews and their subcontractors say they are ahead of schedule on the bulk of the work, and anticipate finishing the majority of the work before the end of 2016.

Image 1: This perspective of the floodwalls being built to protect the Minot Water Treatment Plant shows how much more concrete goes into the belowground foundation for the 14-15 foot tall floodwalls.
Image 2: The view from the top of the Minot Water Treatment Plant, looking northeast, at the ongoing construction of the enhanced flood protection

Mouse River Enhanced Flood Protection Project Background

The Mouse River Enhanced Flood Protection Project was initiated by the Souris River Joint Board (SRJB), City of Minot, and the N.D. State Water Commission (NDSWC) in 2011 to provide future flood protection for urban and rural residents throughout the Mouse River Basin. This action was taken in response to the 2011 flood that flowed at a rate of 27,400 cfs and impacted 4,700 residential, commercial and public structures. The MREFPP includes the development of earthen levees, floodwalls, closure structures, two diversion channels, and rural solutions such as ring dikes, relocations, and acquisition and demolition of eligible structures. This project looks at solutions basin-wide, throughout the Souris/Mouse River Valley.

In the five years since its inception, the project has created a Preliminary Engineering Report, a number of associated alternatives studies, project scaling, implementation plans, funding planning and acquisition, and advanced the implementation of the rural StARR program. In addition, the design of three phases and two sub-phases within the City of Minot is almost complete with construction scheduled to begin shortly on the two sub-phases and projected in 2017 on the first three phases. The total MREFPP cost is estimated at $1 billion.

MREFPP Phase 1

On the project and within the city of Minot, Phase I of the enhanced flood protection plan is called the 4th Avenue North Phase and includes levees and floodwalls along and near 4th Avenue Northeast, between approximately Broadway and 3rd Street Northeast. This portion of the project would provide protection for many homes, businesses, schools and churches in northeast Minot. It is a critical first component to long-term protection to the flood of record and will greatly reduce required emergency measures in the event of another major flood.

The 4th Avenue North Phase will be designed to be compatible with all other components of flood protection. Houston Engineering started design on the project in late 2014 and is near 100 percent design completion. After the design process is complete, it is anticipated the construction will start in 2017 (funding dependent) and go for two construction seasons.

This portion of the MREFPP will include 2,250 linear feet (LF) of floodwalls, 400 feet of earthen levees and one pedestrian closure structure. Maintaining transportation viability is a high priority for this phase, to the extent possible. The 4th Avenue North Project does include a large storm water pump station that was shifted from an adjoining phase. This station, which would handle nearly 200,000 gallons per minute (gpm), will manage Minot's northeast and north storm water runoff during construction and for permanent pumping of water runoff when more phases are complete. In total, this phase of the project is estimated to cost $67 million to construct.

This project is being designed by Houston Engineering and coordinated closely with the North Dakota Department of Transportation (NDDOT) to tie into the replacement and reconstruction of the Broadway Bridge. The bridge will be replaced in 2017 and 2018 in conjunction with this phase of the MREFPP; engineers are utilizing the bridge embankment structure as a flood protection feature, which will save constructing several hundred feet of floodwalls.

MREFPP Phase 2

Phase MI-2 (Napa Valley segment) of the project begins at the U.S. Highway 83 Bypass along the west edge of Minot and ends at 16th Street SW across the Mouse River from the Minot Water Treatment Plant, along the north side of the river. The features through this segment of the project are predominantly earthen levees (6,500 LF), with an average height of approximately 14 feet. This phase also includes a road closure structure at 16th Street SW, which will consist of a removable barrier floodwall that is erected during large flood events.

The Napa Valley levee will impact the Souris Valley and Wee Links Golf Courses. Impacts to these courses will be mitigated by modifying the course layout and moving or reconstructing the features that are impacted. The Dakota Bark Park, located on the west end of the project, will also be impacted by the new levee. The impacts will be mitigated to this park by reconfiguring the existing fences and shelter in locations close to the existing park.

