North Dakota Water and Pollution Control Conference

NDWPCC

OFFICIAL BULLETIN

VOLUME 100 JULY - SEPTEMBER 2013 NUMBERS 7-9

CONFERENCE ISSUE

TEAM LAB

"INNOVATIVE SOLUTIONS"

SINCE 1977

Since 1977 Team Laboratory Chemical Corp. has responded to the needs of operators in the wastewater industry with its TeamTreat™ lineup of products. The TeamTreat™ program was developed as both a problem-solving and preventative maintenance program. TeamTreat™ will enable your entire wastewater system, from collection to treatment, to operate at maximum efficiency.

SLUDGE REDUCTION PROGRAMS

FROM THIS...

...TO THIS!

FROM THIS...

...TO THIS!

GREASE CONTROL PROGRAMS

FROM THIS...

...TO THIS!

AQUATIC PLANT MANAGEMENT PROGRAMS

FROM THIS...

...TO THIS!

Solving your everyday wastewater problems with
"INNOVATIVE SOLUTIONS"!

TEAM LAB

"INNOVATIVE SOLUTIONS"

TEAM LABORATORY CHEMICAL CORP.
Phone: 800-522-8326 * Web: www.teamlab.net
Email: sales@teamlab.net

Editor
Justin Feld

Business Manager
Patty Carman

Contributing Authors
Drinking Water Program Staff
Operator Certification, Training and Facility Inspections Unit Staff
Chad Zander, West Fargo Public Works
NDWPCC President Bill Gefroh
Grand Forks Public Works
North Dakota AWWA Young Professionals

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

OFFICIAL BULLETIN

Official Publication of the
North Dakota Water and Pollution Control Conference

Conference Issue **Established 1935**

VOL. 100 **July-Sepembert 2013** **NOS. 7-9**

PRESIDENT - Bill Gefroh
PRESIDENT-ELECT - Dean Sletten
VICE PRESIDENT - Dan Jonasson
DIRECTORS - Seth Lynne, Joe Ferguson, Tracy Eslinger, Mike Berg
ASSOCIATE DIRECTOR - Jeff Reiser
SECRETARY-TREASURER - Mike Brisben

INDEX TO ADVERTISERS

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

FIRM **PAGE**
Ackerman Estvold 16, 48
AE_2S....7, 26
Apex Engineering.... 11, back cover
Badger Meter 52
Bartlett & West....47
Dakota Supply 46,
Electric Pump 9
Engineering America 28, 59
ESS Brothers & Sons, Inc. 20, 46
Ferguson Waterworks.... 10, 31
Ford Meter Box....57
Hawkins Water Treatment Group 51
Hughes Lift Station Service 45
Interstate Engineering....22
KLJ 27, 58
Lightowler Johnson Associates....42, 65
Moore Engineering....13, 48
MVTL 41
ND Sewage Pump & Lift Station Service 23, 62
SEH 4, 31
Sioux Valley Environmental 63
Stantec 38
Team Lab Chemicals .... inside front cover, 26
Thein Well 63
Tonka Water ....59, inside back cover
Ulteig Engineering 14
Utility Service Group....61
Van Bergen & Markson, Inc. 57
Water Conservation Service....9
Widseth Smith Nolting....19
Wold Engineering....5

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

CONFERENCE BUSINESS PHONE: **701-328-6622**

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

TABLE OF CONTENTS

SUBJECT **PAGE**
2013 Conference Officers 2
NDWPCC President's Letter 2
2013 Conference Activites 3
City of West Fargo Celebrates National Public Works Week....5
APWA Membership Application 6
AWWA Board of Trustees Meeting Minutes....8
2013 Conference Sponsors for Door Prizes, Social Hour, Coffee Breaks and Golf Tournament....11
Conference History 12
The Dixie Cups....14
National Representatives....15
City of Grand Forks Wastewater Treatment Facility....17
New Stage 2 Disinfection and Disinfection By-Products Rule....21
City of Grand Forks Sanitation Department 24
2013 Conference Announcement....29
Meeting Schedule 30
Registration Form 32
Membrane Workshop 33
Schedule of Concurrent Sessions....34
City of Grand Forks Flood Protection....37
Disaster Management Registration....39
The Greenway.... 40
Guide to Exhibitors in the Tabletop Display Program 43
Field Demonstrations....49
Public Works, Greenway, and Flood Protection Workshop 49
NDWPCC Joint Board Meeting Minutes....50
Herkimer Cartoon....52
NDWPCC Proposed Changes to Constitution and Bylaws....53
An Investigation into Bromate Formation in the Ozone Disinfection Process. 58
North Dakota Rural Water Expo....61
Change of Leadership for North Dakota Department of Health Drinking Water Program....62
North Dakota Department of Health Welcomes A New Program Administrator 63
Program Directories 64

On the cover: Grand Forks Art Fest, Grand Forks, North Dakota. Photo provided by Grand Forks Public Works Department.

To receive the *Official Bulletin* electronically or to no longer receive a paper copy, email Justin Feld at jfeld@nd.gov, or call 701-328-6624.

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

NDWPCC President's Letter

by Bill Gefroh, North Dakota Water and Pollution Control Conference President

Dear Members and Friends of the Conference:
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 delighted to invite you to attend the 85th Annual Conference on October 22, 23 and 24 at the Alerus Center in Grand Forks.

This year's conference will offer mobile workshops, municipal tours, expanded vendor table top displays and three concurrent sessions for your professional development. The mobile workshops will feature membrane treatment and Public Works projects such as flood protection, landfill and storm water. The Conference provides a great setting to network with local and state representatives, consultant engineers, operators, vendors, colleagues and peers. The sponsoring organizations will recognize many individuals and several engineer companies that have made significant contributions, provided outstanding work and attained great accomplishments in the water, wastewater, stormwater and public works projects. Attending the Conference will provide you with an opportunity to show your appreciation and learn about the recently completed and upcoming projects. Discussions are held on the upcoming regulatory issues. Attendees will also be able to network with other professionals and view the newest products that the vendors will showcase that can make your job easier and safer.

In addition, there will be a preconference workshop addressing "Disaster Management." This is a one-day workshop scheduled for Monday October 21, 2013, from 9 AM to 5 PM at the Grand Forks Public Works facility.

I hope to see you in Grand Forks at the Conference and encourage you to become an active member in one of the sponsoring organizations. Mark your calendar and register early.

Sincerely,
Bill Gefroh, President

2013 Conference Officers

DEAN SLETTEN
Moorhead
PRESIDENT-ELECT

DAN JONASSON
Minot
VICE PRESIDENT

SETH LYNEE
West Fargo
DIRECTOR

TRACY ESLINGER
West Fargo
DIRECTOR

MIKE BERG
Bismarck
DIRECTOR

JOE FERGUSON
Grand Forks
DIRECTOR

JEFF REISER
Bismarck
ASSOCIATE DIRECTOR

MIKE BRISBEN
Bismarck
SECRETARY-TREASURER

2013 ANNUAL CONFERENCE ACTIVITIES

EARLY BIRD WELCOME

Monday 6:30 p.m. - 9:30 p.m.
Upper Playmakers Lounge
Canad Inn

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.
Pre-Function Area
Alerus Center Door 5

MEALS

Tuesday Lunch 11:30 a.m.
Aurora Ballroom

Tuesday Reception 6:30 p.m. - 8:30 p.m.
Aurora Ballroom

Wednesday Free Buffet Breakfast 8:00 a.m. - 10:00 a.m.
Sponsored by Vendors and Suppliers
Aurora Ballroom

Wednesday Lunch 12:00 noon
Aurora Ballroom

Wednesday Social 5:30 p.m.
Aurora Ballroom

Wednesday Banquet 6:30 p.m.
Aurora Ballroom

Thursday Lunch 12:00 noon
Aurora Ballroom

GOLF TOURNAMENT

Tuesday 1:00 p.m.
King's Walk Golf Course
5301 S Columbia Rd

FIELD TRIPS

Monday 2:00 p.m.
Grand Forks Municipal Facilities

Tuesday 9:00 a.m.
Grand Forks Municipal Facilities

Thursday
Grand Forks Municipal Facilities 2:00 p.m.

SPOUSE/GUEST PROGRAM

Wednesday 11:00 a.m. - 1:30 p.m.
A free spouse/guest program Wednesday October 23rd, will include an 11:00 a.m. luncheon and 12:30 p.m. tour

WATER AND WASTEWATER OPERATOR CERTIFICATION EXAMINATIONS

Tuesday 7:30 a.m. - 11:30 a.m.
Ambassador C Room Canad Inn

pH CERTIFICATION

Tuesday 9:00 a.m. - 11:00 a.m.
Finch Room Alerus Center

YP POSTER COMPETITION

Tuesday 6:30 p.m. - 8:30 p.m.
Aurora Ballroom

TABLETOP DISPLAY PROGRAM

Aurora Ballroom

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

Wednesday 1:30 p.m. to 2:30 p.m.
Field Demonstrations
Tapping & Sewer Televising

LOCAL ARRANGEMENTS COMMITTEE

Hazel Sletten
Dave Kresel
Joe Ferguson
Cheryl Ramberg
Deb Stewart
Dave Kratochvil
Don Tucker
Nicole Blair

With
GROWTH
comes
RESPONSIBILITY.

Being part of the **North Dakota Business Community** means being responsible to **YOU**.

Some communities where you can find our work.

Bismarck

Dickinson

East Grand Forks

Fryburg

Grand Forks

Hankinson

Lincoln

Mandan

New Town

Cass County

Clay County

North Dakota State University

Minn-Dak Farmers Cooperative

Grand Forks/East Grand Forks Metropolitan Planning Organization

Water	Architecture
Wastewater	Planning
Stormwater	Transportation
Environmental	Civil Engineering

OPENING AN OFFICE IN BISMARCK, N.D.

SEH

Building a Better World for All of Us™

Engineers | Architects | Planners | Scientists

800.325.2055

sehinc.com

City of West Fargo Celebrates National Public Works Week

by Chad Zander, West Fargo Public Works

In cooperation with the APWA National Public Works Week, the City of West Fargo celebrated National Public Works Week on Wednesday May 15, 2013. "Since 1960, APWA has sponsored National Public Works Week. Across North America, our more than 28,000 members in the U.S. and Canada use this week to energize and educate the public on the importance of the contribution of public works to their daily lives: planning, building, managing and operating the heart of our local communities and building the quality of life." (APWA, 2013)

Students, Teachers and Public Employees Participate in Public Works Week

Students Learn the Importance of Public Works

The City of West Fargo celebrated by inviting four third-grade classes to its public works facility in West Fargo. Included were one hundred kids and their respective teachers from Westside Elementary School in West Fargo. The activities lasted for several hours and included educational sessions, games and equipment demos.

The educational sessions included a program on the City's water system and another on storm water and pollution prevention. The students were also provided with a public works activity book, several APWA pencils and a pencil holder. The City allowed the students to sit in and learn about six common pieces of equipment. The equipment included a motor grader, sanitation packer, recycling truck, truck plow, street sweeper and a pay loader.

The City received a very good response from both the students and the teachers on the value of the field trip. Overall, it was a very successful demonstration and educational opportunity for the students.

Wold Engineering, P.C.

Consulting Engineers & Land Surveyors

Bottineau (701) 228-2292
Bismarck (701) 258-9227
Minot (701) 852-0338
Email: wold@woldengr.com

Membership Application

Step 1 Decide which type of membership works best for you (Individual or Group)

INDIVIDUAL MEMBERSHIP

Available to any official or employee of a governmental agency, manufacturer, supplier, contractor, or consulting firm that is actively engaged in the field of public works. ❑ $164 USD/CAN

❑ *Never been a member? Get your FIRST YEAR of individual membership at HALF-PRICE! (Just $82 USD/CAN each!)*

GROUP MEMBERSHIPS

Groups will receive one consolidated renewal notice with a member roster attached. Members may be added or dropped from the roster throughout the year, if necessary.

Public Agency Group Membership

Available to any federal, provincial, state, local or other public agency concerned with public works. The number of individual memberships and the annual fee for an agency are based on the population served by the agency. When joining as an agency, each member saves $26 USD/CAN on annual membership dues.

- **State or Provincial Agencies**—Number of rostered members and annual dues for the group would be determined using the "Population Served" row representing 10% of total state population. (Please also mark applicable category and provide names and contact information for all those who should be included on the group roster.)
- **County Agencies**—Number of rostered members and annual dues for the group would be determined using the "Population Served" row representing 50% of total county population. (Please also mark applicable category and provide names and contact information for all those who should be included on the group roster.)
- **Special Districts**—Number of rostered members and annual dues for the Group would be determined using the "Population Served" row representing 20% of total district population. (Please also mark applicable category and provide names and contact information for all those who should be included on the group roster.)
- **All others**—Refer to row representing total population served by the agency. (Mark the category representing total population served by the agency and provide names and contact information for all those who should be included on the group roster).

Population Served	Number of Rostered Members Covered*	Annual Dues USD/CAN
❑ 0 – 10,000	2	$ 276
❑ 10,001 – 25,000	4	$ 552
❑ 25,001 – 50,000	6	$ 828
❑ 50,001 – 100,000	10	$1380
❑ 100,001 – 300,000	16	$2208
❑ 300,001 – 500,000	20	$2760
❑ 500,001 – 1,000,000	26	$3588
❑ More than 1,000,000	30	$4140
❑ Federal Agency	50	$6900

Corporate Group Membership

Available to any non-governmental entity that furnishes public works services or products, including privately held or incorporated utilities. There are three levels of corporate group membership: Heritage, Prestige, and Crown. Please select a membership level and provide names and contact information for all those who should be included on the group roster.

Corporate Membership Level	Number of Rostered Members Covered*	Annual Dues USD/CAN
❑ Heritage	2	$ 403
❑ Prestige	10	$1683
❑ Crown	40	$7991

***You may designate additional members for $138 USD/CAN each.**

Fee schedule effective through December 31, 2012

Step 2 Dues, Member Information, and Payment

Membership is for one year and will begin upon receipt of dues payment. Purchase orders are acceptable, but members will not receive benefits until receipt of payment. MasterCard, Visa and American Express are accepted – please provide credit card number, expiration date, and cardholder name. If billing address is outside North Dakota, please contact APWA for information regarding chapter dues.

APWA membership dues are not deductible as a charitable contribution but may be deductible as an ordinary business expense, subject to IRS limits. APWA does not designate the use of membership dues for lobbying or advocacy efforts, however eight percent (8%) of our total operating budget is allocated towards advocacy-related programs, including staff salaries. Please consult your tax professional with regards to eligible ordinary business expenses.

Send remittance to: American Public Works Association, PO Box 802296, Kansas City, MO 64180-2296
(Credit card payments may be faxed to: 816-472-1905 or 816-472-1610)

Include the full name, job title, company/agency, mailing address, phone, fax, and e-mail (if available) for each person membership is to cover.

Questions? Contact a membership specialist at 800-848-APWA or membership@apwa.net.

APWA Headquarters: 2345 Grand Blvd, Suite 700, Kansas City, MO 64108-2625

ELEMENTS OF YOUR SUCCESS

Vision. Value. Passion. Integrity. Relationships. Attitude.

These elements make up the structure of AE2S. What does that mean to you? Extreme client service, trusted relationships, a shared vision for your future, and passion for every project. They all translate into your success.

Advanced Engineering and Environmental Services, Inc. (AE2S) Offices:
Bismarck Dickinson Fargo Grand Forks Minot Watford City Williston
Eagan Maple Grove Moorhead
Great Falls Kalispell
Madison
Salt Lake City
www.ae2s.com

WATER ENGINEERING
FINANCIAL/ASSET MANAGEMENT
INSTRUMENTATION & CONTROLS
ELECTRICAL ENGINEERING
CIVIL ENGINEERING
STRUCTURAL ENGINEERING
LAND DEVELOPMENT
SURVEY/MAPPING/GIS

AE2S®
Think Big. Go Beyond.

AWWA Board of Trustees Meeting Minutes

May 14, 2013, Mandan, North Dakota

The spring meeting of the North Dakota Section of the American Water Works Association was held at the Seven Seas Inn in Mandan, N.D. on May 14, 2013. Present at the meeting were Chair Eric Volk, Chair-elect Jason Sorenson, Past-chair Tim Paustian, Director Larry Thelen, Trustee Nancy Huether, Assistant Secretary/Treasurer Greg Wavra. Others attending the meeting were Joe Fergusson, Lisa Ansley, Dean Sletten, Darrell Casteel, Murthy Kasi, Mark Peterson and Hazel Sletten.

The meeting was called to order by Mr. Volk at 8:00 a.m.

Secretary Report

The Secretary's Report was presented by Mr. Thelen. Mr. Paustian moved to approve the minutes of the January 15, 2013 Board Meeting. Mr. Sorenson seconded the motion. The motion carried.

Treasure's Report

Mr. Wavra presented the Treasurer's Report. As of May 13, 2013, the Section had income of $15,116.13 and expenses of $4,872.15. The Section has $31,809.30 in the checking and money market accounts. The Section also has $83,964.13 in student support endowments and reserve accounts. Ms. Huether moved to accept the Treasurer's report. Mr. Paustian seconded the motion and the motion carried.

Committee Reports

Education and Research Committee:

Science Fair – Judges were John "Fred" Goetz and Rod Kalis from the Grand Forks Water Treatment Plant. The Junior Division winner was Brandon Skjoiten from the Hankinson School District. His project was titled "A Chemical and Biological Analysis of Lake Elsie". The Senior Division winner was Kelsey Gaukler from the Hankinson School District. Her project was titled "The Hydrological Assessment of Area Lakes." Both received a cash award of $75.00 and a certificate.

YP – Ms. Sletten and Mr. Kasi will work together regarding a student "meet and greet" and the YP posters coordination, and the possibility of a University forum at at the conference on Tuesday.

Water Day - Water Day at the State Fair is Thursday, July 25, 2013. Ms. Sletten and Mr. Volk will be there, and Mr. Sorenson will help if his schedule allows. The AWWA booth will be next to the NDRW booth and the Grand Forks booth. Mr. Thelen indicated he would check his schedule to see if he would be available to help. Ms. Huether moved to approve the $100.00 fee for the booth. Mr. Thelen seconded the motion, and the motion carried.

Surface Water Workshop - The 2014 SWW is scheduled for April 29, 30 and May 1, 2014. It will be held at the Holiday Inn in Fargo. Ms Sletten will work with Mr. Thelen and Ms. Courtney Peterson to schedule a meeting in Ms. Meredith Quinn's absence.

The Section will also work to provide topics and presenters for the conference. The conference will have a mobile workshop providing information on membrane treatment.

PR Committee:

Sarah Volk is working on updating the AWWA website. The update is scheduled to be completed in May.

Water for People Committee

Mr. Thelen and Ms. Sletten will prepare and present the permit to the City of Grand Forks to have a raffle at the conference. There will be cash prizes of $150.00, $100.00 and $50.00. The drawing will be held at the banquet.