Interior storm sewer is a large part of the Napa Valley segment. Nearly 800 acres of land drains though an existing system known as the Perkett Ditch. This drainage which generally gravity flows into the Mouse River has to be pumped during high flow conditions on the river. The existing storm sewer pump station for this drainage ditch will be completely reconstructed. The current 8,000 gpm pump station will be replaced with a 54,000 gpm pump station and a 37 acre-foot off-line detention pond.

Aspects of this project are also being coordinating with the NDDOT as they add additional lanes and reconstruct portions of the U.S. Highway 83 Bypass and Bridge. The flood control features on the western end will need to be carried through the highway embankment.

Bill Hughes
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A portion of the MREFPP Phase 2 includes improvements to an interior drainage area known as the Perkett Ditch. The picture above shows what the area currently looks like and the drawings show what the area should look like after the project is complete

MREFPP Phase 3

Phase 3, also referred to as the Forest Road phase of the project, includes earthen levee segments on both sides of the river. This section begins at the east end of the Napa Valley segment and runs northeast approximately 2,400 LF to the Canadian Pacific railway embankment. The southern segment will connect to the Minot Water Treatment Plant floodwall east of 16th Street SW and run northeast approximately 1,800 LF and end near the existing Moose Lodge pump station.

The Napa Valley and Forest Road segments are expected to begin construction in 2017 and will likely take two construction seasons to complete. Phases 2 and 3 are being designed by the Barr-Ackerman engineering team, with a combined construction cost estimate of $49 million.

Environmental Impact Statement

As a result of the initial and future phases of the Mouse River Enhanced Flood Protection Plan, a key and required Environmental Impact Statement (EIS) is currently under way. The EIS is being done by the SRJB/City of Minot and the U.S. Army Corps of Engineers (USACE). The engineering team on the EIS is Barr-Ackerman and Houston Engineering.

The EIS is required in situations where proposed flood protection features will modify areas within the existing federal project right-of-way by changing the existing levees, alignments, altering channel conveyance and the construction of larger levees and floodwalls. The statement will need to demonstrate that the alterations to existing federal flood control is "not injurious to the public interest and will not impair the usefulness of such work." The work will be done according to a variety of both engineering and regulatory requirements, including USACE design standards and design review, and environmental protection compliance in accordance with the National Environmental Policy Act.

Another purpose of the EIS is to identify the range of potential impacts that would result from the construction of the project and ensure that this information is available to public officials and citizens prior to making decisions and taking action.

Work on the EIS started in 2015, and it is anticipated that the draft EIS will be published by the USACE for public review in fall 2016 with a final EIS and Record of Decision being issued in the Winter or Spring of 2017.

Funding for the almost two-year process is being provided by the NDSWC and City of Minot flood sales tax.

USACE Feasibility Study

On May 6, 2016, the SRJB/City of Minot and USACE signed an agreement to have the USACE complete a feasibility study for the Mouse River Valley. This is the first step in determining if and to what extent there may be a federal interest in flood protection for the valley. This long-awaited study was due to the great work of the North Dakota congressional delegation. This study will be done over the next three years and is expected to cost $3 million.

Structure, Acquisition, Relocation, or Ring Dike Program

From day one, the Souris River Joint Board has advocated for a basin-wide approach to the Mouse River flood risk reduction. The StARR Program was developed as a potential solution to address the continuous flooding challenges of private landowners throughout the rural areas of the Mouse River Basin. The program contains options for landowners to receive assistance through funding from the N.D. State Water Commission, City of Minot sales tax collections directed at flood protection, and a local cost share, for the purpose of structure acquisition and demolition, structure relocation, or the ring diking of structures. Property owners will be responsible for 5 percent of eligible costs, while the SRJB through the NDSWC and City of Minot funding will pay 95 percent of eligible costs. The program has currently been allocated $12 million.

The program requirements were adopted by the Souris River Joint Board in January 2016 with implementation of the program starting in June 2016. There are currently about 65 property owners pursuing one of the three program options to help alleviate their flooding challenges. It is anticipated that some of these projects will be fully complete in 2016.

Minot Downtown Infrastructure Improvements Project

The Minot Downtown Infrastructure Improvements Project is a City of Minot effort to improve the basic underground and aboveground infrastructure in the heart of Minot. This will include replacing miles of water, sanitary sewer and storm sewer pipes, concrete paved street, curb and gutters, sidewalks, and street lighting within roughly 26 city blocks in Downtown Minot, over three years of construction.

Much of the water, sewer, sanitary sewer and other below ground infrastructure in Downtown Minot are between 75 and 100 years old. Many of these pipes are too small for anticipated growth and upgrades to downtown, and have simply lived beyond their original design life. These upgrades are sorely needed to keep the heart of the Magic City thriving.

Funding for this project is coming from a variety of sources. The U.S. Economic Development Administration agreed in May 2013 to award $18 million in disaster recovery grant funding that will be matched by approximately $8 million in funds from a street light assessment district and storm sewer assessment district, $4.9 million in Community Development Block Grant-Disaster Recovery (CDBG-DR) funding and $1.25 million from North Dakota State Water Commission. The estimated project cost is near $33 million.

The project will improve the city blocks bordered by South Broadway, the BNSF railroad tracks/1st Avenue NE, 3rd Street SE and Burdick Expressway. There will be some storm sewer and water main work done outside of this general project boundary.

The overall Downtown Infrastructure Improvements Project was designed to encompass three construction seasons, with separate construction bids for each season. Engineering design began in late 2013, with Phase I construction taking place from May 2015-November 2015 (with one block finished during 2016). In 2015, the general contractor was Strata Corporation from Grand Forks with a construction cost of $14.4 million. In 2016, the general contractor is Keller Paving and Landscaping, Inc. from Minot with a construction cost of $8.8 million.

Work done under the 2015 contract included the following:

- 32,641 square yards of concrete (668 trucks)
- 9,638 linear feet of curb/gutter (almost 2 miles)
- 53 water service connections
- 66 sanitary sewer connections

Work done under the 2016 contract is scheduled to include the following:

- 4,900 linear feet of water main
- 2,700 linear feet of sanitary sewer
- 3,000 linear feet of storm water
- 68,500 linear feet of electrical wiring in 11,000 linear feet of conduit
- 103 water service connections

For the latest on this on-going project, go to www.DowntownMinotIsOpen.com.

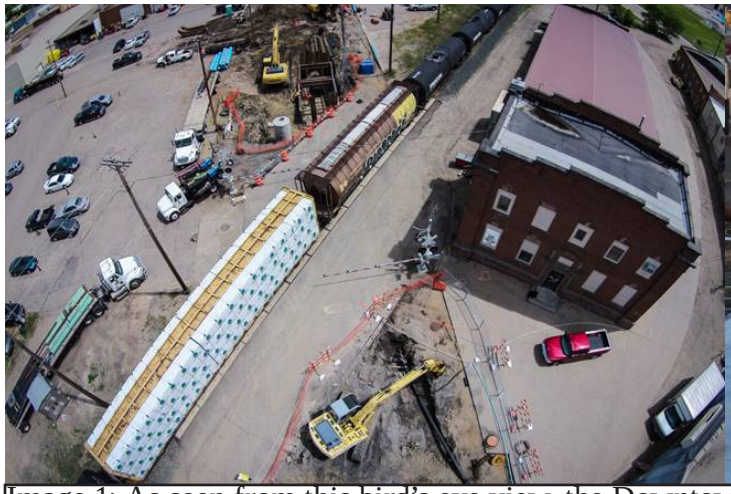
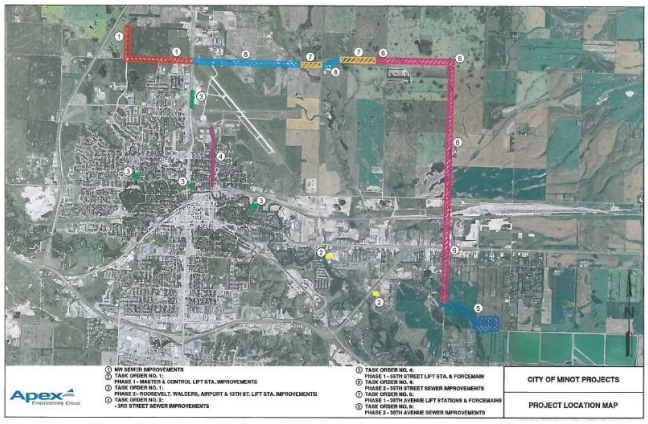