Membership Committee:

Currently, the Section has 349 total members. Of those, 16 are on the late roster. The Section is also participating in the 2013 Membership Challenge. The goal is to retain 67 percent of the first-year members.

MAC Committee:

Ms. Ansley and Mr. Casteel are still working with vendors to start a MAC in the section. There will be a pipe tapping demonstration at the conference.

Director's Report

The winter board meeting was held in Nashville, Tenn. During that meeting, Mr. John Donahue was elected President-Elect. The following were elected to serve as Association vice-presidents: John Alston (Montana Section); Douglas Brinkman (Chesapeake Section); Jeff Nash (Florida Section); and Michael Simpson (Indiana Section). Martha Segal from the Kentucky-Tennessee Section was elected director-at-large.

The AWWA visiting officer for the conference will be Mr. Charlie Anderson, Past-President.

Old Business

Mr. Volk and Ms. Huether attended the Region Meeting of Section Officers in Milwaukee, Wisconsin. There were 43 regional members who attended the meeting. One of the topics discussed was how to recruit and retain small system members. NDAWWA will host the RMSO in 2016.

Mr. Volk reminded the nominating and awards committees (Trustee, Fuller, and Operator Meritorious) to complete their selections so ballots and awards could be prepared in time for the conference.

Mr. Paustian and Mr. Thelen reported that the By-law changes have been submitted to the Association for approval so they can be voted on at the member meeting in October.

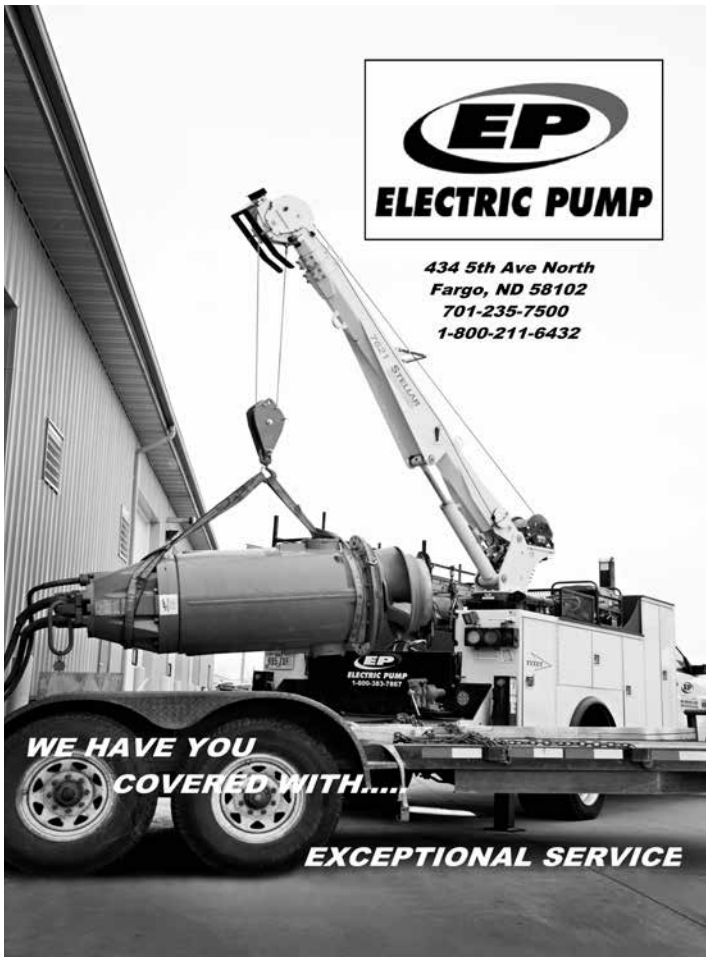
New Business

Summer Workshop – Mr. Murthy Kasi would be asked if he was interested in attending the Summer Workshop in Denver, July 24-25, 2013.

Section Staff – Ms. Huether brought up the possibility of the Section looking at part-time staff. She felt that with all the things going on and the workload of the volunteers that maybe it is a good time to have a discussion about it. It was decided to discuss it more at the October meeting.

Mr. Paustian moved to adjourn. Ms. Huether seconded the motion, and the motion carried.

Respectfully submitted,
Larry Thelen, Director/Assistant Secretary/Treasurer



Water System Leak Detection & Surveys

In the last 3 years, WCS has helped save over **2.78 Billion Gallons of Water** and helped return over **8.35 Million** Dollars back to city budgets by providing Water System Surveys. Call for your FREE quote for your cities Water Distribution Survey, and get on our calendar for this Summer.

Dependable, Accurate & Experienced Leak Detectors

Now Offering:
- Asset Mgmt-GPS Data Collection
- Inspections-RPZ's, I&I, Manholes
- Pool, Plastic Irrigation, & In-Floor Heating Leak Detection

WATER Conservation Services, Inc.

www.watermainleaklocator.com

Call Tony Schrantz ...612-600-8716
...24 hr Emergency Service

COUNT ON US

In the waterworks business, time means money. At Ferguson, we understand this fact and want to ensure you meet your schedule by providing you the largest inventory in the region:

- Water & Sewer Distribution Products
- Water Meter Systems
- Storm Water Systems
- Rural Water Systems
- Treatment Plant Pipe & Valves
- Polyethylene Pipe & Fusion Equipment
- Pressure Sewer Systems
- On-Site Septic Systems
- Irrigation Systems
- Locators & Safety Equipment
- Geosynthetic Products

You can COUNT ON Ferguson Waterworks to provide you what you need.

FERGUSON® Waterworks

1917 1st Ave N • Fargo, ND 58102 • 701-293-5511 • 800-437-4362
1201 Airport Road • Bismarck, ND 58504 • 701-258-9700 • 800-932-8759

2013 Conference Sponsors for Door Prizes, Social Hour, Coffee Breaks and Golf Tournament

Thank You for Your Contribution!

AE2S
4050 Garden View Dr
Ste 200
Grand Forks, ND 58201
701-746-8087

Apex Engineering Group
4733 Amber Valley Parkway S
Fargo, ND 58104
701-373-7980

EJ Iron Works
3538 Rudolph Rd
Eau Claire, WI 54701
715-271-9014

Engineering America
647 Hale Ave N
Oakdale, MN 55128
651-777-4041

ESS Brothers, Inc.
9350 County Rd 19
Loretto, MN 55357
763-478-8868

Ferguson Waterworks
1917 1st Ave N
Fargo, ND 58102
701-293-5511

Houston Engineering, Inc.
1401 21st Ave N
Fargo, ND 58102
701-237-5065

Kadrmas, Lee, & Jackson
128 Soo Line Dr
Bismarck, ND 58502
701-355-8400

Killoran Trucking & Brokerage, Inc.
PO Box 66
Tower City, ND 58071
701-749-6190

Moore Engineering, Inc.
925 10th Ave E
West Fargo, ND 58078
701-282-4692

MVTL Laboratories, Inc.
2616 E Broadway Ave
Bismarck, ND 58501
701-258-9720

Quality Flow Systems, Inc.
800 6th St. NW
New Prague, MN
952-758-9445

S. Roberts Company
17575 Bearpath Tr
Eden Prairie, MN 55347
952-949-2655

Short Elliott Hendrickson, Inc. (SEH)
3535 Vadnais Center Dr
St. Paul, MN 55110
651-490-2000

Stantec Consulting Services
2335 W Highway 36
St. Paul, MN 55113
651-604-4707

Team Lab
PO Box 1467
Detroit Lakes, MN 56501
218-846-9490

Van Bergen & Markson, Inc.
8814 7th Ave N
Minneapolis, MN 55427
763-546-4340

Apex Engineering Group
Fresh thinking. Practical solutions.
www.ApexEngGroup.com | info@ApexEngGroup.com

CONFERENCE HISTORY

Conference	Host City	President	President's Residence
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
1972	Williston	John Muus	Grand Forks
1971	Fargo	Donald Wenaas	Jamestown
1970	Minot	Harry Hanson	Bismarck

Conference	Host City	President	President's Residence
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

Impossible only seems impossible.

Great regions have great infrastructure.

If it solves a challenging problem that impacts the lives of people in our region, chances are good that Moore Engineering had something to do with it. We are passionate about infrastructure, and we're not happy until it works better than you ever imagined.

From highways to airports to municipalities and beyond, Moore Engineering has what it takes to accomplish big things in our region.

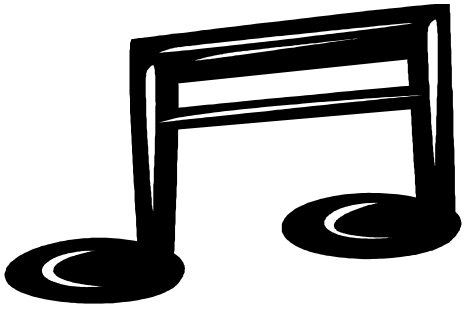
mooreengineeringinc.com

moore engineering, inc.

North Dakota
Minot
West Fargo

Minnesota
Fergus Falls
Wadena

Don’t Miss the Dixie Cups



following social hour on wednesday night.

A fun-filled women's trio from the Page-Colgate, N.D. area who have been entertaining in N.D. and Minn. for more than 20 years. They sing, "pretend" to dance and tell jokes. Their music includes country western, '50s and '60s, old-time favorites and gospel. The women are Jeanine Brown, Deb Davis and Melanie Mewes.

Industry-Leading Expertise

Ulteig’s water engineers deal with the natural resources of our environment, both in management of capacities for present needs and planning for the future of available resources. Working in the field of hydrology and hydraulics, our experts are committed to addressing concerns related to the quality of public water supplies and safety as well as the timely handling of excess water.

Visit our website for a comprehensive list of projects and additional services.

Ulteig

Engineering, Surveying,
and Consulting Services

www.ulteig.com
888-858-3441

National Representatives

2013 North Dakota Water and Pollution Control Conference

Charles F. Anderson
Immediate Past-President (2013 – 2014)
American Water Works Association

In his 40 years of employment in the public and private sector, Charlie Anderson has been involved in several aspects of the water business. In 2005 he retired from the City of Arlington, Texas after serving as assistant director and director of utilities for 31 years, and as deputy city manager from 2003–2005. Currently, Charlie works for CDM Smith, Inc. in its Fort Worth, Texas office as a management consultant.

Anderson joined AWWA in 1972, has served concurrently as the Texas Section Director and AWWA Vice President. He has served AWWA nationally as a member of the Coagulation-Filtration, Landmarks Award, Management Development Committees, and as the AWWA Management Division Chair. He has served the Texas Section as chair, chair-elect, vice-chair, past-chair, management division chair and trustee. Charlie was appointed by AWWA President Mike Leonard to chair the Ad Hoc Committee on Affiliation Agreements. To this position he brought his long experience as a manager and negotiator to balance the interest of AWWA and the sections, and to help forge the future of AWWA.

Charlie is a life member of AWWA and recipient of the George Warren Fuller Award. He has received numerous awards from the Texas Water Utilities Association of which he is a member. He is also a member of the Water Environment Federation, Water Environment Association of Texas, and the American Chemical Society.

Charlie graduated from Texas Wesleyan University with a BA in Chemistry and lives in Arlington Texas with his wife Cindy. He enjoys spending time with his two daughters, their husbands and seven grandchildren

Rick Warner
Treasurer (2012 – 2013)
Water Environment Federation

Rick Warner, P.E. is the 2012-2013 Treasurer of the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, Va.

Rick spent this past year as a member of the WEF Board of Trustees. In addition, he is a senior engineer for the Washoe County Department of Water Resources. In that role he is responsible for the overall planning, design, and construction for regional drinking water, wastewater, and recycled water projects. He is also active on projects relating to strategic planning and utility consolidation initiatives. Previously at the Department of Water Resources, Rick managed the engineering and planning division. Prior to that, he was a chemist/field technician for the Truckee Meadows Water Reclamation Facility in Reno, Nev. He also served as a water treatment design course lecturer at the University of Nevada Civil Engineering Department.

A WEF member since 1995, Rick has held multiple leadership and committee roles within WEF. He served on the House of Delegates for three years and is a member of the Utility Management Committee and Reuse Committee. He served on the House of Delegates' Steering Committee for two successive years. Also an active member of the Nevada Water Environment Association (NWEA), Rick served two times on the NWEA Board and as president from 2001-2002. His other professional affiliations include the American Society of Civil Engineers and the American Water Works Association.

Rick received the Arthur Sidney Bedell Award for extraordinary service to his member association and was inducted into the Select Society of Sanitary Sludge Shovelers in 2002.

Rick is a registered professional engineer in the state of Nevada. He received a B.S. and an M.S. in Civil Engineering from the University of Nevada (Reno).

You need a specialized water solution. We have very specialized water engineers.

When you need a water engineering solution, you need Ackerman-Estvold. Our engineers are experts in their specialty, giving your project the very best thinking. That expertise allows us to design the right solution for water distribution, water & waste water treatment, sanitary sewer, and storm sewer systems.

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

ACKERMAN ESTVOLD

701.837.8737
www.ackerman-estvold.com

Minot, ND | Williston, ND

LinkedIn

City of Grand Forks Wastewater Treatment Facility

by: The Grand Forks Public Works Department

The City of Grand Forks Wastewater Treatment Facility (GFWWTF) consists of a 10 million gallon per day (MGD) mechanical treatment plant, 1356 acres of facultative/polishing lagoons, and a Certified Environmental Laboratory. Currently, the GFWWTF treats approximately 5 MGD of domestic wastewater and approximately 2 MGD of industrial wastewater. The Grand Forks Wastewater Laboratory performs wastewater compliance testing for both internal (Grand Forks) and external (outside Grand Forks) customers.

The GFWWTF is staffed ten hours per day Monday through Friday. Staff consists of one manager, two lead workers-Class IV, one senior serviceworker-Class III, one lab analyst, and one industrial pre-treatment specialist. The Wastewater treatment facility is funded through the Wastewater Enterprise Fund.

Lagoon and Wastewater Treatment Plant

City of Grand Forks Wastewater and Stormwater Collections

Wastewater Collections is responsible for the wastewater collection system comprised of 176 miles of gravity mains, 43 wastewater pump stations, and 53 miles of forcemain that deliver wastewater to the wastewater treatment facility.

Industrial Park Southwest Pond

Stormwater Collections is responsible for the stormwater collection system comprised of 198 miles of gravity mains and 12 stormwater lift stations that deliver stormwater runoff to the river via several stormwater collection ponds and river outfalls throughout the city.

English Coulee (Largest Pump Station)

In addition, the City Flood Protection Program maintenance responsibilities are carried out by Wastewater and Stormwater Collections personnel. This system is made up of 12 pump stations and a series of gates, levees and floodwalls. Overall, Wastewater and Stormwater Collections assets include 67 pump stations, 427 miles of underground wastewater lines and force mains. The department is staffed Monday through Friday from 7:30 am to 4:00 pm. Staff consists of one superintendent, seven lead workers - Class IV, three senior serviceworker-Class III, and two serviceworkers. The department maintains a fleet of pickup trucks, sewer jetter/vactor trucks, and miscellaneous equipment. Wastewater and Stormwater Collections are funded through the Wastewater and Stormwater Enterprise Fund respectively.

Belmont Road Sanitary and Flood Stations

City of Grand Forks Water Treatment and Distribution Summary

The Water Utility is made up of three divisions: Treatment, Distribution and Laboratory. Waterworks assets include a 16.5 MGD surface water treatment facility which went into service in 1956, with additional capacity added in 1968 and 1984. A raw water intake was constructed and put on line in 2005. A 7-million-gallon clearwell was constructed and put on line in 2003. In addition, the City's finished water storage includes a 7-million-gallon buried storage reservoir built in 1976 and six, 500,000 gallon overhead towers, ranging in age from 1956 to 2001. Water is supplied through approximately 338 miles of water main, 5000 valves, 2600 hydrants, and 15,000 installed meters. Grand Forks Water Utility also supplies water to the Grand Forks Airport and Grand Forks Air Force Base. Water treatment residuals are pumped to and stored in three residuals lagoons west of the city.

Raw Water Intake Facility

The Water Utility Treatment staff is responsible for the treatment of surface water from the Red and Red Lake Rivers. Treatment consists of pretreatment coagulation, lime/soda ash softening, chlorine-chloramine disinfection, filtration and fluoridation. Water produced by the utility meets all state and federal regulatory requirements for safe drinking water. Water Treatment staff consists of a supervisor, seven lead operators-Class IV, one senior operators-Class III, and four operators-Class I or II. The facility is staffed 24/7 and serves as the after-hours point of contact for public works. Operators preform plant maintenance, instrument calibration, pilot study support and process control water testing.

Water Treatment Plant

Water Distribution staff maintain the water distribution system, reading meters and monitoring water use throughout the distribution system. Other duties include leak repair, project monitoring, meter repair and testing, shut-offs, and maintenance of valves and hydrants. Distribution staff consists of a supervisor, three lead serviceworkers-Class IV, two senior serviceworkers-Class III and four serviceworkers-Class I and II. At this time the utility has completed pilot testing on several advanced treatment technologies in preparation for design and construction of a new regional water treatment facility. Treatment technologies piloted to date include ozone, advanced oxidation processes, ozone enhanced biological filtration, granular activated carbon (GAC) contactors, pretreatment Meurer Research Institute (MRI) plate settlers, and both low and high pressure membranes. A final decision on treatment technologies will be made later in 2013. The timeline for completion of this project is anticipated to be 2020.

Clearwell and Future Site of Water Treatment Center

The Environmental Lab has one senior analyst who is responsible for distribution sampling for microbial contaminants, WTP process control checks, and analysis for outside customer groups. The lab is certified for a limited number of drinking water regulatory parameters.

The Water Treatment and Distribution Divisions along with the Environmental Lab are funded through the Waterworks Enterprise Fund.

Smiley the Water Tower

A Stormwater Feature at Choice Health & Fitness

Choice Health & Fitness began as a dream when several Grand Forks residents dared to IMAGINE building greater health and well-being for their community. Passion and dedication resulted in the largest local grass-roots undertaking to raise dollars to support community health and wellness. Because of this, you may not only imagine but experience Choice Health & Fitness, which opened officially September 2012.

A 169,000-square-foot facility, Choice boasts spaces for all ages and stages. From low impact walks against a water current, to state-of-the-art adaptable fitness equipment, to the beat bopping Kids Zone; Choice truly has it all, and then some! Unique? Absolutely! Choice Health & Fitness is the only facility within the United States to house federally mandated obesity research through the USDA Human Nutrition Research Center. Choice and Altru Family YMCA are the only known examples of a park district partnering with a YMCA to provide one seamless health and fitness membership - two fabulous facilities for one low affordable cost.

Kayaking with Choice Health & Fitness

Integrating sports, fitness, arts, medical, recreation and research - for all ages and stages of life and fitness; Choice is your one-stop-shop for greater personal and community health and happiness.
Featured in the photo is the stormwater detention area that was designed with the facility to collect the site's stormwater runoff. It was incorporated into the facility's plan to offer recreational uses such as canoeing and kayaking.