Image 1: As seen from this bird's eye view, the Downtown Infrastructure Improvements Project in 2015 had to work around buildings as well as under railroad tracks to install essential truck infrastructure
Image 2: Finishing work on the first block of Main Street during the 2016 portion of the Downtown Infrastructure Improvements Project started at the end of June with crews pouring and placing concrete to form the new roadway

NE Minot Sewer Project

Rapid growth on the north side of Minot, coupled with the need for low- to moderate-income housing, prompted City of Minot officials to commission the North Minot Sanitary Sewer Study. The study identified system deficiencies and generated alternatives to serve the future north Minot sanitary sewer service areas. As a result, several projects have been or will be completed to serve as the backbone of a new sanitary sewer to serve north Minot. This trunk sewer system will open up the ability to serve more than 10,000+ acres.

One large piece of the new NE Minot Sanitary Sewer System is the new 55th Street NE Lift Station



This map lays out a number of the projects associated with the new NE Minot Sanitary Sewer System

These projects included the following:

- Almost $7 million in capacity and control upgrades to master and control lift stations, funded by CDBG-DR monies and a North Dakota Trust Lands grant.
- $5.6 million toward the 30th Ave/55th Street NE gravity sewer line, where 15,000 feet of 30-inch sewer was placed from May 2014 to October 2015.
- New 55th Street NE gravity and force main lines, made up of 10,500 feet of 24-inch and 30-inch force main and 3,100 feet of 15-inch gravity sewer, at a cost of nearly $6 million. This project took more than two years to construct and was finished in April 2016.
- A $7.1 million new lift station at 55th Street NE. With funding from CDBG-DR sources, a N.D. Trust Land grant and bonds, this new regional lift will convey all the sanitary sewer flows from the north Minot sewer system to the city lagoons. This project is still underway.
- The 30th Ave. and Livingston Coulee Lift Stations and force mains, at a cost of $9.4 million, will convey sewer flows from northwest and northeast Minot to the 55th Street Lift Station. This project started in July 2015 and is still under way.

Major Street Projects in Minot

Not to be outshined by flood protection, and below ground infrastructure, two major road projects in 2016 are happening as a result of growth in Minot. Both projects are substantially funded by North Dakota surge funding, approved by the North Dakota Legislature in 2015.

Almost a one-mile stretch of 37th Avenue SW is being transformed from a rural, two-lane section road to an urbanized five-lane concrete section with a shared-use path on the south side. This portion of southwest Minot is growing with both residential and commercial needs, including a planned Trinity Hospital complex along the corridor. The project includes bringing 37th Avenue above the 100-year flood plain, installing double 7’x7’ box culverts along Puppy Dog Coulee, and installing new storm sewer, curb and gutter.

Lower-than-expected bids were accepted by the City in spring 2016, as Wagner Construction, Inc. was awarded the job at a construction cost of $6.65 million. It is anticipated that the upgraded road will be done by the end of October 2016.

On the opposite side of town in northwest Minot, a road extension project is underway to provide a secondary arterial road to Minot Public School's Erik Ramstad Middle School and eliminate roadway congestion. The 36th Avenue NW Extension Project will take the road from where it stops near 8th Street NW and bring it all the way east to Broadway (U.S. HW 83). As northwest Minot is continuing to grow, the 36th Ave NW extension will promote growth and improve traffic flows around the recently built middle school. The project is more than just a new road; construction includes a 10-foot shared use path on the south side of 36th Avenue, street lighting, a detention pond and lift station, and traffic signals at the intersection of Broadway and 36th Avenue NW.

This project also came in under budget, as Keller Paving and Landscaping, Inc. was low bidder at a cost of $2.93 million. The end date of the project is projected to be the middle of October 2016.

With the underground work complete and the roadway widened from 2 lanes to 5, 37th Avenue SW is just about ready to receive the concrete that will mark the beginning of the end of this major road project in the Magic City

Conclusion

And while it may be hard to believe, these aren't the only projects happening in Minot. There is continuous maintenance of existing roads and underground infrastructure, new permits from businesses, work on the outskirts of the City of Minot at the Port of North Dakota, and many other projects. For the latest on what is happening within the City of Minot, go to www.minotnd.org.

Communicating with the News Media

LeeAnn Tillotson, North Dakota Department of Health

With recent drinking water events across the nation, the news media and the public have turned their attention to drinking water quality. This is understandable, since public drinking water is provided to millions of Americans and consumers want to be sure that the water coming from their faucets is safe. With this increased attention to drinking water, some of you may have been asked for a media interview for the first time. This can be stressful for most people, even for those who do interviews on a more regular basis. The following are a few suggestions for communicating with the news media. Reading through these tips may make you feel more at ease during your next visit with a reporter.

Be Open and Honest

The number one rule for talking with the media is to be open and honest. Evading a question or giving misinformation will come back to trouble you. If the media are interested in talking with you, it is because their listeners or readers are interested in what you have to say. Being honest with reporters means being honest with the public and your customers. Building trust with the media and your customers is important for any water system. Try to view the interview as an opportunity to build that trust.

Provide Information

One of the worst things you can say to a reporter is 'no comment'. Not commenting on a question makes you and your organization look like you are hiding something, even if you are not. Remember that each interview is an opportunity to connect with your community in a positive way. If you feel something is confidential, you can always talk about the process that surrounds that issue.

Focus on what you can say. Explain why you can't share something. Then talk about what happens next. The average citizen does not understand how their drinking water gets to their faucet, or how it is tested or processed. Explaining these processes instead of saying, 'no comment', can provide useful information and will help them understand and have confidence in your commitment to provide safe water.

Deliver Your Message

If possible, take some time to prepare before the interview. You will feel more confident and the interview will go more smoothly. In particular, prepare a specific message you want to convey during the interview. Keep it simple and brief. Short answers are better than long ones. Repeat your message often during your interview to ensure that it is understood by the reporter and included in the article or news clip. Reporters are not always very familiar with the topic they are asking about, so they may need direction from you. If you are thinking of a prepared message, you can more easily redirect the discussion to information you feel is important for the public to hear.

Most reporters will end an interview asking if they missed anything or if there is anything you would like to add. Be prepared for that question. Use it to repeat the main point of your message, or restate something to make sure the reporter understands what you are saying. If you know your message before the interview, you will be able to deliver it more easily.

It's Okay to Say You Don't Know

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It is not always easy to admit that we don't know something. We don't want to look like we are uninformed, but when talking with the media, if you don't know the answer, say so. It is better to offer to find the information and call the reporter back than to speculate or guess and provide information that may not be accurate. Of course, if you say you will follow up with the reporter, be sure to do so as soon as you have the requested information. Interviews are an important opportunity to build relationships with the media and your customers. Being honest about what you do and don't know and following up with answers, is a good way to develop their confidence and trust in you.

You Can't Control the Story

It is natural to worry after an interview about whether we said the right thing, or made ourselves and our organization look good. It is important to remember that you cannot control the outcome of the story. In the end, the reporter will choose what information to include and the final slant of the report. Therefore, during the interview it's important to focus on the things that you can control such as making sure that you provide honest, accurate information that reflects your message. This information will help the reporter and the public understand the situation at hand. Building trust with the media and your customers is important. When the next reporter calls, try to present information using the tips listed here; and, keep in mind that every media contact is just another opportunity for establishing a positive connection with your customers and the media.

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

NDWPCC

Upcoming Conference Dates:

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

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

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

NDWPCC JOINT BOARD MEETING MINUTES
May 17, 2016
Bismarck, ND

A meeting of the Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC); North Dakota Water Environment Association (NDWEA); North Dakota Chapter of the American Public Works Association (NDCAPWA); North Dakota Section of the American Water Works Association (NDAWWA); and the North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA-ND) was held on May 17, 2016, in the Heart Room of the Ramkota Hotel, Bismarck, ND. The following board members and guests were in attendance: Chuck Abel, Mike Brisben, Jacqueline DeMent, Tracy Eslinger, Joe Ferguson, Bill Gefroh, Fred Goetz, Dallas Grossman, Terry Halstengard, Marty Haroldson, Shawn Heinle, Jeff Heintz, Jeff Hruby, Barry Johnson, Wei Lin, Seth Lynne, Lance Meyer, Dayna Morton, Karla Olson, Tim Paustian, Mark Peterson, Meredith Quinn, Karl Rockeman, Jake Schafer, Luci Snowden, Gregg Stewart, Matthew Stone, Don Wald, Greg Wavra, Adam Zach and Gary Zuroff.