Municipal Services

- Wastewater Systems
- Water Systems
- Streets and Storm Sewers
- Wetland Delineation/Mitigation
- Solid Waste/Landfills
- Site Grading and Drainage Plans
- Flood Control
- Groundwater Studies
- Airport Improvements

WIDSETH SMITH NOLTING

WidsethSmithNolting.com

Engineering | Architecture | Surveying | Environmental

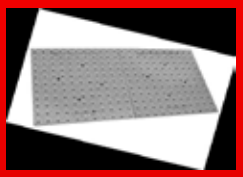
Alexandria | Baxter | Bemidji | Crookston | East Grand Forks | Grand Forks | Red Wing | Rochester

ESS BROTHERS & SONS, INC.
SERVING 6 GENERATIONS

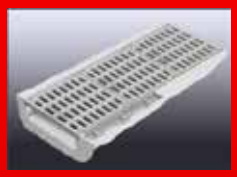
Manhole Castings

Catch Basin Castings

Truncated Domes

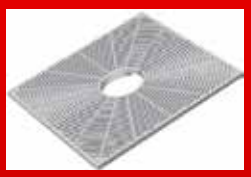


Trench Grating

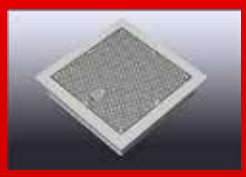


Paving Rings

Tree Grating



Access Hatches



Fabricaton Products

Saw Blades

Infra Safe DCD

Sediment Collection Plates

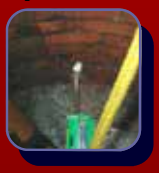
CALL TODAY FOR THE ONE STOP SHOP ON ALL YOUR CONSTRUCTION NEEDS, GREAT CUSTOMER SERVICE AND WE DELIVER TOO!

MANHOLE INFILTRATION SOLUTIONS

Manhole Insert

Flex-Seal

Aqua Seal



Gator Wrap

Infi-Shield

ESS BROTHERS & SONS, INC. SINCE 1867

Ess Brothers & Sons, Inc.— Construction Specialists for 145 Years!

9350 County Road 19 ♦ Loretto, MN 55357 ♦ 763-478-2027 ♦ www.essbrothers.com

NEW Stage 2 Disinfectants and Disinfection By-Products Rule (Stage 2 D/DBPR) Summary Form

by Lydia Fewless and Barrett Brown, North Dakota Department of Health, Municipal Facilities

The Drinking Water Program (DWP) would like to announce the release of the new Stage 2 Disinfectants and Disinfection By-Products Rule (Stage 2 D/DBPR) Summary Form. This form has been updated to address regulatory changes and to improve data entry efficiencies for both water systems as well and DWP. The old Stage 1 form should not be used after the July – September 2013 quarter. **Water systems are encouraged to report Stage 2 D/DBPR Maximum Residual Disinfectant Level (MRDL) data via the Electronic Reporting Information System (ERIS) or on the new Stage 2 D/DBPR Summary Form for the October – December 2013 quarter.**

To coincide with full implementation of the Stage 2 D/DBPR, the DWP is replacing the existing Disinfectants and Disinfection By-Products Rule (DBPR) Summary Form with a new version that has been designed for Stage 2. The original form, SFN 54271, is being replaced with SFN 60320, dated 8-2013. As with the original form, the new form will allow you to report MRDL, Total Trihalomethane (TTHM), Haloacetic Acid (HAA5), and Total Organic Carbon (TOC) data. A major reason to update the form is the change in how TTHM/HAA5 compliance is determined. Stage 1 DBPR used a system-wide running annual average; whereas under Stage 2 D/DBPR, compliance is determined by using a site-specific Locational Running Annual Average (LRAA).

The purpose of this article is to alert public water systems that a new STAGE 2 D/DBPR SUMMARY FORM is available.

Since the form was being modified and the DWP is continuing to look for ways to become more efficient, the DWP felt it prudent to make some additional modifications to the form benefitting both the water systems as well as the DWP. The improvements will allow for easier and faster data entry for the systems and the DWP. The new form is still a fillable pdf (a form that can be filled out using Adobe Acrobat Reader which is free) just like the Stage 1 form; however, the new form has been encoded with a barcode. The advantage of the barcode to the DWP is that, when the form is received, the DWP can scan the barcode and the data will be automatically read and entered into the data system. DWP staff will not have to manually enter the data, and since the data is typed, handwriting will not be an issue. This will allow for more resources to be devoted to technical assistance versus data entry.

It is very important to note that the improvements to the form will only be fully realized if the form is filled out electronically. There will be no benefits for hand-written submissions.

Other highlights of the form are:

- The form automatically calculates quarterly averages for MRDLs and TOC.
- When four quarters of data are entered, the form automatically calculates Running Annual Averages for MRDLs and removal ratios for TOC.
- The form automatically calculates the LRAAs for TTHM and HAA5.
- The form automatically determines if Running Annual Averages for MRDLs, TOC Removal Ratios, and LRAAs for TTHMs and HAA5s are compliant.
- The form automatically calculates the Operation Evaluation Level (OEL) for TTHM and HAA5 per site to determine if an OEL needs to be conducted.

- The form has a button that will quickly prepare the form for entry of the new quarter, preventing the need to re-enter all previous data, potentially a significant time savings for water systems.

As a reminder, there are multiple methods of reporting the DBPR data to the DWP:

- Submit electronically via the Electronic Reporting Information System (ERIS), the most preferred method. ERIS was previously described in the Official Bulletin, Volume 98, October- December 2012 issue available on the North Dakota Department of Health website at http:/www.ndhealth.gov/mf.
- Electronically fill out the new DBPR Summary form, print completed form and submit via postal mail or fax.
- Manually fill out the new DBPR Summary form and submit via postal mail or fax. This is strongly discouraged due to inherent inefficiencies of manual data processing for both the individual entering the data and the DWP staff processing the data.

The new form will be available on the North Dakota Department of Health website at http:/www.ndhealth.gov/mf. For questions regarding the use of the form, contact Lydia Fewless at lfewless@nd.gov or 701.328.5221. For questions regarding the use of ERIS, contact Barrett Brown at bjbrown@nd.gov or 701.328.5209.

INTERSTATE ENGINEERING
ENGINEERING • SURVEYING • PLANNING

Water Resource Engineering
Solid Waste
Municipal Engineering
Environmental Engineering
Land & Oilfield Surveying
Water Systems Engineering
Transportation Engineering
Site Design
GIS
Structural Engineering

Professionals you need, people you trust.

North Dakota | Minnesota | Montana | South Dakota
www.interstateeng.com

ND SEWAGE PUMP & LIFT STATION SERVICE CO INC

NDSP

WE SPECIALIZE IN ANNUAL SERVICE CONTRACTS

SERVICE AND MAINTENANCE OF ALL MAKES OF LIFT STATIONS

24 HOUR REPAIR SERVICE

*New for 2012: Full line of Dewatering Pumps

WE SELL

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

abs

GOULDS PUMPS

North Dakota Sewage Pump & Lift Station Service Company
1740 E Main Ave • West Fargo, ND 58078
701-282-6760 • 800-832-7055 • Fax 701-282-3579

City of Grand Forks Sanitation Department

by Grand Forks Public Works Department

Waste management in Grand Forks has seen significant changes over the past fifteen years to provide better service to residents of the community, increase the life of its landfill and ultimately save consumers money.

Trash day in Grand Forks

The first change was the switch from manual trash collection to an automated pick-up system. In 1999, the City of Grand Forks began supplying residents with 90-gallon trash cans that could be wheeled to the curb or alley – and picked up, emptied and dropped off by a robotic arm on newly fitted sanitation trucks. The new system wasn't automatically embraced by everyone, but over time residents have come to appreciate the benefits offered including less wind-blown trash, quieter equipment operation, and a more uniform look for neighborhoods.

City leaders have also been supportive of recycling programs within the city. Curbside recycling was first brought to Grand Forks in 1990. Residents were given three plastic stackable bins to sort their recyclables into glass, cans and plastic. Participation has grown steadily over the years, especially when single stream recycling (no sorting) was introduced in 2003. Residents were also given the option to use containers of their choice for recyclable materials, in addition to the 18-gallon plastic crates.

Participating in curbside recycling program

In an effort to continue to improve the current recycling system, a plan to provide new 90-gallon recycling containers – complete with lids – is scheduled to go into effect in late 2013. This new program would give residents larger, wheeled containers to more conveniently dispose of their recyclables. The new 90-gallon recycling container will allow most residents to increase the amount they recycle, reduce the amount they send to the landfill, and keep their monthly utility costs from increasing.

A new regional solid waste landfill was opened in 2009. This landfill provides waste disposal services for many surrounding communities and a revenue source for the City of Grand Forks.

And for 2014, a new Pay-as-You Throw program is being considered. Residents would be billed according to the amount of trash they generate. The more you throw away, the more it would cost you. Hopefully, the plan would encourage residents to do more recycling, protect our environment, and give the current landfill a longer life.

The following is a concise summary of the activities of the Sanitation Division in Grand Forks.

Interdepartmental Coordination/Cooperation

- Education and enforcement of the City's sanitation ordinances, providing for properly contained and separation of yard waste, municipal solid waste, recycling, construction and demolition, and other types of special waste.
- The Sanitation Division works in cooperation with the Public Health Department, the Planning Department, and the Building/Zoning Administrator.

Facilities

- Closed Municipal Soild Waste (MSW) Landfill SW-069, financial assurance and ongoing management
- MSW Landfill SW-0347
- Inert Landfill IT-202
- MSW Baling/Bagging/Transfer and Scale Facility
- Public Works Facility – Sanitation Collections Area – Residential and Commercial MSW, Special Collections Operations

Waste Reduction/Seasonal Collection Programs/Events

- Bi-Weekly curbside single stream recycling for 12,145 single family and 4,464 multi-family participating residences. Public Works oversees the recycling contract that includes recycling collection, transfer, processing and marketing of single-stream recycling materials.
- Four (4) recycling drop sites.
- Special collections by request and for a fee encourages proper waste separation for diversion and recycling.
- Yard waste curbside collection (May 1 – Sept 30)
- Curbside vacuum leaf collection and yard waste (leaf) drop sites (October)
- Curbside brush/branch chipping & collection for a fee
- Three (3) brush/branches drop sites (April 15– November 15)
- Nine (9) yard waste drop sites (April 15 – November 15)
- Waste oil, car/truck battery, propane tank drop-site
- Seasonal Christmas tree collection
- Annual electronics recycling event at the Public Works facility the Saturday prior to Clean Up Week, which is scheduled for the first full week of May each year.

Grand Forks residents participate in the annual electronic recycling day

Waste Reduction –Regional Commercial and Residential Self-Haul Options

The City's Landfill Scale, Baling/Bagging Transfer Facility, Inert Landfill, and MSW Landfill are open daily and on Saturday mornings, including a convenience separation/disposal area for household quantities of disposal materials.

Sanitation Collections, Baling, Bagging, Landfill Operations

The Sanitation Division provides for automated side load residential and front load/side load commercial MSW refuse collection for 12,145 single family residences, 9,680 multi-family residential units, and 881 commercial customers. The municipal solid waste is collected, baled, bagged, and placed in the MSW Landfill (Balefill) Permit SW-0347.

Landfill bales in preparation for cover

Off-loading landfill bales

Regulatory Requirements

The North Dakota Department of Health (NDDH) Waste Management Division inspects and provides regulatory oversight for the City's three landfills and the City as a permitted hauler of solid waste under a total of four permits. An annual report is due each year in March for the previous year's activities, including information related to all components of the Sanitation Division's integrated waste management activities. Data includes, but is not limited to, quantities managed, disposal location, waste management planning, permits and inspection reports. To provide comprehensive management perspective, the Sanitation Division employs the use of consultants' services for various major projects as well as for non-routine activities and projects as approved by City Council.

The City provides for routine on-site inspection reports, tracks landfill management activities in a database, and provides data and information for proper management and planning related to financial assurance mechanisms and operational asset management for sustainabilities and fiscal responsibility.

The City provides landfill services for the City of Grand Forks and surrounding region as a result of Subtitle D regulations and the subsequent closure of smaller, municipally owned landfills.

The City Sanitation staff is trained via SWANA Manager of Landfill Operations course for upper management, as well as the required NDDH landfill operator courses to provide certified operators on site, These operators apply their knowledge of regulatory issues, rules, and appropriate operations techniques as approved by, and in conjunction with, the City of Grand Forks and NDDH Waste Management Division policies, rules, and regulations.

Sanitation Planning – Current and Future Projects

- New Grand Forks Regional Solid Waste Landfill in 2009
- Landfill Gas Utilization and Landfill Bioreactor Development Feasibility Study 2009-2010
- Grand Forks Solid Waste Landfill Final Closure Project 2011-12
- Special/Industrial Waste Disposal Modification SW-0347 2010-11
- Baling Facility Baler and Associated Equipment Replacement Project 2012-13
- Recycling Services Service/Safety Committee Task Force Review/Side Load Curbside Recycling Collection Updated Pay-As-You-Throw (PAYT) (implementation 2012-14.)
- Asset Management Pilot Program 2013-14
- Solid Waste Landfill Permit Renewal/Sanitation Cost of Service Study 2013-14
- Sanitation Collections, Baling, Landfill Scale, and Associated Facilities Master Capital Improvement Plan Project(s) 2014-15
- Bio-solids master planning in conjunction with wastewater treatment 2012-15

Grand Forks Public Works

AE2S
Think Big. Go Beyond.

WATER ENGINEERING
MUNICIPAL ENGINEERING
LAND DEVELOPMENT
SURVEY/MAPPING/GIS
FINANCIAL/ASSET MANAGEMENT
INSTRUMENTATION & CONTROL
ELECTRICAL ENGINEERING

www.ae2s.com

TEAM LAB
"INNOVATIVE SOLUTIONS"
SINCE 1977

Solving your everyday wastewater problems with "INNOVATIVE SOLUTIONS"!

Do you have:
Grease Problems? Sludge Buildup?
High BODs - High TSS?
Aquatic Weeds? Algae Growth?

TEAM LABORATORY CHEMICAL CORP.
Phone: 800-522-8326 • Web: www.teamlab.net • Email: sales@teamlab.net

KLJ

kljeng.com

KLJ is committed to improving the health, safety and welfare of our communities.

NATIONAL PERSPECTIVE. REGIONAL EXPERTISE. TRUSTED ADVISOR.

Engineering America

Case Study

Do Oil and Water Mix?

They Do in the Bakken Fields of North Dakota!

Installed: 2011
Tank Type: Aquastore® Glass-Fused-to-Steel
Storage Capacity: 540,000 Gallons
Engineer: American Engineering Inc.
Contractors: Engineering America

We've all heard it: Oil and water don't mix. Frankly, they do not! But deep in North Dakota oil country they're changing that concept!

While oil and water still physically do not mix well, the NEED for water and water storage in North Dakota's oil country has seen the Aquastore glass-fused-to-steel water storage tank become the premier "mixologist" in the region. A case in point is the city of Tioga, ND, located on top of the Bakken oil shale in northeast North Dakota. The city of Tioga's demand for water soared significantly higher due to increased population and the water needs of the oil industry. Their solution? Aquastore glass-fused-to-steel!

The team of American Engineering Inc. of Williston, ND, and Engineering America provided a fast-tracked project for the city of Tioga in order to fulfill the new higher water demands of the region. Bids were received in late May 2011 and contracts awarded in June 2011 with a project completion date of October 31, 2011. With experienced project management and construction crews, Engineering America completed the 31' x 98', 540,000-gallon Aquastore glass-fused-to-steel standpipe ahead of time and on budget!

O.K., maybe oil and water do not physically mix but, for the cities hovering over the Bakken oil shale faced with overwhelming water demand, the solution is Aquastore glass-fused-to-steel tanks – the highest quality product that NEVER needs to be painted and is delivered in the FASTEST construction time frame!

Glass-Fused-to-Steel • Epoxy • Galvanized Stainless • Aluminum • Carbon Steel • Roof Systems

THINK TANK • *think process*

647 Hale Ave. N, Oakdale, MN 55128 • Ph: 651-777-4041 • Fax: 651-777-5312 • www.engamerica.com

JOINT MEETINGS OF THE

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE
85TH ANNUAL CONFERENCE

NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION
54TH ANNUAL CONFERENCE

NORTH DAKOTA CHAPTER OF THE NORTH AMERICAN STORMWATER AND EROSION CONTROL ASSOCIATION
1ST ANNUAL CONFERENCE

NORTH DAKOTA CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION
58TH ANNUAL CONFERENCE

NORTH DAKOTA SECTION OF THE AMERICAN WATER WORKS ASSOCIATION
23RD ANNUAL CONFERENCE

OCTOBER 22, 23, AND 24, 2013
GRAND FORKS, NORTH DAKOTA
ALERUS CENTER
1200 42ND ST. S.
701-792-1200

OFFICERS

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

Bill Gefroh, President……...Bismarck
Dean Sletten, President-Elect……Moorhead
Mike Brisben, Secretary-Treasurer……Bismarck
Dan Jonasson, Vice President……...Minot
Seth Lynne, Director...……....Fargo
Joe Ferguson, Director...……Grand Forks
Terry Eslinger, Director...……West Fargo
Mike Berg, Director……Bismarck
Jeff Reiser, Associate Director……Bismarck
Karla Olson, Past President……..Fargo

NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION

Wei Lin, President ……Fargo
Jessica Wagner, President-Elect ……Fargo
Karl Rockeman, Vice President ……Bismarck
Bill Gefroh, Secretary-Treasurer ……Bismarck
Bill Gefroh, Delegate ……Bismarck
Karla Olson, Incoming Delegate ……Fargo
Wayne Offerdahl, PWOD Representative ……Fargo
Don Tucker, Past President ……Grand Forks

NORTH DAKOTA CHAPTER OF THE NORTH AMERICAN STORMWATER AND EROSION CONTROL ASSOCIATION

Colleen Peterson, President ……Bismarck
Jeff Hruby, Vice President ……Bismarck
Melanie Parvey, Secretary ……..Grand Forks
Reed Schwartzkopf, Treasurer ……Jamestown
Matthew Sperry, Board Member ……Bismarck

NORTH DAKOTA CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION

Chad Zander, President ……..West Fargo
Terry Boehm, Vice President ……...Bismarck
Lance Meyer, Secretary-Treasurer ……..Minot
Chuck Abel, Executive Secretary ……..Bismarck
Lance Meyer, Delegate ……Minot
Rick Gillund, Director ……Enderlin
Jeff Heintz, Director ……Bismarck
Walt Smith, Director ……Dickinson
Dustin Scott, Director ……..West Fargo
Dan Jonasson, Past President ……Minot

NORTH DAKOTA SECTION OF THE AMERICAN WATER WORKS ASSOCIATION

Eric Volk, Chair……Anamoose
Jason Sorenson, Chair-Elect……..Minot
Larry Thelen, Director……Bismarck
Dennis Larson, Trustee…..……Park River
Nancy Huether, Trustee……Bismarck
Meredith Quinn, Trustee……..……...Grand Forks
Wade Hesch, Trustee ……Valley City
David Bruschwein, Secretary-Treasurer...……Bismarck
Greg Wavra, Assistant Secretary-Treasurer ……Bismarck
Tim Paustian, Past Chair ……..Fargo

2013 MEETING SCHEDULE

Monday

8:00 a.m. - 4:00 p.m.	**Preconference Workshop** Disaster Management Grand Forks Public Works Facility 724 N 4th St.
2:00 p.m. - 4:00 p.m.	**Grand Forks Utility Tours**
5:00 p.m.	**Preconference Meeting** North Dakota Section of the American Water Works Association (NDAWWA) Oriole Room

Tuesday

7:30 a.m. - 11:30 a.m.	**Water and Wastewater Operator Certification Examinations** North Dakota Department of Health Ambassador C Room, Canad Inn
7:30 a.m.	**Officers Meeting** NDAWWA Oriole Room
8:00 a.m.	**Officers Meeting** North Dakota Chapter of the American Public Works Association (NDCAPWA) Robin Room
8:00 a.m.	**Officers Meeting** North Dakota Water Environment Association (NDWEA) Morning Dove Room
8:00 a.m.	**Officers Meeting** North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA-ND) Pheasant Room
9:00 a.m. - 11:00 a.m.	Grand Forks Utility Tours
9:30 a.m.	**Officers Meeting** Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC), NDCAPWA, NDWEA, NDAWWA, NASECA-ND Oriole Room
10:30 a.m.	**AWWA Committee Meetings** NDAWWA Oriole Room
9:00 a.m. - 11:00 a.m.	pH Certification Finch Room
11:30 a.m.	**Business Meeting** NDCAPWA Aurora Ballroom

1:30 p.m. - 4:30 p.m.	**Concurrent Sessions** Bluebird/Finch Rooms Pheasant Room Hawk Room Mobile Workshop

Wednesday

9:00 a.m.	**North Dakota Operator Certification Advisory Committee Meeting** Morning Dove Room
12:00 noon	**Business Meeting** NDAWWA Aurora Ballroom
1:30 p.m. - 4:30 p.m.	**Concurrent Sessions** Bluebird/Finch Rooms Pheasant Room Hawk Room Mobile Workshop

Thursday

7:30 a.m.	**Annual Public Works Directors and City Engineers Meeting** Morning Dove Room
8:00 a.m. - 11:30 a.m.	**Concurrent Sessions** Bluebird/Finch Rooms Pheasant Room Hawk Room
12:00 noon	**Business Meetings** NDWEA and NDWPCC Aurora Ballroom
2:00 p.m. - 4:00 p.m.	**Grand Forks Utility Tours**

FUTURE CONFERENCES

2014 - Fargo, October 14, 15, and 16, Holiday Inn

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

2016 - Minot, October 11, 12, and 13, Grand International Inn

FERGUSON® Waterworks

Bismarck, ND
1201 Airport Road
701-258-9700
800-932-8759

Fargo, ND
1917 1st Ave N
701-293-5511
800-437-4362

www.nwws.biz

With GROWTH comes RESPONSIBILITY.

Being part of the North Dakota Business Community means being responsible to YOU.

SEH

800.325.2055 | sehinc.com

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 22, 23, and 24, 2013, Alerus Center, Grand Forks, North Dakota (701) 792-1200

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* ($170.00) ☐ Late Package** ($190.00)

☐ Individual ($60.00) ☐ Student ($10.00)

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

**Late Package Registration Deadline October 4, 2013

C. INDIVIDUAL MEAL FEES (Included in Package Registration)

Tues. Luncheon ($17.00) _____

Tues. Buffet ($21.00) _____

Wed. Buffet Breakfast (Free) _____

Wed. Luncheon ($18.00) _____

Wed. Evening Banquet ($35.00) _____

Thurs. Luncheon ($19.00) _____

D. GUEST REGISTRATION

First Name _____

Last Name _____

Tues. Luncheon ($17.00) _____

Tues. Buffet ($21.00) _____

Wed. Buffet Breakfast (Free) _____

Wed. Luncheon ($18.00) _____

Wed. Evening Banquet ($35.00) _____

Thurs. Luncheon ($19.00) _____

E. WORKSHOPS

Preconference Workshop

Mon. Disaster Mgmt. ($25.00) _____
(Lunch Included)

Mobile Workshops

Tues. Membrane Treatment ($10.00) _____

Wed. Public Works ($10.00) _____

F. TOTAL PAYMENT DUE:

_____

Please bill us _____

Pay by credit card _____

Our check is enclosed _____

MAKE CHECKS PAYABLE TO:

ND Water & Pollution Control Conference or NDWPCC

G. 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?

H. GF Public Facilities Tours (Please indicate attendance)

Yes	No		
		Monday 2:00-4:00 p.m.	
☐	☐	WTP	503 S 4th St.
☐	☐	WWTP	3251 N 69th St.
		Tuesday 9:00 – 11:00 a.m.	
☐	☐	WTP	503 S 4th St.
☐	☐	WWTP	3251 N 69th St.
		Thursday 2:00-4:00 p.m.	
☐	☐	WTP	503 S 4th St.
☐	☐	WWTP	3251 N 69th St.

I. FOR CONFERENCE USE ONLY

Cash _____

Check _____

Charge _____

Pay Pal _____

Date _____

Amount $ _____

Invoice # _____

☐ Paid ☐ Entered ☐ Conference Database

Electronic registration is available at the Municipal Facilities website at http://www.ndhealth.gov/mf/ndwpcc.html.

TUESDAY, OCTOBER 22, 2013

AFTERNOON CONCURRENT SESSIONS

11:30 a.m.
Luncheon and Business Meeting, NDCAPWA
Aurora Ballroom
President: Chad Zander, Presiding
Guest Speaker:
1:30 p.m. - 5:00 p.m. Membrane Mobile Workshop

Welcome: Grand Forks Mayor Michael Brown
NDCAPWA President: Chad Zander

Session A

Blue Bird and Finch Rooms
Moderator: Dan Steppan, EERC

1:30 p.m. Title:	"GFWTP Pretreatment/Membrane Pilot Study"
Speaker:	Matt Erickson, Graduate Student Civil/Engineering, UND
2:00 p.m. Title:	"Challenges in Water Supply and Wastewater Management in Developing Countries"
Speakers:	Gabriel Aher, Arjun Thapa, Berdakh Utemuratov, and Wei Lin, NDSU Civil Engineering
3:00 p.m.	Break, Pre-Function Area
3:30 p.m. Title:	"Industrial Coatings in Water and Wastewater Applications"
Speakers:	Dan Zienty, Senior Design Leader, SEH and Joe Cesarek, SEH
4:00 p.m. Title:	"Recarbonation: Innovative Technology Reduces Total Cost"
Speaker:	Stephen C. Roberts, President, Blue In Green
4:30 p.m. Title:	TBD
Speaker:	
5:00 p.m.	Adjourn
6:30 - 8:30 p.m.	Aurora Ballroom NDWPCC/Student/YP Reception YP Poster Competition

Session B

Pheasant Room
Moderator: Eric Dodds, Past President, NDWEA

1:30 p.m. Title:	"Continuous Water Quality Monitoring a Valuable Tool for Water Management"
Speaker:	Joel Galloway, Associate Director, U.S. Geological Survey
2:00 p.m. Title:	"Water Quality and Wastewater Drives/Issues"
Speaker:	Dave Clark, Wastewater Market Sector Director, HDR Engineering
3:00 p.m.	Break, Pre-Function Area
3:30 p.m. Title:	"Clean, Green Nebraska: Communities Sharing Stormwater Knowledge and Resources for a Common Cause"
Speaker:	J.B. Dixon, Environmental Planner, Felsburg, Holt & Ullevig
4:00 p.m. Title:	"American Crystal Sugar Company Wastewater Treatment Improvement"
Speakers:	NDSU, WEF/TEC Design Team
4:30 p.m. Title:	"Grand Forks Regional Stormwater Development"
Speaker:	Allen Grasser, City Engineer, City of Grand Forks
5:00 p.m.	Adjourn

Session C

Hawk Room
Moderator: Dustin Scott, Director, NDCAPWA

1:30 p.m. Title:	"Grand Forks Public Works Infrastructure Overview"
Speaker:	Todd Feland, Public Works Director, City of Grand Forks
2:00 p.m. Title:	"Alternate Project Delivery to Meet Challenging Design and Construction Requirements"
Speaker:	Darin Brickman, Principal, Burns & McDonnell Engineering, Co.
3:00 p.m.	Break, Pre-Function Area
3:30 p.m. Title:	"Bismarck Flood Protection Planning"
Speaker:	Scott Schneider, Apex Engineering Group
4:00 p.m. Title:	"Effects of Biosolids/Soil Mixture at the Grand Forks Landfill"
Speaker:	Bryan Kaemingk, Graduate Student, UND
4:30 p.m. Title:	TBD
Speaker:	David Sethre, Executive Director, North Dakota Chapter, Inc. - ACPA
5:00 p.m.	Adjourn

WEDNESDAY, OCTOBER 23, 2013

AFTERNOON CONCURRENT SESSIONS

7:30 - 11:30 a.m. Tabletop Display Program,
Aurora Ballroom
8:00 a.m. - 10:00 a.m. Free Breakfast
Aurora Ballroom
1:30 p.m. – 5;00 p.m. Public Works/Greenway and Flood Protection Mobile Workshop

11:45 Luncheon and Business Meeting, NDAWWA
Aurora Ballroom
Chair: Eric Volk, Presiding
Guest Speaker: Charles Anderson, Past President, AWWA

Session A

Bluebird and Finch Rooms
Moderator: John "Fred" Goetz, City of Grand Forks

1:30 p.m. Title:	"Phased Retrofit of an On-Line Water Treatment Plant"
Speaker:	Alan Kemmet, Project Engineer, Houston Engineering, Inc.
2:30 p.m. Title:	"Evolution of the Grand Forks Water Treatment Plant"
Speaker:	Grant Slick, AE_2S
3:00 p.m.	Break, Pre-Function Area
3:30 p.m. Title:	"Managing the Design and Construction of a Water Supply Project"
Speaker:	Dan Korinek, Principal, Burns and McDonnell Engineering, Group
4:30 p.m.	Adjourn
5:30 p.m.	Social Hour: Aurora Ballroom
6:30 p.m.	Banquet: Aurora Ballroom Invocation: Meredith Quinn Master of Ceremonies: Entertainment: Dixie Cups

Session B

Pheasant Room
Moderator: Karla Olson, Past President, NDWEA

1:30 p.m. Title:	"Making the Fargo Effluent Reuse Facility Run"
Speakers:	Jeff Hoff, Wastewater Treatment Plant Operator, City of Fargo, and Wei Lin, NDSU Civil Engineering Department
2:30 p.m. Title:	"Western North Dakota Wastewater Disposal Monitoring"
Speaker:	Karl Rockeman, NDPDES Program Manager, NDDH
3:00 p.m.	Break, Pre-Function Area
3:30 p.m. Title:	"Industrial Pretreatment"
Speakers:	Panel Discussion
4:30 p.m.	Adjourn

Session C

Hawk Room
Moderator: Walt Smith, Director, NDCAPWA

1:30 p.m. Title:	"Stormwater Panel Discussion"
Speakers:	TBD
2:30 p.m. Title:	"El Zagal Sanitary and Storm Sewer Improvements"
Speaker:	Tim Paustian, Associate, Apex Engineering Group
3:00 p.m.	Break, Pre-Function Area
3:30 p.m. Title:	"Advanced Planning Techniques"
Speakers:	Kevin Martin, Principal, Houston Engineering and Roger Austin, VP/Marketing, MWH
4:30 p.m.	Adjourn

THURSDAY, OCTOBER 24, 2013

MORNING CONCURRENT SESSIONS

Session A

Bluebird and Finch Rooms
Moderator: Meredith Quinn, Trustee NDAWWA

8:00 a.m. Title:	"GIS & Asset Management"
Speaker:	Adam Jonasson, GIS Coordinator, City of Grand Forks
9:00 a.m. Title:	"West Fargo Stormwater Improvement"
Speaker:	Dustin Scott, Moore Engineering
9:30 a.m. Title:	"Electronic Operator Log Book"
Speakers:	Hazel Sletten, Superintendent Water Utility, City of Grand Forks, and John "Fred" Goetz Operations Supervisor, City of Grand Forks
10:00 a.m.	Break, Pre-Function Area
10:30 a.m. Title:	"EERC Bakken-related Research Activities"
Speaker:	John Harju, Associate Director, EERC
11:00 a.m. Title:	"Bismarck WTP Horizontal Collector Well"
Speaker:	Russ Sorenson, AE_2S
11:30 a.m.	Adjourn

Session B

Pheasant Room
Moderator: Wei Lin, President, NDWEA

8:00 a.m. Title:	"Water Reuse Panel Discussion"
Speakers:	TBD
9:00 a.m. Title:	"Wipes in the Pipes: Non-dispersables in Wastewater"
Speaker:	Tracy Ekola, Regional Leader, SEH
9:30 a.m. Title:	"Biotechnical Replacement Options for Rock Rip Rap and Other Hard Armor Systems"
Speaker:	David Keaffaber, Midwest Region Manager, Landmark Earth Solutions
10:00 a.m.	Break, Pre-Function Area
10:30 a.m. Title:	"Impact of Oilfield on Wastewater"
Speaker:	Scott Schaefer, AE_2S
11:00 a.m. Title:	"Municipal Stormwater Funding"
Speaker:	Colleen Peterson, Stormwater Coordinator, City of Bismarck
11:30 a.m.	Adjourn

Session C

Hawk Room
Moderator: David Bruschwein, Secretary - Treasurer, NDAWWA

8:00 a.m. Title :	"Dickinson Master Plan - Designing for Flexibility"
Speaker:	John Wirries, Civil Engineer, KLJ
9:00 a.m. Title:	"NDDOT's EPA Inspection Consent Agreement"
Speaker:	Matt Sperry, Stormwater Coordinator, NDDOT
9:30 a.m. Title:	"Washington Street Master Lift Station-Bismarck"
Speaker:	Mike Berg, Vice President, Apex Engineering Group
10:00 a.m.	Break, Pre-Function Area
10:30 a.m. Title:	"Reclaimed Water Supply Assessment for Jamestown's Wastewater Treatment Facility"
Speakers:	Apex Engineering Group
11:00 a.m. Title:	"Asset Management"
Speaker:	Jarred Heller, Assistant Operations Manager, AE_2S
11:30 a.m.	Adjourn

12:00 p.m. Joint Luncheon and Business Meetings, NDWEA and NDWPCC
NDWEA President: Wei Lin, and NDWPCC President: Bill Gefroh ,Presiding
Guest Speaker: Rick Warner, Treasurer, WEF

City of Grand Forks Flood Protection

by Grand Forks Public Works Department

The City of Grand Forks has a flood protection and Greenway system that includes 12 flood pump stations, five stormwater detention ponds, eight miles of levees and floodwalls, seven closure structures, 9.5 miles of English Coulee Diversion Channel, 200 acres of grass to mow, miles of new trails, two pedestrian bridges, parking lots and miscellaneous sidewalks, two boat ramps, trailhead facilities, trail and roadway signs, trash receptacles, benches, 20 acres of riparian riverbank, vegetation (tree and weed) management, rip rap areas, kiosks, flower beds and plantings along the trails, floodwalls, and near-flood pump stations.

Biking along the Greenway

The Greenway has been operated and managed with assistance from various city departments including the Public Works Department- Street Division, Wastewater/ Stormwater Division, Sanitation Division, as well as by the Office of Urban Development, Engineering Department, Police Department, Fire Department, and the Grand Forks Park District.

On December 19, 2005, the Grand Forks City Council passed a new ordinance regarding storm sewer and flood protection/greenway service charges. These fees are included as a separate item in the utility bill. For several years the, City of Grand Forks has charged a fee for storm sewer service, but it also now charges the flood protection/ greenway operation and maintenance (O/M) expenses as utility fee charges. The storm sewer and flood protection/ greenway O/M expenses are listed separately on the bill to account for the expense allocation of the two separate services.

Enjoying the Greenway in winter

The flood protection/greenway O/M expenses are for the flood protection levee and floodwalls, flood pumping stations, English Coulee Diversion Channel and associated pump station, closure and drainage structures, and greenway amenities. Previously, a significant portion of the local share of the flood protection/greenway project, including O/M, was paid for through the special assessment process.

The estimated annual cost to maintain the flood protection/greenway project is $634,995. The fees are as follows:

Stormwater standard rates (2013 = 7% increase)

Base fee residential, per month:
Stormwater $2.43
Flood protection project/Greenway $1.39
Base fee nonresidential:
Stormwater (per runoff unit) $1.06
Stormwater minimum charge (per month) $2.43
Flood protection/Greenway(per 1,000 sq. ft.) $0.13
Flood protection/Greenway minimum charge (per month) $1.39

A view of Grand Fork's flood protection

Funds raised from the flood protection/greenway service charges are used for the administration, mowing, trail maintenance, signage, boat ramp maintenance, snow removal, tree maintenance, repairs and replacement of recreational features, trash removal, minor debris clean up, parking lot and street maintenance, and other expenses associated with the operation and management of the greenway.

A favorite winter activity for young and old

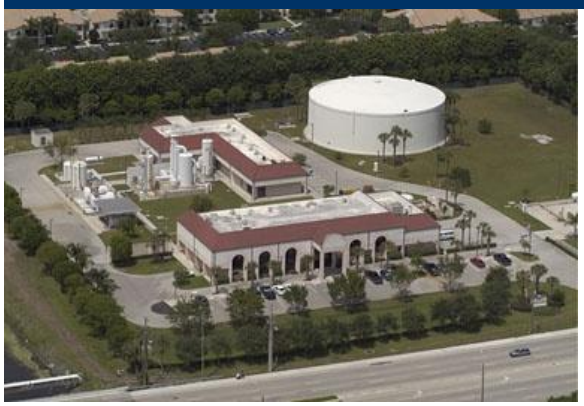
Year-round bike trails

Hosted by the **City of Grand Forks**. In conjunction with the **Department of Homeland Security** and **Texas Engineering Extension Service, Texas A&M University System.**

You are Invited to Attend

Strategic Overview of Disaster Management for Water & Wastewater-MGT342

October 21, 2013



The *Strategic Overview of Disaster Management for Water and Wastewater* brings together those personnel from within a jurisdiction who would be required to manage or react to any natural or man-made incident that could potentially affect a water or wastewater utility. This course introduces the various natural and man-made hazards to which water and wastewater systems may be vulnerable and the potential effects the hazards may induce. Participants are guided through portions of the Environmental Protection Agency's Response Protocol Toolbox to identify steps in the response and recovery

Topics to be Covered

- Effects of a natural disaster to a water or wastewater system
- Identify potential terrorism/WMD threats to water and wastewater facilities and systems
- Analyze measures to reduce vulnerability of drinking water and wastewater systems
- Determine appropriate response measures to an actual or threatened incident
- Sequence procedures required for recovery from an incident

You should attend if you are involved with:

- Directors/Departments Heads
- City/County Elected Officials, City Managers
- City/County Emergency Managers
- Senior Emergency Response Personnel
- Water and Wastewater Utility Board Members
- Water and Wastewater Utility Workers
- Senior Regulatory Officials.