The meeting was called to order at 10:32 a.m. by NDWPCC President Seth Lynne. Copies of the meeting agenda and January 1 through April 30, 2016, financial report were provided to those in attendance.

The first order of business President Lynne called for a motion to dispense with the reading of the minutes and approve the copy sent to all board members. Joe Ferguson so moved, Matt Sperry seconded, and the motion carried.

Next, President Lynne called for the Treasurer's Report. Mike Brisben read the 2016 NDWPCC financial report which showed a net loss of $59,051.92 and total assets of $61,346.13. Mr. Brisben noted that deposits totaling $68,908.00 were made in May 2016 bringing NDWPCC total equity to $130,254.13 resulting in a net gain of $9,881.08. President Lynne asked for any further discussion. Hearing none, President Lynne called for a motion to approve the Treasurer's Report. Lance Meyer so moved, Wei Lin seconded, and the motion carried.

Next President Lynne asked that topics and presenters lists be provided to Mr. Brisben by June 1, 2016. Tracy Eslinger noted that he had been asked if more topics geared towards operators rather than engineers could be added. Bill Gefroh indicated that input from the operators on what is needed would be helpful.

Meredith Quinn inquired if there was ever a shortage of speakers. Mr Brisben noted that there were usually a few extra topics available if someone had to cancel. Ms. Quinn indicated NDAWWA was checking on a hydrant O&M presentation as part of their track. Mr. Brisben indicated that if more operator related topics were available he would try to include them. Further discussion included providing a list of topics polling the attendees during the panel discussions and posting the lists at the joint board booths during the exhibitor program. President Lynne noted that it was up to the joint boards to be creative when selecting topics. President Lynne called for any other old business.

Hearing none, President Lynne called for a report on 2016 local arrangements. Mr. Brisben noted that meetings with the local arrangements committee and the convention center were held May 4, 2016. Mr. Brisben indicated that once again there would not be a spouse/guest event and that the City of Minot would be providing transportation for the facility tours. Mr. Brisben also noted that a one day pre-conference workshop had been offered. Greg Wavra indicated that the training would be on "Utility Workforce Recruitment and Retention."

Moving on, President Lynne asked for a report of the 2016 Operator Training Program. Mr. Brisben reported that once again there were six sessions with 339 attending and 217 exams written. Mr. Brisben also noted that the exhibitor and sponsor announcement, along with speaker invites, would go out the first week of June.

Next, President Lynne asked for an update on conference entertainment. Lance Meyer addressed the joint boards and recommended a move to Tuesday night rather than during the awards banquet on Wednesday. Mr. Meyer noted that a Tuesday night venue would help keep attendees at the conference location. Mr. Meyer indicated that the entertainment would be a two hour show after the buffet called "Dueling Pianos" costing $6,500.00. Mr. Meyer noted that local arrangements was working with Minot CVB to offset some of the costs and that other funding options were being considered.

The consensus was that the recommendation was a great idea that offered a good change of pace. Dale Heglund recommended raising exhibitor fees to provide funding. Tracy Eslinger moved that booth fees be raised accordingly, Tim Paustian seconded. Mr. Meyer asked when the vendors would know there was an increase. Mr. Brisben indicated it would need to be included in the June mailing. Bill Gefroh suggested the fee should be a set amount with Ms. Quinn agreeing. President Lynne asked Mr. Eslinger if he would care to amend his motion. President Lynne called for a show of hands and the motion failed. Meredith Quinn motioned that the exhibitor fee be raised to $200.00, Gary Zuroff seconded, and the motion carried. Further discussion followed recommending a maximum for entertainment. Tim Paustian suggested the NDWPCC board consider each event separately.