Date and Time: 10-21-2013, 8 am to 4 pm
Location: 724 North 47th Street, Grand Forks
Phone: 701-787-9131/ FAX: 701-787-9133
Email: dtucker@grandforksgov.com

Contact Information
Don Tucker
PO Box 5200
Grand Forks, ND 58206

Mail Completed Registration Form to Contact listed above (Due by October 10, 2013)

Name: _____
Department/Agency: _____
Address: _____
_____
Phone #: _____
Email: _____

Seating is limited. Please register early. Registration Fee is $25 which includes lunch and beverages

THE GREENWAY

GRAND FORKS/EAST GRAND FORKS

By: Grand Forks Public Works Department

"Every cloud has a silver lining." That's a proverb used during difficult times. There was a time in the recent history of the Greater Grand Forks Community that would test the accuracy of this proverb.

The winter of 1996–97 dealt many hard blows to the Red River Valley, and especially the communities of Grand Forks, N.D. and East Grand Forks, Minn. Eight blizzards, brutally cold weather, and twice the average snowfall took its toll on the communities. A final ice storm in early April followed by warm weather created ideal conditions for disaster. Residents and volunteers fought the rising rivers with sandbags, shovels, and courage only to learn this would not be enough to stop the rising floodwaters. A record-breaking flood crest invaded nearly all of the land area of both cities and forced most residents to evacuate, leaving behind their homes, businesses, and community.

Cleaning up after a blizzard in the winter of 1996-97

The floodwaters receded, and the cleanup began immediately. Residents and city leaders focused on the crucial elements of flood recovery and prevention. Plans for a permanent flood protection system began to take shape in the coming months and years. The opportunity to create a recreational area within the floodplain was realized early in the design phase of the project. The North Dakota Congressional Delegation proposed the Greenway concept as a key element in economic and recreational development for the region. Their efforts would eventually take shape in the development of a greenway along the Red and Red Lake Rivers in the heart of Greater Grand Forks.

Aftermath of the 1997 flood

1997 Grand Forks flooding

The Greenway is a crucial piece of the flood protection project that also enhances the quality of life for residents of the Greater Grand Forks area. This 2,200-acre area features several parks, a campground, two golf courses, three disc golf courses, more than 20 miles of multipurpose trails and shore bank fishing sites. The Greenway provides a unique opportunity for year-round outdoor recreation activities in an urban setting. The banks of the Red and Red Lake Rivers were once under-utilized resources that now serve as a center of outdoor recreation in the heart of the city.

The flood of 1997 had a lasting effect on the community of Greater Grand Forks. The Greenway of Greater Grand Forks is proof that it is possible to turn something negative into something positive.

The Greenway hosting an event

A view of Grand Fork's Greenway

Serving North Dakota, in North Dakota, for 35 Years

CONTACT US FOR QUALITY ANALYTICAL AND SAMPLING SERVICES:

- ✓ Drinking Water
- ✓ Groundwater
- ✓ Surface Water
- ✓ Wastewater
- ✓ Biosolids
- ✓ Soil
- ✓ Solid Waste
- ✓ Waste Characterization
- ✓ Industrial Waste
- ✓ Priority Pollutants
- ✓ Crude and Brine Spills
- ✓ Wastewater Flow Studies
- ✓ Composite Sampling
- ✓ Rental of Flow Recorders and Sampling Equipment
- ✓ Field Sampling Services

MVTL

MVTL Laboratories, Inc.
2616 East Broadway Avenue
Bismarck, ND 58501
Phone: 800-279-6885; Phone: 701-258-9720; Fax:701-258-9724; Email: csc@mvtl.com

New Ulm, MN 800-782-3557

LJA has been engineering water solutions for 60 years, helping communities across the region with domestic, industrial, storm water, waste water, and sewer needs. LJA's civil engineers and financial advisor take pride in assisting towns of all sizes with improvements to their utility infrastructure and procuring necessary funding to get the job done. As the City Engineer of several communities, LJA has completed multiple water projects within each town. Listed are municipal services LJA is currently able to provide:

- Water Treatment Plants
- Sanitary Sewer & Water Improvements/Rehabilitation
- Treatment Ponds/Lagoons
- Wastewater Treatment Facilities
- Sanitary Sewer/Storm Water Lift Stations
- Retention/Detention Ponds
- Government Funding Program Assistance
- CWSRF/DWSRF Funding Program Assistance

Please visit LJA's website for more information.

www.lja-1.com

Fargo, ND
701-293-1350

Bismarck, ND
701-224-5006

Williston, ND
701-577-0033

REFERENCE GUIDE TO EXHIBITORS IN THE TABLETOP DISPLAY PROGRAM

OCTOBER 23, 2013
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

Cretex Dale C. Heglund
925 Basin Ave 701-223-7178
Bismarck, ND 58504 FAX 701-223-5620
dhegund@cretex.com

Precast concrete products experts, proudly serving North Dakota since 1926.

Kadrmas, Lee & Jackson, Inc. Terry Boehm
128 Soo Line Dr 701-355-8400
Bismarck, ND 58502 FAX 701-355-8781
terry.boehm@klj.com

Since 1938, KLJ has provided multidisciplinary engineering-based solutions for national, large-scale operations, with the local expertise to drive projects forward and deliver successful results. Our strong regional connections, in-depth local knowledge, responsive personal service, and industry experience create strategic advantages for all clients. 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

Team Lab Terry Maier
PO Box 1467 218-846-9490
Detroit Lakes, MN 56501 FAX 218-846-9491
terry@teamlab.net

Since 1977, Team Laboratory Chemical Corp. has responded to the needs of operators in the wastewater industry with its Team Treat™ lineup of products. The Team Treat™ program was developed as both a problem-solving and preventative maintenance program. Team Treat™ 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.

General Repair Service Jim Paulsen
3535 International Dr 701-219-3976
Vadnais Heights, MN 55110 FAX 218-233-5435
jimp@generalrepair.com

Sells, services pumps, and controls Gorman Rupp, Wilo, Grundfoss, and Peerless pumps.

Quality Flow Systems, Inc. Kevin Huson
800 6th St NW 952-758-9445
New Prague, MN 56071 FAX 952-758-9661
kevin@QFSI.net

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 have stock pumps and parts.

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 is Minnesota's largest distributor of manhole, municipal, and catch basin castings. Our fabrication and machine shops produce many specialty products such as Sure-Fit tree or trench grate frames, paving adjustment rings, overflow structures, and many more custom designed products. We also carry many products related to our castings, such as, erosion control, concrete and plastic grade rings, and casting seals. Ess Brothers and Sons strives to meet all their customers' needs and our motto is: "If we don't have a product in stock, we'll find it. And if we can't find the product, we'll make it."

Interstate Engineering, Inc. Darrell Hournbuckle
PO Box 2035 701-252-0234
Jamestown, ND 58401 FAX 701-252-0203
darrell.hournbuckle@interstateeng.com

Since 1976, Interstate Engineering, Inc. has provided consulting engineering, land surveying, and planning services to municipal, county, state, and tribal governments in addition to private individuals and corporations. As a regional corporation, Interstate Engineering is owned under an Employee Stock Ownership Plan. This instills a sense of ownership and pride in our staff and is reflected in the quality of the services we provide. Jamestown, North Dakota is home to Interstate Engineering's corporate office. Additional offices are located in Wahpeton, Beulah, and Mandan, N.D.; Fergus Falls, Minn.; Billings and Sidney, Mont.; and Pierre and Spearfish, S.D. Interstate Engineering – professionals you need, people you trust.

Ferguson Waterworks Scott Schmidt
1917 1st Ave N 701-293-5511
Fargo, ND 58102 FAX 701-232-8129
karen.olson@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 have branch offices in Fargo and Bismarck, N.D..; Blaine and Sartell, Minn.; De Kalb, Ill., and Madison, Wis. We supply products and services to the Dakotas, Minnesota, western Wisconsin, Iowa and northern Illinois.

AE_2S Charlie Vein
4050 Garden View Dr Ste 200 701-746-8087
Grand Forks, ND 58201 FAX 701-746-0370
conferences@ae2s.com

AE_2S is a specialized civil/environmental consulting engineering firm that provides professional services and our unique brand of extreme client service to clients in the Upper Midwest. AE_2S specializes in water, wastewater, water resources, rural water, civil engineering, geomatics, structural engineering, electrical engineering, instrumentation and controls, and financial services. AE_2S has offices located in Bismarck, Dickinson, Fargo, Grand Forks, Minot, Watford City, and Williston, N.D.; Eagan, Maple Grove, and Moorhead, Minn.; and Great Falls and Kalispell, Mont. For more information, visit www.ae2s.com or AE_2S Facebook.

AE_2S Nexus Shawn Gaddie
4050 Garden View Dr Ste 200 701-746-8087
Grand Forks, ND 58201 FAX 701-746-0370
conferences@ae2s.com

Utilities face a host of challenges, from capital expansion and aging infrastructure to ever changing regulations. Financial issues typically go hand-in-hand with these challenges. Since 1999, AE_2S has established itself as a regional resource for utility enterprise financial consultation beyond our reputation as strong drinking water, wastewater, and stormwater specialists. Our Financial Group is comprised of individuals dedicated to fully understanding issues such as State and Federal funding programs, project financing (bonding), utility financial health (revenue adequacy, cost of service, etc.), and asset management.

Schwab Vollhaber Lubratt (SVL) Brian Peterson
4600 Churchill St 651-415-2583
Shoreview, MN 55126 FAX 651-481-8621
guys@svl.com

We are the Danfoss representatives in Minnesota, North Dakota, and South Dakota. Danfoss is a VFD.

Construction Specialties Rocky Waldin
7100 Utica Lane 612-860-0803
Chanhassen, MN 55317 FAX 952-470-0342
rocky@minn.net

Manufacturers' representative for the Cable Concrete erosion control system, Cretex specialty products, manholes, pipe sealing products, and Terrewalks interlocking paver systems.

Prinsco Inc. Mike O'Neill
1717 16th St NE 320-222-6800
Willmar, MN 56201 FAX 320-222-6820
mikeo@prinsco.com

Badger Meter, Inc. Jim Plahn
4545 W Brown Deer Rd 414-371-6510
Milwaukee, WI 53223 FAX 414-371-5956
jplahn@badgermeter.com

Badger Meter is a leading innovator, manufacturer, and marketer of flow measurement and control products. Badger services water and gas utilities, municipalities and industrial customers worldwide. Measuring a variety of liquids from water to oil and lubricants in industrial process, products from Badger Meter are known for their high degree of accuracy, long-lasting durability, and ability to provide valuable and timely measurement

information to customers. Residential and commercial metering technology from Badger Meter is designed for optimal system performance, superior reading, billing accuracy, and maximized revenue generation. For more information, visit www.badgermeter.com.

Tech Sales Co. Abraham Salamzadeh
311 44th St W 612-823-8238
Minneapolis, MN 55409 FAX 612-823-4272
salamzadeh@techsalesco.com
Tech Sales Co. specializes in instrumentation and controls for water and wastewater operations. Products include: flow monitoring, sampling, lever pressure, gas detection, odor control, and inflow/infiltration meters.

Fischer, Harris & Associates Joe Zauner
5865 Neal Ave N Ste 335 651-274-8506
Stillwater, MN 55082 FAX 630-377-3306
joe@fischer-harris.com
Fisher, Harris & Associates is a manufacturers' representative company for the Midwest Region. They represent companies such as EBAA Iron, Smith-Blair, Eco Verde, Team Industrial Valve Insertion, Adaptor Inc., Old Castle Precast, Vent-O-Mat, RF Valves, Noreva Valves, and Drainage & Water Solutions (DWS). We also represent Engineered Fluid, Inc., which specializes in pre-fabricated water treatment and pump stations.

Moore Engineering, Inc. Mike Foertsch
925 10th Ave E 701-282-4692
West Fargo, ND 58078 FAX 701-282-4530
mfoertsch@mooreengineeringinc.com
Moore Engineering is a consulting engineering and land surveying company which for 50 years has provided municipal engineering, water resource engineering, transportation engineering, airport design and surveying services to more than 80 cities and water resource districts. Services include storm water retention and collection; water treatment, storage and distribution; wastewater treatment and collection; street and highway design; rural and urban flood control; flood plain modeling; hydraulic and hydrologic analysis; dams; airport design; land surveying and GIS services. Moore Engineering is 100 percent employee owned (ESOP) with offices in West Fargo and Minot, North Dakota, and Fergus Falls and Wadena, Minnesota.

Hawkins, Inc. Mark Hansen
2001 Great Northern Dr 701-293-9618
Fargo, ND 58102 FAX -701-293-9661
markhansen@hawkinsinc.com
Water treatment products for water and wastewater applications.

S. Roberts Company Stephen Roberts
17575 Bearpath Tr 952-949-2655
Eden Prairie, MN 55347 FAX 952-949-6808
srobertsco@comast.net
Manufacturers' representative firm lines: GE W&PT, MRI, Pinnacle Ozone, PCI, Vulcan, Landia and Schwing Bloset.

ND Rural Water Systems Association Eric Volk
2718 Gateway Ave #201 701-258-9249
Bismarck, ND 58503 FAX 701-258-5002
ericvolk@ndrw.org
North Dakota Rural Water Systems Association (NDRWSA) is a nonprofit 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 24 hours a day, seven days a week, 365 days a year.

Veit & Company, Inc. Jim Swanson
14000 Veit Place 763-428-2242
Rogers, MN 55374 FAX 763-428-1334
mcunningham@veitusa.com
Founded in 1928, Veit provides services to general contractors, municipalities, and private industry. Veit's specialty contracting services include earthwork, demolition, utilities, foundations, and industrial cleaning. Veit's waste management services include roll-off containers, recycling, transfer stations, and landfills.

Bill Hughes Home (218) 287-1138
Bus: (218) 287-1579

Hughes Lift Station Service Inc.
Complete Sewage Lift Station
Repair And Service

1809 55th Ave. N. Moorhead, MN 56560

Utility Service Co., Inc. Ryan Baum
PO Box 1350 800-223-3695
Perry, GA 31069 FAX 478-987-2991
rbaum@utilityservice.com

Utility Service Co., Inc. provides comprehensive condition assessments, rehabilitation services, and sustainable asset management solutions throughout the whole water cycle. Our comprehensive portfolio of innovative sustainable technologies and custom designed professional asset management services allow a holistic approach to optimizing water production and distribution systems.

Engineering America, Inc. Matt Fritze
647 Hale Ave N 651-777-4041
Oakdale, MN 55128 FAX 651-777-5312
mfritze@engamerica.com

Engineering America, Inc. sells and constructs equipment for municipal water and wastewater needs. Engineering America, Inc. will act as principal contractor for the erection of liquid storage tanks and as a supplier of process equipment.

EJ Iron Works Mark Garrison
3538 Rudolph Rd 715-271-9014
Eau Claire, WI FAX 231-536-4650
mark.garrison@ejco.com

EJ is the global leader in the design, manufacture, and distribution of access covers and gratings for water, sewer, and drainage networks.

Short Elliott Hendrickson, Inc. (SEH) Tracy Ekola
3535 Vadnais Center Dr 651-490-2000
St. Paul, MN 55110 FAX 651-490-2150
tekola@sehinc.com

SEH is a multi-discipline firm of engineers, architects, planners, and scientists serving public and private sector clients.

MVTL Laboratories, Inc. Jeff Reiser
2616 E Broadway Ave 701-258-9720
Bismarck, ND 58501 FAX 701-258-9724
jreiser@mvtl.com

MVTL Laboratories, Inc. was founded in New Ulm, Minn. in 1951 and expanded in North Dakota and established in Bismarck in 1977. MVTL offers a wide range of services and analytical capabilities, including organics and inorganics, environmental and energy testing, food, microbiology, soil and agricultural products. MVTL also provides field sampling services, which include groundwater monitoring, industrial and municipal flow studies and stormwater runoff. MVTL is here to serve your analytical needs.

RMB Environmental Lab., Inc. Gina Schauer
22796 County Hwy 6 218-846-1465
Detroit Lakes 56501 FAX 218-846-1465
ginas@rmbel.info

RMB Environmental Laboratories provides an array of services to environmental professionals and enthusiasts within the states of Minnesota and North Dakota. Services include analytical testing, on-site monitoring, consulting, and data management. Department of Health-certified in Minnesota and North Dakota.

Apex Engineering Group Tom Welle
4733 Amber Valley Parkway S 701-373-7980
Fargo, ND 58104 FAX 701-373-7981
tom.welle@apexenggrooup.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 of Apex 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, 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. We have offices located in Fargo and Bismarck, North Dakota and Detroit Lakes, Minnesota.

Houston Engineering, Inc. Mike Seminary
1401 21st Ave N 701-237-5065
Fargo, ND 58102 FAX 701-237-5101
mseminary@houstoneng.com

Houston Engineering, Inc. is a full service engineering firm with offices throughout the Upper Midwest. A regional leader in the industry, we continue to expand our client base across the nation and beyond. Today, as always, our focus is on our clients. We offer comprehensive evaluations and innovative solutions for your engineering challenges.

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

Established almost 35 years ago, Sanitation Products has provided municipal and industrial equipment to municipalities and contractors. These products include: sewer jetter, 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, N.D. and Sioux Falls, S.D.

Visu-Sewer, Inc. Todd Stelmacher
W230 N4855 Betker Dr 262-695-2340
Pewaukee, WI 53072 FAX 262-695-2359
tstelmacher@visu-sewer.com

Visu-Sewer is a full-service sewer inspection, maintenance, and rehabilitation contractor. We specialize in trenchless repair systems. Services include: CCTV inspection, sewer cleaning, pipe and manhole grouting, pipe lining, manhole lining and epoxy coating.

Swanston Equipment Rodney Ness
3450 W Main Ave 701-293-7325
Fargo, ND 58103 FAX 701-293-4968
sara.haugrud@swanston.com

Swanston Equipment, a family-owned business for over 75 years, deals in road construction and road maintenance equipment throughout N.D. and Minn.

Stantec Consulting Services Inc. Chip Robinson
2335 W Hwy 36 651-604-4707
St. Paul, MN 55113 FAX 651-636-1311
chip.robinson@stantec.com

Stantec provides professional consulting services in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental

sciences, project management, and project economics for infrastructure and facilities projects. We support public and private sector clients in a diverse range of markets at every stage, from the initial conceptualization and financial feasibility study to project completion and beyond. Our services are provided on projects around the world through approximately 12,000 employees operating out of more than 200 locations in North America and four locations internationally. Stantec is One Team providing Integrated Solutions.

Bartlett & West, Inc. Darin Schaeffer
3456 E Century Ave 701-258-1110
Bismarck, ND 58503 FAX 701-258-1111
darin.schaeffer@bartwest.com

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.

ABM Equipment & Supply Joe Karst
333 2nd St NE 800-229-5451
Hopkins, MN 55343 FAX 952-938-0159
scottr@abm-highway.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, asphalt patchers, combination sewer cleaners, sewer jetters, sewer televising equipment, street sweepers, knuckle boom cranes and stick boom cranes. ABM offers sales, rental, service, and field service for these industries.

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

DPC has been serving water and wastewater communities for more than 46 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. They also offer 24/7 service and have crane trucks. They represent Fairbanks Morse 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 pump stations; Healy-Ruff Control SCADA for the small community; and ITT Goulds Aquavar, VFDs and much more. Most importantly, they provide outstanding customer service. DPC will work with you to help solve your biggest challenges.
Area served: Minnesota, western Wisconsin, North Dakota and South Dakota.

Lightowler Johnson Assoc. Inc. Matthew Walsvik
700 Main Ave 701-293-1350
Fargo, ND 58103 FAX 701-293-1353
info@lja-1.com

Lightowler Johnson Associates, Inc. (LJA) is a full-service architecture and engineering firm with 60 years of experience designing water solutions. LJA is one of the few firms in the area that provide all aspects of architecture, engineering (civil, electrical, mechanical, structural), and land surveying services in-house with office locations in Fargo, Bismarck, and Williston,N.D., LJA helps communities across the region with domestic, industrial, stormwater, wastewater, and sewer needs. Our services include: water treatment plants, sanitary sewer, and water, improvements/rehabilitations of treatment ponds, lagoons, wastewater treatment facilities, sanitary sewer/stormwater lift stations, retention/detention ponds, and government funding program assistance.

Widseth Smith Nolting Lee Cariveau
2850 24th Ave S 701-795-1975
Grand Forks, ND 58201 FAX 701-795-1978
grandforks@wsn.us.com

Widseth Smith Nolting provides engineering, architecture, land surveying, environmental services, and funding assistance to public and private clients throughout the Upper Midwest. We offer expertise in water management, environmental services, roads and trails, water and wastewater systems, and bridges and buildings, while being good stewards of the environment. Widseth Smith Nolting is committed to the notion that good roads, clean water, safe bridges, and vibrant spaces are central to our quality of life. Offices are located in Grand Forks, N.D.; and Alexandria, Bemidji, Brainerd/Baxter, Crookston, East Grand Forks, Red Wing, and Rochester, Minn.

Van Bergen & Markson, Inc. Gary Metzler
8814 7th Ave N 763-546-4340
Minneapolis, MN 55427 Fax 763-546-0973
info@vbminc.com

Van Bergen & Markson has been working in the water and wastewater market since 1929, serving North Dakota, South Dakota, Minnesota, Wisconsin and Michigan with quality products from manufacturers such as Ovivo (formerly Elmco), Weir Floway, Moyno, Goulds, Enviro-Care, Hallsten, MTS, Hydro-Gate and Siemens Turblex.

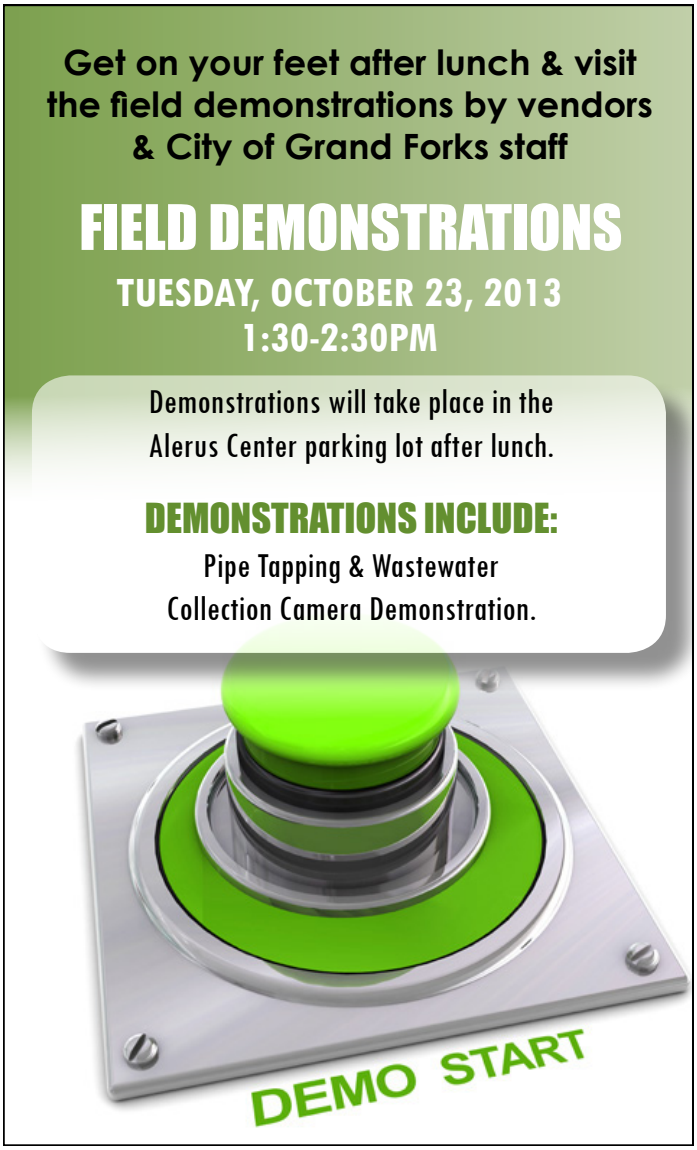
ESS BROTHERS & SONS, INC. SINCE 1867

Manhole & Catch Basin Castings,
Manhole Adjustment Rings,
Trench & Tree Grating,
Complete Metal Fabrication
Inlet Protection
I/I Prevention

www.essbrothers.com

TRENT ESS
Trent@essbrothers.com

9350 County Road 19
Corcoran/Loretto, MN 55357
Office 763-478-2027
Cell 612-309-1566
Toll Free 1-800-478-2027
Fax 763-478-8868



NDWPCC JOINT BOARD MEETING MINUTES

May 14, 2013,Mandan, North Dakota

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 North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA-ND) was held on May 14, 2013, in the Cutty Sark Room of the Seven Seas Inn, Mandan, N.D. The following board members and guests were present: Chuck Abel, Lisa Ansley, Mike Berg, Terry Boehm, Mike Brisben, Justin Feld, Joe Ferguson, Bill Gefroh, Shawn Heinle, Jeff Heintz, Jeff Hruby, Nancy Huether, Dan Jonasson, Murthy Kasi, Wei Lin, Lance Meyer, Wayne Offerdahl, Tim Paustian, Colleen Peterson, Mark Peterson, Jeff Reiser, Karl Rockeman, Terry Rust, Dean Sletten, Hazel Sletten, Jason Sorenson, Larry Thelen, Eric Volk, Jessica Wagner, and Chad Zander.

The meeting was called to order at 10:35 a.m. by NDWPCC President Bill Gefroh. Copies of the meeting agenda and NDWPCC January 1-April 30, 2013 financial report were provided.

President Gefroh called for a motion to dispense with the reading of the minutes from the January 15, 2013 joint board meeting and approve the minutes mailed to each board member. Terry Rust so moved, Dean Sletten seconded, and the motion carried.

Next, President Gefroh called for the Treasurer's financial report. Mike Brisben reported that the NDWPCC had a net loss of $21,952.44 from January 1 - April 30, 2013 and total assets as of April 30, 2013 of $97,241.52. Lisa Ansley asked Mr. Brisben the reason for the net loss. Mr. Brisben stated that payment for operator expense reimbursement and stormwater training accounted for the majority of the deficit. Jeff Heintz questioned the negative $320.00 from accounts receivable. Mr. Brisben noted that he would check into the reason for the negative and notify Mr. Heintz by email. President Gefroh asked if there was any further discussion. Hearing none, President Gefroh called a motion to accept the Treasurer's report. Dan Jonasson so moved, Wei Lin seconded, and the motion carried.

President Gefroh proceeded to old business and asked that the joint boards send their lists of topics and presenters to Mr. Brisben by June 1, 2013. Terry Rust asked if NASECA-ND would be providing topics. Colleen Peterson and Mr. Brisben indicated that stormwater topics would be included in the wastewater and public works tracks in 2013. Eric Volk noted that NDAWWA addressed topics during its earlier meeting, and President Gefroh indicated that NDWEA would also provide a final list by June 1.

Next, President Gefroh asked for an update on the Grand Forks conference format. Hazel Sletten reported that an offsite preconference disaster management session is planned for Monday, October 21, 2013 as part of Grand Forks' contribution. Facility tours Monday afternoon and Tuesday morning would also be offered. An early bird welcome for those arriving Monday is being considered. The student/young professional social/university forum and poster competition will be held in conjunction with the Tuesday evening buffet. There will be three concurrent sessions along with the mobile workshops throughout the conference. Mobile workshops will be limited to (30) people, and a $10-15 fee will be required to reserve a seat. Mobile workshops may include water and wastewater regional systems, making hockey ice, Greenway/Flood Protection, stormwater ponds, and Grafton/Grand Forks landfill/Blaer/the Grand Forks Air Force Base. Joe Ferguson noted that the shuttle costs would be $385.00 for in-town tours and $475.00 for out-of-town. Wednesday morning will be dedicated to the exhibitor program, and vendor demonstrations may be available outside Wednesday afternoon. The golf tournament will be at King's Walk with green and cart fees being $30.00 for nine or 18 holes. Post-conference tours of Grand Forks facilities, the airbase, and the UND Aerospace center may be an option Thursday afternoon. Other discussion concerning the preconference workshop covered a registration fee and presenter costs.

President Gefroh called for a report from the stormwater committee. Larry Thelen reported that the committee met twice, discussing three topics: NDWPCC bylaw changes, NASECA-ND conference and training shares, and NASECA-ND conference involvement.

Mr. Thelen noted that a draft of changes to the bylaws had been completed and would be mailed to the membership should the NDWPCC executive committee decide to do so.

Mr. Brisben read the articles and sections of the NDWPCC constitution and bylaws where stormwater and stormwater systems will be added. Mr. Thelen also noted that amendments to the constitution and bylaws may be proposed by the executive committee or by petition to the committee by 10 or more active members. Upon instructions by the executive committee, the secretary shall mail notices and the text of the proposed changes to each member at least (30) days before being voted on at the annual meeting. Dean Sletten motioned to make the proposed changes, Joe Ferguson seconded, and the motion carried. Discussion continued regarding NASECA-ND conference and training shares with Mr. Thelen noting that the committee recommends a $5.00 fee for conference involvement but no fee for the water and wastewater operator certification program. Mr. Brisben suggested that NASECA-ND work with the stormwater training program if additional revenue is needed. President Gefroh asked if there was consensus from the joint

boards. Larry Thelen motioned to add $5.00 to the conference registration for the NASECA-ND share, Eric Volk seconded, and the motion carried. Next, President Gefroh asked what NASECA-ND's involvement would entail. Ms. Peterson again indicated that no separate program would be needed for the 2013 conference.

Next, President Gefroh called for an update on NDWPCC state and federal tax liability. Mr. Brisben stated that Brady Martz had been contacted and that any expenditures to reduce tax liability had to be directly related to the *Official Bulletin* (OB). Mr. Brisben noted that since voting to increase advertising fees in 2008, NDWPCC tax liability was high only in 2010. President Gefroh asked if new software or a dedicated computer could be purchased. Mr. Brisben indicated that two InDesign updates were purchased and the health department allowed the OB editors to use their office computers. Mr. Thelen and Mr. Rust felt that the tax liability was reasonable and that a change was not necessary.

President Gefroh called for any other old business. Hearing none, a report on the April 8, 2013 local arrangements and convention center meeting was called for. Mr. Brisben stated that 140 rooms at $91.00 plus tax had been reserved at the Canad Inn and that an additional 165 rooms were reserved nearby.

Ms. Sletten noted that a new Staybridge Inn directly across from the Alerus Center had opened and that there were several other new hotels south of the Alerus Center and close to Columbia Mall. Ms. Sletten also noted that Grand Forks Convention and Visitors Bureau was working on shuttle service between the hotels and the convention site. Mr. Brisben stated that the Alerus Center had ample space for the three concurrent sessions and that up to 110 booths could be set up in the convention center. Ms. Sletten indicated that feedback from the vendors contacted was positive. The elimination of the facility tours on Wednesday morning during the vendor program and the possibility of outside demonstrations in the afternoon were also well received. Mr. Brisben noted that vendor, sponsor, and presenter packages would go out in early June.

Next, President Gefroh called for a report on the spring water and wastewater training sessions. Mr. Brisben reported that a total of 314 attended despite the April 15-17 cancellation. A total of 250 exams were written with a 78 percent passage rate.

Mr. Brisben reported that tentative dates for the 2019 conference for the weeks of October 7-10 and October 14-17 are reserved at the Minot Holiday Inn, Minot International Inn, and the Fargo Ramada Plaza Suites. Dates available at the Alerus Center/Canad Inn are October 14-17 and October 21-25. Tentative dates in Bismarck at the Ramkota Hotel are October 28-31, 2019. Ms. Sletten asked if a decision on the Grand Forks 2018 proposal had been made. Mr. Brisben indicated that a decision on whether Grand Forks would be added as a fourth city in the conference rotation would be made after the 2013 meeting.

President Gefroh called for any other new business. Mr. Thelen informed the joint boards that the previous OB editors were leaving the department and introduced Justin Feld as the new editor. President Gefroh called for any other new business.

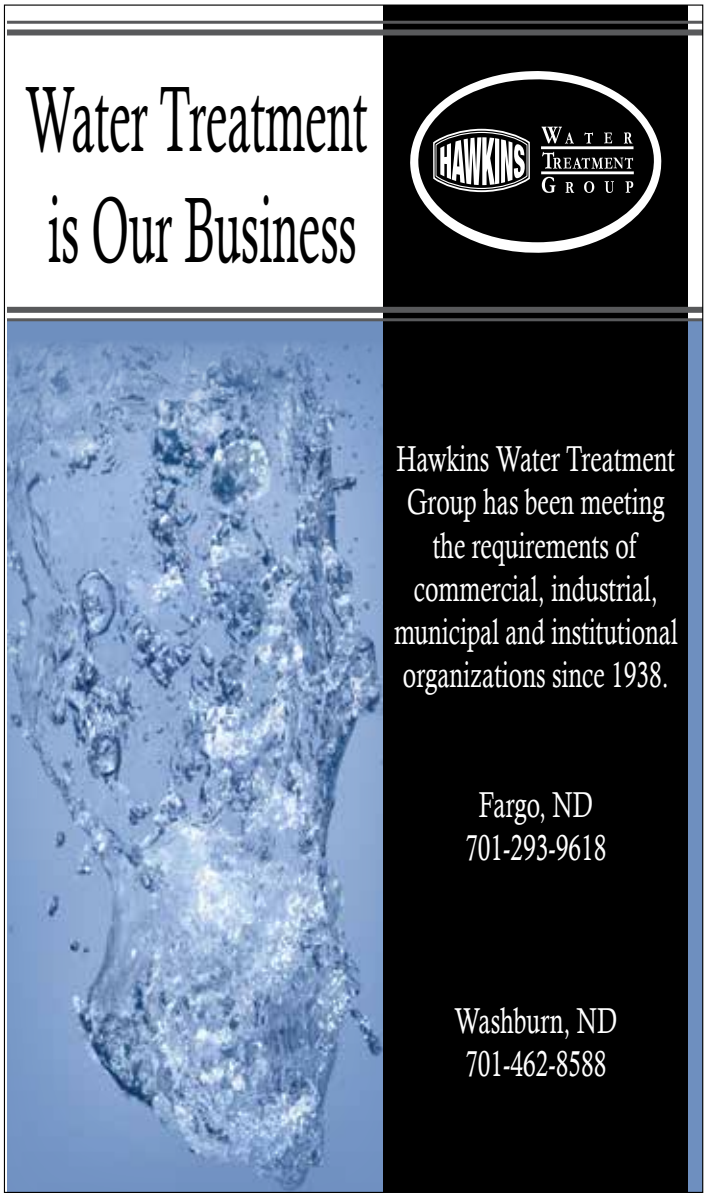
Hearing none, President Gefroh called for a motion to close the meeting. Dean Sletten so moved, Terry Rust seconded, and the motion carried.

The meeting adjourned at 11:37 a.m. NDWEA can be thanked for the refreshments and noon luncheon.

Respectfully submitted,

Mike Brisben
Secretary/Treasurer

MB:pc



Badger Meter

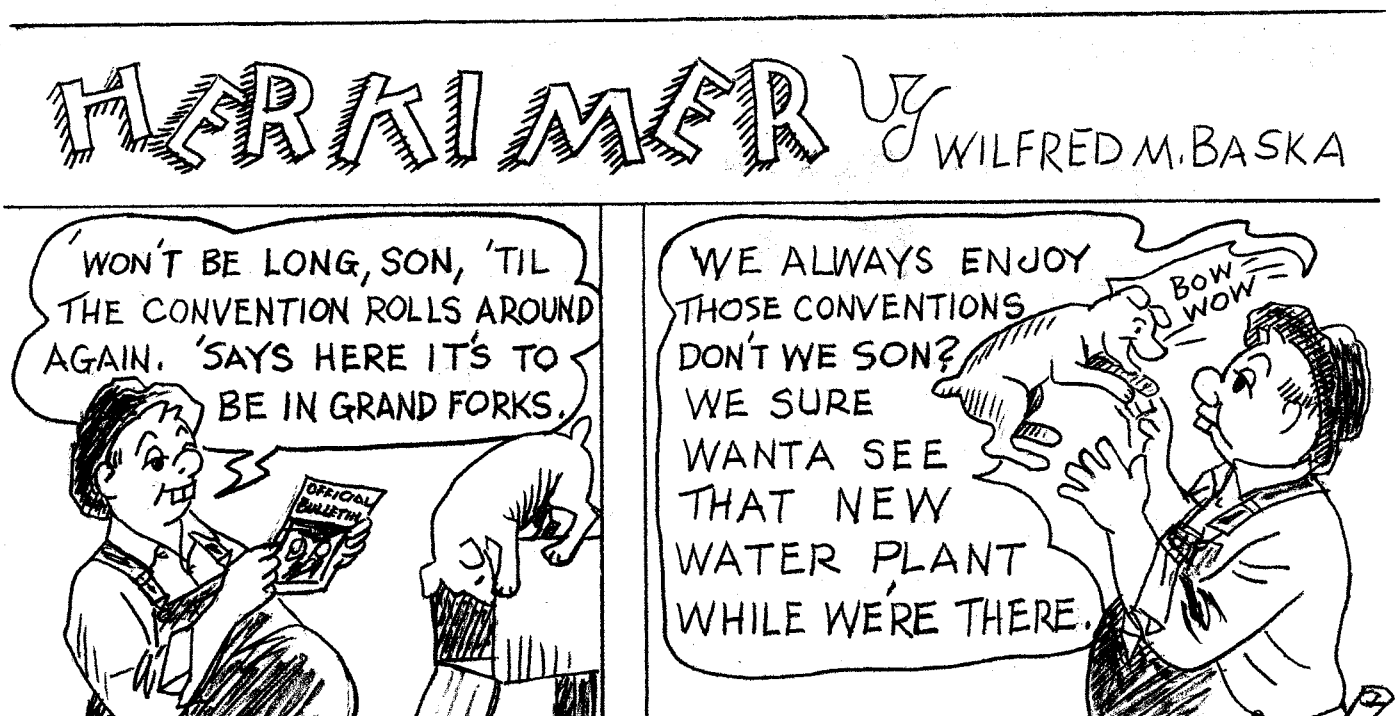
We count every drop.