President Lynne called for any other new business. Hearing none, President Lynne called for a motion to close the meeting. Karla Olson so moved, Karl Rockeman seconded, and the motion carried.

The meeting adjourned at 11:16 a.m. The NDAWWA can be thanked for the refreshments and noon luncheon.

Respectfully submitted,

Mike Brisben
Secretary/Treasurer

MB:kh

Deuces Wild Dueling Pianos to Entertain NDWPCC!

The duo Deuces Wild will provide entertainment for the NDWPCC on Tuesday, October 11th, 2016 from 7:00pm - 9:00pm in the Exhibition/Rhodes Room. Here's a little about the duo:

Dave:

Son of a miner from the northern woods of Minnesota, David Charles Eichholz is a versatile, self taught musician who plays the piano, guitar, saxophone, harmonica, trumpet and countless other instruments. David was also part of the “Pringles” Award winning band “City Pretty” as well as the band “Rave On!”. He was featured internationally on the Swedish television show ‘Christine’. He was then recruited by Little Ditty’s, Dueling Piano Bar at the Mall of America in Minnesota where he performed four nights each week for five years. David also recorded and produced the sound track to the “Prime Target” video game (50,000+ copies sold). He was also featured in an issue of World Traveler Magazine, the in-flight publication of Northwest Airlines.

Ted:

Ted got his start in Deuces Wild by walking out of his day-job and demanding an audition. Although he hadn’t previously played in a dueling piano style show, his amazing showmanship and obvious ability to perform as a world class entertainer blew away the competition! Since then he has played thousands of dueling piano shows with performances all over the country!

When not on the road with DWDP, Ted spends his time as a producer of sold out shows, including the Billy Joel and Elton John tribute show “Eye 2 Eye,” and the ever popular annual “Rock n Roll Xmas Spectacular,” which he co-produces with former Jonny Lang guitarist Paul Diethelm.

Ted also spends time in the studio as jingle writer, recording artist, and producer of both his first CD “Gather Us In,” and his Rock and Roll Xmas CD, “Trim My Tree.” and “RRXS - Live at The Paramount” CD. He’s been an actor and a game show host! Whether it be in front of thousands of people opening for HBO’s Dennis Miller, or selling out theaters with Deuces Wild nationwide…Ted has consistently proven that he truly is a showman’s showman and musician’s musician!

DEUCES WILD

DUELING PIANOS

Drinking Water Program Directory		
Program Administrator	Greg Wavra	701-328-5257
Acrylamide and Epichlorohydrin Rule	Gary Stefanovsky	701-328-5287
Arsenic Rule	Amy Kinzler	701-328-5258
Consumer Confidence Reports	LeeAnn Tillotson	701-328-5293
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	701-328-5258
Groundwater Rule	Gary Stefanovsky	701-328-5287
Inspections: Northeast	Gregg Stewart	701-328-6621
Inspections: Northwest	Ivana Striebel	701-328-6624
Inspections: Southeast	Jacob Schafer	701-328-6375
Inspections: Southwest	Shawn Heinle	701-328-6627
Inspections: South Central	Bob Markhouse	701-328-6623
Lead and Copper Rule	Tammy Lamphear	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**

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	701-328-5237
Construction Stormwater	Dallas Grossman Patty Omlid Duane Sandvick Dan Webber	701-382-5242 701-328-5239 701-328-5260 701-328-5285
Dewatering and Hydrostatic Testing	Sarah Waldron	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	701-328-5240
Industrial Stormwater	Dallas Grossman Patrick Schuett	701-328-5242 701-328-5235
Inspections	All Staff	701-328-5210
Lagoon Overflows/Releases/Spills	All Staff	701-328-5210
MS4 Stormwater	Dallas Grossman Patty Omlid Duane Sandvick Danial Webber	701-328-5242 701-328-5239 701-328-5260 701-328-5285
Public Notices/NDPDES Permits	Patrick Schuett	701-328-5235
Septic Pumper	Sarah Waldron Sarah Starr	701-328-5237 701-328-5215
Wastewater Discharge Approvals	All Staff	701-328-5210
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