At Badger Meter, we know it all adds up. That's why we focus on continually enhancing our offerings to be even more accurate, more efficient and more effective at measuring and tracking water flow. From mobile Automatic Meter Reading (AMR) to fixed network Advanced Metering Infrastructure (AMI) systems, Badger Meter industry-leading solutions provide the data to boost your profitability and conservation efforts. One drop at a time.

Jim Plahn | Sales Support Manager
800-656-3837, ext. 16510 | **jplahn@badgermeter.com**
www.badgermeter.com

© 2013 Badger Meter, Inc.

Flow Measurement Solutions



NDWPCC Proposes Changes to Constitution and Bylaws

The Executive Committee of the NDWPCC has proposed changes to the Conference's Constitution and Bylaws. The proposed changes will be voted on by eligible members attending the Conference's Business meeting. That meeting will be held on Thursday, October 24, 2013 at 12 noon in the Alerus Center, Grand Forks, N.D.

The proposed changes are to recognize the North American Stormwater and Erosion Control Association – North Dakota Chapter as a member of the Conference and the storm water systems that make up the North Dakota Chapter. Words and punctuation being removed have strike-outs through them, and words and punctuation being added are underscored. Questions concerning the proposed changes can be directed to Conference Secretary, Mike Brisben at 701.328.6622; mbrisben@nd.gov.

CONSTITUTION AND BYLAWS
of the
NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

CONSTITUTION

ARTICLE I. NAME

The name of this organization shall be the North Dakota Water and Pollution Control Conference.

ARTICLE II. PURPOSE

The purpose of this Conference shall be:

Section 1. General. This Conference is organized exclusively for educational and scientific purposes, including those purposes that qualify it as an exempt organization under Section 501(c)(3) of the Internal Revenue Code or of the corresponding provisions of any future Revenue Code.

Section 2. Specific. The advancement of the knowledge of design, construction, operation, and management of water, ~~and~~ wastewater and stormwater systems.

Section 3. Specific. The promotion and encouragement, through annual meetings or otherwise, of an exchange of information and experience among its membership.

Section 4. Specific. The promotion and encouragement of the protection of public health and improved environment through the construction efficient operation of water supply, wastewater treatment facilities and stormwater systems .

Section 5. Specific. The promotion of water, ~~and~~ wastewater and stormwater system operator education and certification programs.

ARTICLE III. MEMBERSHIP

The membership of the Conference shall consist of persons or groups of persons having the qualifications of membership as prescribed in the Bylaws who are interested in any of the objectives of the Conference.

ARTICLE IV. OFFICERS

Section 1. All officers shall be Active Members of the Conference. The officers of the Conference shall be a President, a President-elect, a Vice President, Five (5) Directors, at least one of whom shall be an Associate Member, and a Secretary-Treasurer. If deemed necessary by the Executive Committee, an Assistant Secretary-Treasurer may be added to the list of elected officers.

Section 2. The officers so noted in the preceding Section 1. shall constitute the Executive Committee.

Section 3. The term Active Member as used in this Constitution shall include all persons having the rights and privileges of Active Members under the Bylaws.

ARTICLE V. ELECTION OF OFFICERS

At the beginning of each annual meeting, the President shall appoint a Nominating Committee consisting of three (3) Active Members who shall prepare a list of nominees, at least one for each elective office about to become vacant, and shall submit their report at the annual meeting. Following the Nominating Committee report, the President shall call for additional nominations from the floor. If more than one name is placed in nomination for any office, voting shall be by ballot. Candidates receiving the majority vote shall be deemed elected.

ARTICLE VI. TERMS OF OFFICE

Section 1. The term of office for all officers, except the Directors as noted in the following Section 2., shall be for one (1) year.

Section 2. The Associate Director shall be elected for a one (1) year term. The other four Directors shall be elected for four (4) year staggered terms (two of the first Directors shall be elected for two (2) year terms, after which subsequent terms of office shall be for four (4) years).

Section 3. The Secretary-Treasurer and the Assistant Secretary-Treasurer may hold office(s) for more than one year consecutively. All other officers shall not hold any one office for more than one consecutive term.

Section 4. The term of office for all officers shall begin immediately following their election at the annual meeting at which they were elected, and continue through the next annual meeting or until their successors are elected and qualified.

ARTICLE VII. DISSOLUTION

Upon dissolution of the Conference, the Executive Committee shall, after paying or making provisions for the payment of all of the liabilities of the Conference, dispose of all of the assets of the Conference exclusively for the purposes of the Conference in such a manner or to such organization or organizations organized and operated exclusively for charitable, educational, religious, or scientific purposes as shall at the time qualify as an exempt organization or organizations under Section 501(c)(3) of the Internal Revenue Code, or corresponding provision of any future Internal Revenue Code, as the Executive Committee shall determine. Any such assets not so disposed of shall be disposed of by the District Court of the County in which the principal office of the Conference is then located exclusively for such purposes or to such organization or organizations as said Court shall determine which are organized and operated exclusively for such purposes.

ARTICLE VIII. AMENDMENTS

Amendments to this Constitution may be proposed by the Executive Committee or by petition to the Committee by ten (10) or more Active Members. Upon instructions by the Executive Committee, the Secretary shall mail notices and the text of the proposed amendments to each member of the Conference at least thirty (30) days before it is voted on. A two-thirds majority vote by members present at the annual meeting is required for passage. The Executive Committee may, at their discretion and if time is of essence, call for a mail vote. If this option is taken, the above mailing of notice requirements applies and a two-thirds majority mail vote is required for passage of the proposed amendment(s). The Executive Committee shall, on a mail ballot, designate the date when ballots must be returned. The date shall not be sooner than thirty-five (35) days from the date of mailing of the notices and text of the amendments.

BYLAWS

ARTICLE I. MEMBERSHIP CLASSIFICATION

Section 1. Members of this Conference may be Active Members, Associate Members, Corporate Members, or Honorary Life Members.

Section 2. An Active Member shall be any person engaged in, or interested in, any aspect related to the field of public water supply, ~~and~~ wastewater and stormwater systems and in the advancement of knowledge relating to the objectives of the Conference.

Section 3. An Associate Member shall be either a person, firm, or corporation engaged in the manufacturing or furnishing of services, materials, or supplies for the construction or maintenance of water, ~~or~~ wastewater or stormwater systems.

Section 4. A Corporate Member shall be any organization, private or governmental, engaged in the design, construction, operation, or maintenance of water supply, ~~or~~ wastewater systems or stormwater systems or be engaged in, or interested in, the objectives of the Conference. A Corporate Member shall be entitled to one representative whose name shall appear on the roll of members and who shall have the rights and privileges of an Active Member. This representative may be changed at the convenience and pleasure of the Corporate Member on written notice to the Conference Secretary.

Section 5. Honorary Life Members may be recommended by the Executive Committee from names presented to the Secretary by any Conference member. Persons selected for such honors shall have been outstanding Conference members and supporters of the Conference objectives. They shall have been Active Members for twenty (20) years or more and have attained the age of sixty-two (62) or more. Honorary Life Members shall have all the rights and privileges of Active Members but shall not be charged annual Conference dues. The names of Active Members recommended for Honorary Life Membership shall be submitted to the membership at the annual meeting for approval or disapproval. The 20-year or more membership and the age of 62 requirements may be waived at the discretion of the Executive Committee.

ARTICLE II. ADMISSION

Section 1. Any person or organization eligible for membership and desiring to become a member of the Conference, shall make payment of the current appropriate dues to the Conference Secretary. If there is no question of eligibility of the applicant, the Secretary shall accept the application and so notify the applicant.

Section 2. Where there is a question of eligibility, the Secretary shall submit the application to the Executive Committee for consideration. A majority vote of the Executive Committee shall be required for approval of the applicant for membership.

ARTICLE III. FEES AND DUES

Section 1. The annual Conference dues for all membership classes, except Honorary Life Members, shall be those currently established by the Executive Committee and approved by a majority vote of the membership present at an annual meeting. Honorary Life Members shall not be charged dues.

Section 2. Annual dues shall be payable the first day of the Conference year.

Section 3. The Conference Secretary, at the annual meeting of the Conference, may accept the appropriate dues for other organizations, etc., which have been affiliated with the Conference in accordance with Article VII of these Bylaws. The Conference Secretary shall record and remit such dues to the designated officer of the appropriate affiliated organization.

ARTICLE IV. CONFERENCE YEAR

Section 1. The Conference year shall begin on the first day of January and terminate as of the close of business on the last day of December.

ARTICLE V. ANNUAL MEETING

Section 1. The annual meeting of the Conference shall be held at a place determined by the Executive Committee at an official session.

Section 2. The dates for the annual meeting shall be set by the Executive Committee at an official session.

ARTICLE VI. DUTIES OF OFFICERS

Section 1. The Executive Committee shall direct the management of the affairs of the Conference and shall make the necessary arrangements for the annual meeting and shall have the power to fill any vacancy of office that may occur between annual meetings. The Executive Committee shall meet at least two (2) times during the Conference year, one such meeting to be at the time of the annual meeting. A majority of the Executive Committee shall constitute a quorum and all actions shall be by majority vote. Special meetings may be called if deemed necessary by the Executive Committee.

Section 2. The Conference President shall be chairman of the Executive Committee and shall preside at executive committee meetings, special meetings, and at the business sessions of the annual meeting.

Section 3. The President-elect shall perform the duties of the President in the event the President is unable to perform. In the absence of both the President and President-elect, the Vice President shall be the presiding officer.

Section 4. In addition to the nominating committee provided for in Article V. of the Constitution, the President is empowered to appoint such additional committees as may be required to serve the best interests of the Conference and to fulfill its objectives.

Section 5. The Secretary-Treasurer, subject to the direction of the Executive Committee, shall collect all dues and revenues of the Conference, pay all bills against the Conference, and maintain a membership roster and all necessary financial records. The Secretary-Treasurer shall present a report at the annual meeting on all receipts, expenditures and debts of the Conference. In addition, it shall be the duty of this office to maintain a record of all activities of the Conference.

ARTICLE VII. AFFILIATION

Section 1. The Executive Committee of the Conference is authorized to approve affiliation with other local and national organizations, associations, etc., whose interests and objectives are compatible with those of the Conference. The purpose of such affiliation is to serve the best interests of both organizations. Officers of the Conference may also serve as officers of the affiliated organizations.

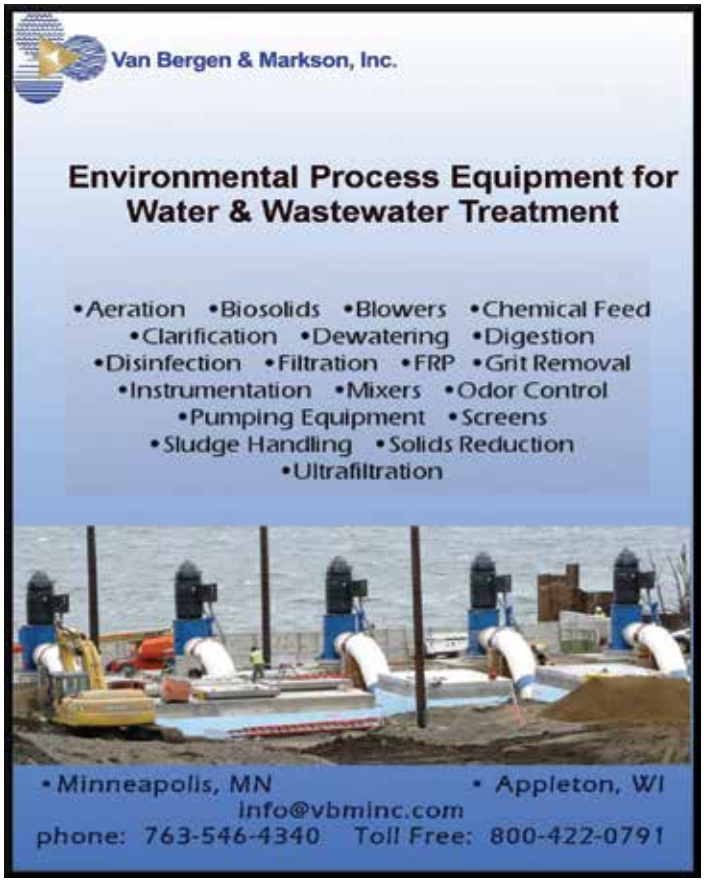
Section 2. It is hereby declared that nothing in the Constitution of the North Dakota Water and Pollution Control Conference or its Bylaws is intended to be in conflict with the constitution and bylaws of an affiliated organization.

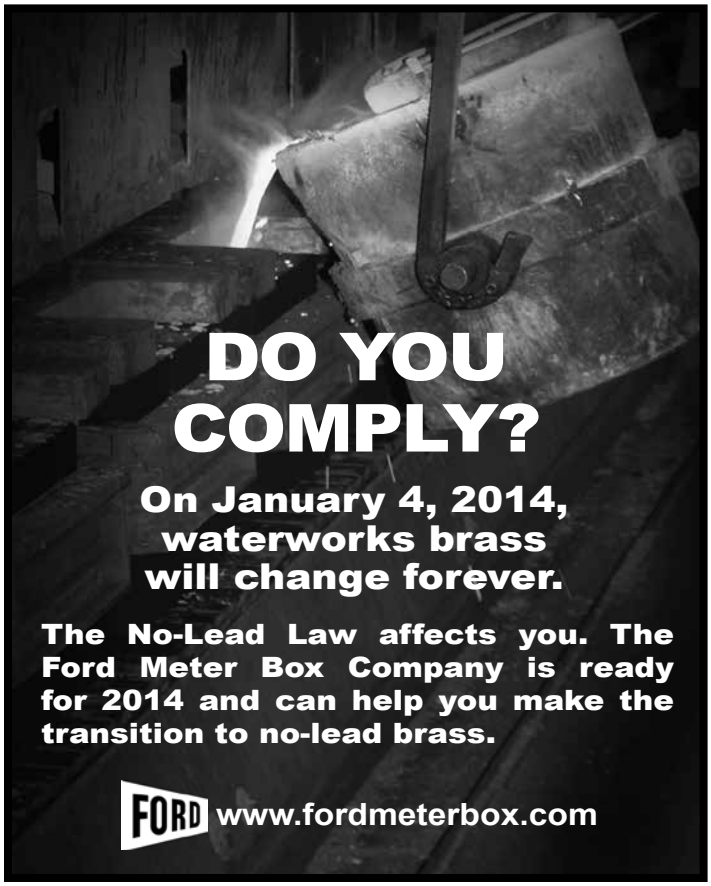
ARTICLE VIII. AMENDMENTS

Section 1. Amendments to these Bylaws may be proposed by the Executive Committee or by petition to the Committee by ten (10) or more Active Members. Upon instructions by the Executive Committee, the Secretary shall mail notices and the text of the proposed amendments to each member of the Conference at least thirty (30) days before it is voted on. A two-thirds majority vote by members present at the annual meeting is required for passage. The Executive Committee may, at their discretion and if time is of essence, call for a mail vote. If this option is taken, the above mailing of notice requirements applies and a two-thirds majority vote is required for passage of the proposed amendment(s). The Executive Committee shall, on a mail ballot, designate the date when ballots must be returned. The date shall not be sooner than thirty-five (35) days from the date of mailing of the notices and text of the amendments.

We, the undersigned, verify that this is an exact and true copy of the North Dakota Water and Pollution Control Conference's Constitution and Bylaws.

Dated this day of , 20 ___





An Investigation into Bromate Formation in the Ozone Disinfection Process

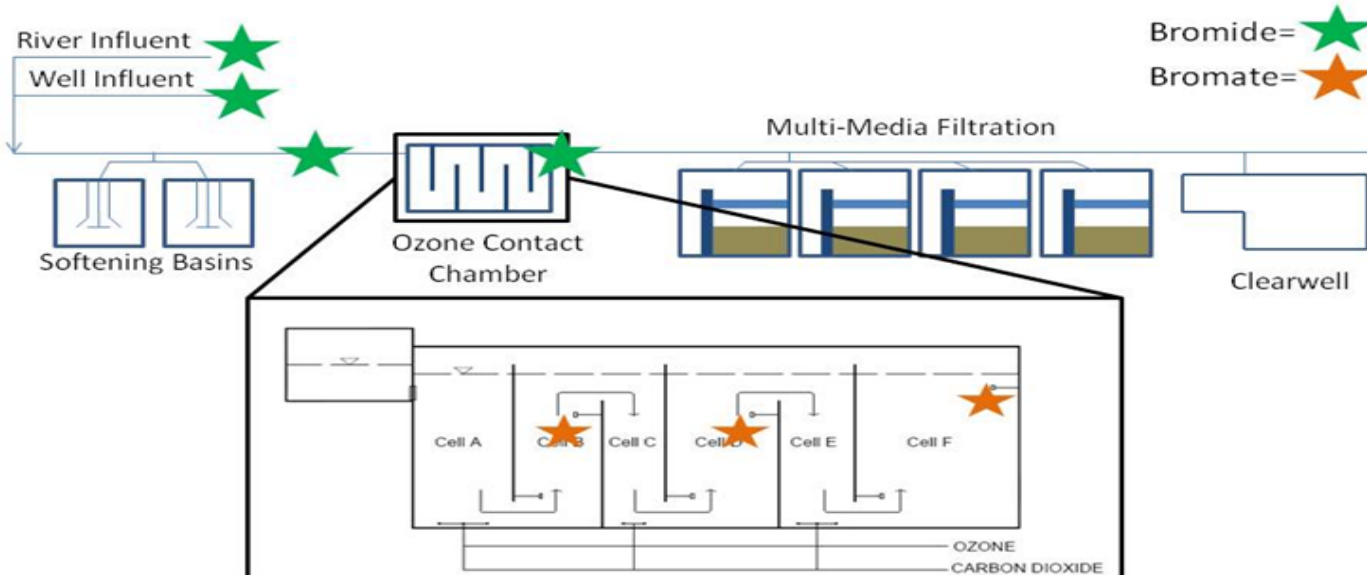
Author: Leslee Storlee

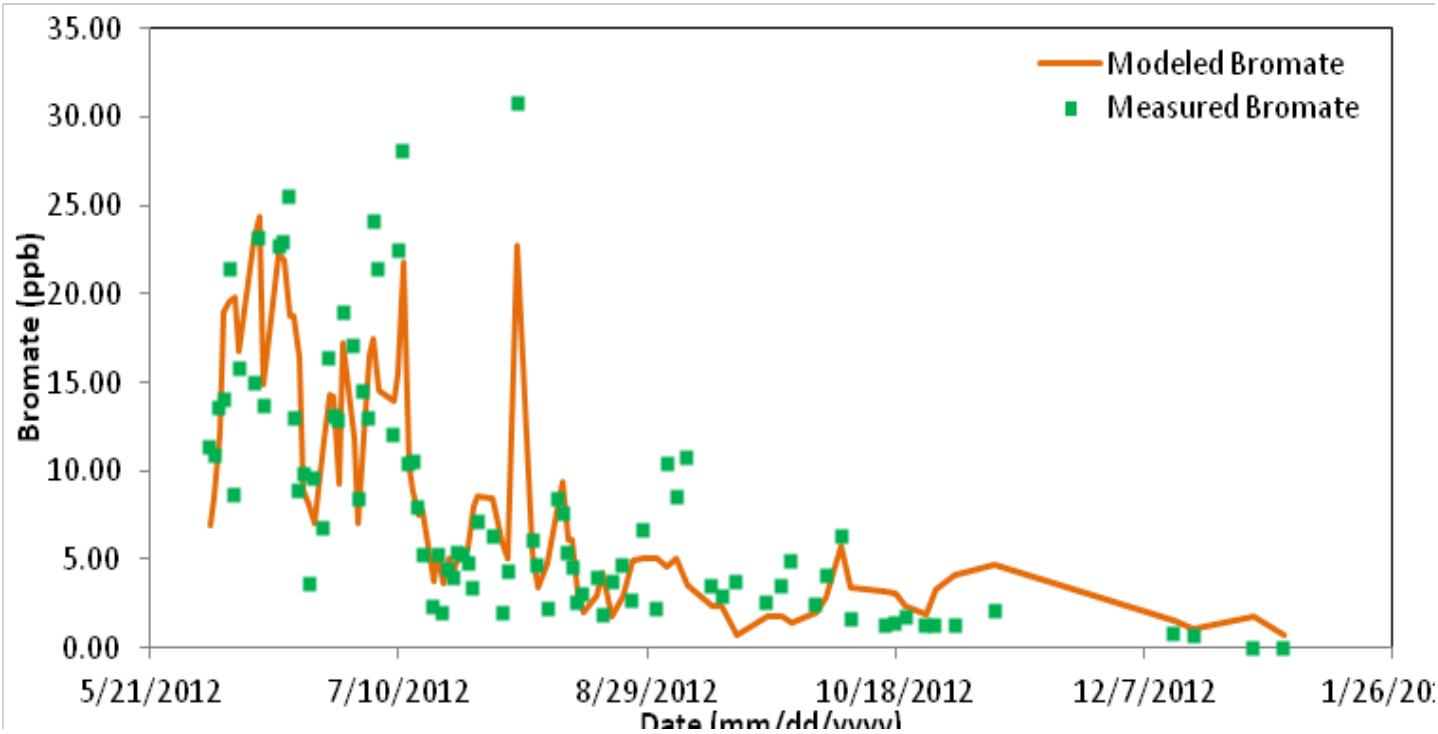
Historically, the primary additive used to disinfect drinking water has been chlorine. Recently, however, the use of ozone as a disinfection agent has become popular due to its reactive disinfection properties and subsequent reduction of chlorine disinfection byproducts. Due to ozone's high oxidation potential, it has the ability to not only disinfect drinking water but also remove inorganic and natural organic substances making it an option for disinfection as well as taste and odor control. The Moorhead Water Treatment Plant (WTP) in Moorhead, Minnesota uses ozone in the disinfection process to remove taste and odor compounds from the Red River of the North as well as meet primary disinfection requirements.

Unfortunately, ozone has the potential of oxidizing bromide, which is found naturally in many water sources, to bromate. Bromate has been classified as a possible carcinogen by the EPA and has been given a maximum contaminant level (MCL) of 10 parts per billion(ppb). Knowledge about bromate formation in water treatment plants is limited as many municipalities do not have the capability to test for bromate at low concentrations. Also, most published studies were conducted using bench or pilot scale systems with pH values of 6-8. However, the Moorhead WTP is a 10 million gallons per day (MGD) facility with a pH (during disinfection) of 9-11 providing for a unique perspective on bromate formation. To better understand bromate formation in full-scale water treatment systems, a comprehensive study was carried out at the Moorhead WTP in 2012. Bromide concentrations in all source waters, both groundwater and surface water, were monitored and determined that the groundwater sources contained more bromide than the surface water source. Water samples from different locations in the ozone chambers were collected and analyzed for bromate and other water quality characteristics. Bromate concentrations were found throughout the ozone chamber and proved to be a valid concern for the facility. Bromate formation was found to be affected by both influent bromide concentrations and operational conditions at the treatment plant. Results indicate that bromate formation was increased by increases in pH, bromide, and ozone dose during times of high temperatures and was decreased by increases in organics. The impact of the bromate influential parameters was minimized at low temperatures. It was also observed that better operational controls need to be developed to minimize bromate formation at the Moorhead WTP.

To assist the facility on developing bromate control strategies, a modeling approach was adopted to predict bromate formation at various operational conditions using temperature, pH, ozone dose, bromide, and TOC. The simplicity of the model will allow it to be implemented into the Moorhead WTP SCADA system to provide for "real-time" prediction of bromate formation and allow the treatment facility to minimize bromate formation.

Above: participants in the posters display
left to right: Lessle Storlee, Michael Quamme, Ruchi Joshil and Mentor Meredith Quinn





Engineering America

Glenn R. Gustafson, PE
Epoxy Tank Product Manager
Cell: 651-357-7540 • ggustafson@engamerica.com
647 Hale Ave N, Oakdale, MN 55128
Ph: 651-777-4041 • Fax: 651-777-5312 • www.engamerica.com

TONKAWATER™
Trusted systems. Resourceful thinking.
Since 1956, Tonka Water has manufactured thousands of water treatment systems.
WWW.TONKAWATER.COM | 763.559.2837

Now You Have An Unfair Advantage

WATERWORKS

When it comes to waterworks, there can be a lot of pressure: Big jobs. Tight deadlines. High expectations. DSG and Fargo Water Equipment partner to provide you with more than just pipe and products.

You get :

A Wider Distribution Network –
We have waterworks warehouse locations in Fargo, Sioux Falls, Rapid City and now in Bismarck. We can provide products where you need them and when you want them.

The Most Experienced Waterworks Team In The Midwest –
Our crew specializes in combining experience and innovation to offer you solutions for your challenging projects.

Exclusive Access To Underground Solutions® Fusible PVC –
These incredible pipeline products put the advantages of trench-less directional drilling within reach.

The Benefits Of Dealing With An Owner –
We're an employee-owned company, and that means everyone you deal with has a vested interest in your success.

In other words, you'll experience *The Power of We* – our company-wide philosophy that has proven time and time again that your success is the key to our own.

Contact us today to learn more about how we can help you.

DSG
DAKOTA SUPPLY GROUP
For all the right connections!

FGOH2O
FARGO WATER EQUIPMENT
A Division Of DSG

FARGO, ND ▸ (800) 342-4676
SIOUX FALLS, SD ▸ (800) 660-5531
BISMARCK, ND ▸ (855) 337-9258
RAPID CITY, SD ▸ (800) 660-5538

www.dakotasupplygroup.com

Save the Date

New Horizons in Rural Living
NORTH DAKOTA
Rural Water
SYSTEMS ASSOCIATION

28th Annual Water Expo
February 18-20, 2014
Fargo, ND

Earn eight CEU's towards your operator certification while obtaining a technical, hands-on experience!

Ramada Plaza & Suites
Fargo, ND 58103
Reservations: 701.277.9000
A block of rooms has been reserved under Rural Water.

Quality On Tap!
Our Commitment Our Profession

2718 Gateway Ave #201
Bismarck, ND 58503
Phone: 1.800.349.6951
Email: info@ndrw.org
Website: www.ndrw.org

Every drop along the way...

Clean. Safe. Sustainable.

Utility Service Co., Inc. has proudly served the potable and industrial water industries for over 50 years. Today's Utility Service Group provides comprehensive condition assessments, rehabilitation services and sustainable asset management solutions throughout the whole water cycle.

Infrastructure Asset Management Services
Water Tanks | Water Wells| Valve & Hydrants | GIS
Industry Leading Water Quality Technology
Water Tank Chemical Cleaning | Water Tank Active Mixing | Pipe Cleaning (Ice Pigging) | THM Removal
Water Network Efficiency
Leak Detection Services | Smart Metering

North Dakota
Ryan Baum
952.463.8012
rbaum@utilityservice.com

Utility Service Group
utilityservice.com

Change of Leadership for the North Dakota Department of Health's Drinking Water Program

by Wayne Kern Director of the Division of Municipal Facilities, North Dakota Department of Health

Larry Thelen retired from the Department of Health on August 2, 2013, after 22 years of distinguished service. Larry's principal work focus was management of the Department's Drinking Water Program.

Larry made many noteworthy contributions during his 22 years with the Department. Among other things, Larry:

- Managed the Drinking Water Program for 15 years. During this time period, Larry successfully prepared for and implemented numerous changes necessary to address the extensive and far-reaching new requirements imposed by the 1996 Safe Drinking Water Act Amendments. Despite this and other significant challenges, North Dakota's Drinking Water Program under Larry's direction has been recognized regionally and nationally for its success in maintaining high SDWA compliance and data quality.
- Oversaw the activities of the Environmental Training Center for eight years.
- Oversaw the Operator Expense Reimbursement Program.
- Has been an active and key member of several water industry organizations including the North Dakota Water and Pollution Control Conference, North Dakota Rural Water Systems Association, Association of State Drinking Water Administrators (ASDWA), and the North Dakota Section of the American Water Works Association (NDAWWA). Larry was a member of ASDWA for 15 years and served on its Board of Directors for two years. With respect to the NDAWWA, Larry served as the sole or assistant Secretary/Treasurer for 16 years, has been a member of the Surface Water Treatment Workshop Committee for nine years, and is currently a Section Director and member of the Water Utility Council.

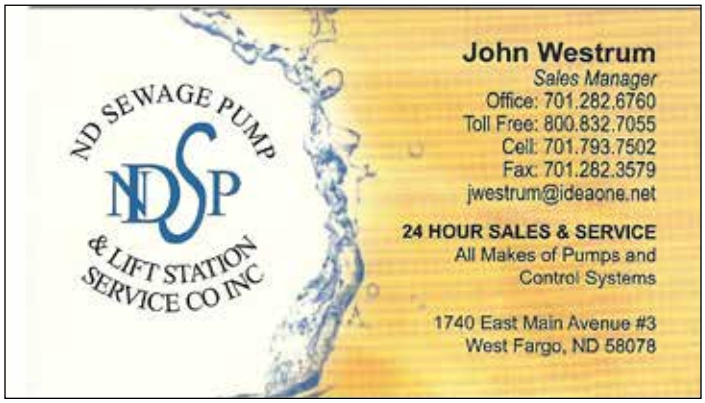
Former Drinking Water Director Larry Thelen

In 1986, Larry received an Operator of the Year Award from the Department. In 2000, Larry received the coveted George Warren Fuller Award from the AWWA in recognition of his distinguished service to the water supply field. In 2010, Larry received the Kenneth J. Miller Award from the AWWA to recognize his efforts on behalf of Water For People.

Prior to joining the Department, Larry managed the Upper Souris Water Users Association and the South Central Regional Water District (formerly the Burleigh Water Users Cooperative) for three and eight years, respectively. Larry is a certified grade II water treatment plant and water distribution operator.

Larry will be missed. Department staff are extremely grateful for Larry's many years of skilled and dedicated service to the Program and the water industry.

Larry has accepted a new challenge that will enable him to continue his contributions to the water industry. Larry is joining Advanced Engineering and Environmental Services, Inc. as a Program Coordinator. His initial focus will be working with the Western Area Water Supply Project. The Department wishes Larry well in this new endeavor.



North Dakota Department of Health's Drinking Water Program Welcomes A New Program Administrator

by Wayne Kern Director of the Division of Municipal Facilities, North Dakota Department of Health

New Drinking Water Program Administrator Greg Wavra

Larry Thelen's retirement from the Department of Health on August 2, 2013 left the Division the challenge of filling some big shoes to continue the work and success of the Drinking Water Program.

On July 29, 2013, Greg Wavra was selected to manage the Drinking Water Program. Greg has been with the Department and Drinking Water Program for more than 21 years. He has worked with most facets of the Program, with focus on Safe Drinking Water Act requirements pertaining to surface water and microbiological quality. This experience will enable Greg to further the work and success of the Program. Community officials, water and wastewater operators, and city/consulting engineers statewide are asked to join Division staff in supporting Greg as he adjusts to this new and important role in the Division.

THEIN WELL

Over 100 Years of Service

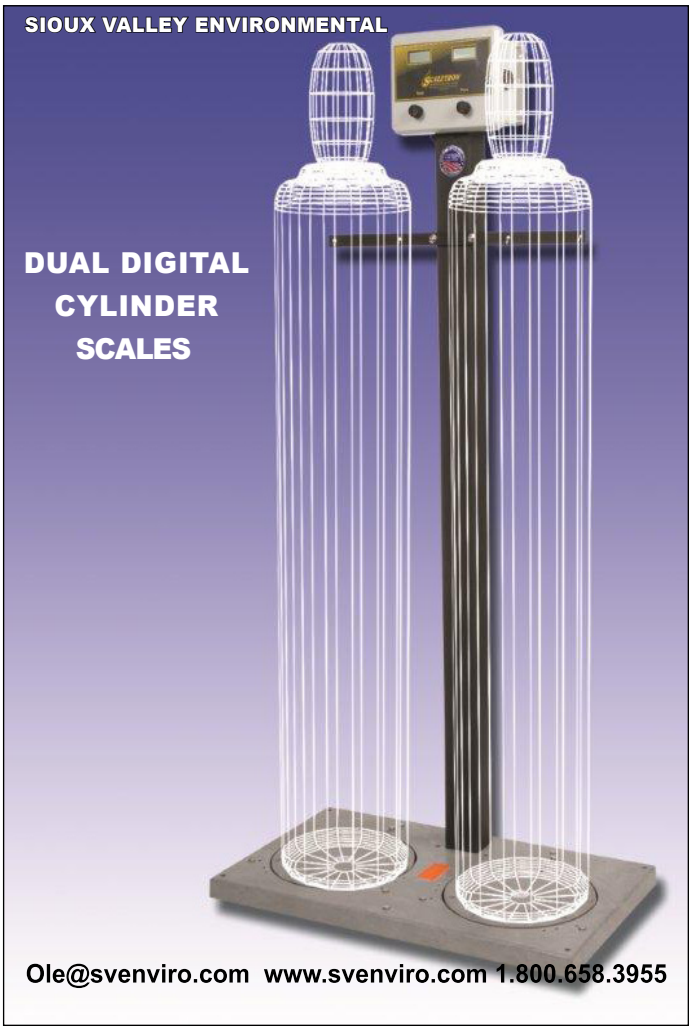
Since 1893

- Test/Production Wells
- Pump Sales/Service
- Well Rehabilitation
- Well Television
- Gamma/E-logging
- Well Abandonment
- Geo Probing
- Soil Borings
- Monitoring Well
- Remediation Wells
- Geothermal Systems
- Rock Coring

Certified Master Groundwater Contractor

1-800-450-8000

www.theinwell.com



Drinking Water Program Directory		
Program Administrator	Greg Wavra	701-328-5257
Acrylamide and Epichlorohydrin Rule	Gary Stefanovsky	701-328-5287
Arsenic Rule	Gwen Niksic	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	Gwen Niksic	701-328-5258
Groundwater Rule	Gary Stefanovsky	701-328-5287
Inspections: Northeast	Gregg Stewart	701-328-6621
Inspections: Northwest	Justin Feld	701-328-6624
Inspections: Southeast	Shawn Heinle	701-328-6627
Inspections: Southwest	Bob Markhouse	701-328-6623
Inspections: Northwest	Mike Trythal	701-328-5269
Lead and Copper Rule	Gwen Niksic	701-328-5258
Surface Water Treatment Rule: Interim Enhanced, Long Term 1 Enhanced, Long Term 2 Enhanced	Greg Wavra	701-328-5224
Microscopic Particulate Analysis (MPA)	Gary Stefanovsky	701-328-5287
Nitrate/Nitrite Program	Gwen Niksic	701-328-5258
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	701-328-5231
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	Karl Rockeman	701-328-5225
Animal Feeding Operations	Brady Espe Jeremy Lang	701-328-5228 701-328-5219
Biosolids	Marty Haroldson Karl Rockeman	701-328-5234 701-328-5225
Construction Stormwater	Dallas Grossman Luci Snowden Amanda Cross	701-328-5242 701-328-5239 701-328-5244
Dewatering and Hydrostatic Testing	Sarah Waldron	701-328-5237
Discharge Monitoring Reports (DMRs)	Curt Steier Marty Haroldson Jeff Roerick	701-328-5260 701-328-5234 701-328-5240
DMR Quality Assurance (QA) Study	Marty Haroldson	701-328-5234
Industrial Pretreatment	Jeff Roerick	701-328-5240
Industrial Stormwater	Dallas Grossman Luci Snowden Amanda Cross	701-328-5242 701-328-5239 701-328-5244
Inspections	All Staff	701-328-5210
Lagoon Overflows/Releases/Spills	All Staff	701-328-5210
MS4 Stormwater	Dallas Grossman Luci Snowden Amanda Cross	701-328-5242 701-328-5239 701-328-5244
Public Notices/NDPDES Permits	Curt Steier	701-328-5260
Septic Pumper	Sarah Waldron	701-328-5237
Wastewater Discharge Approvals	All Staff	701-328-5210
Central Phone: 701-328-5210		**Fax: 701-328-5200**

Customized Water Treatment Solutions

Since 1956, Tonka Water has manufactured thousands of water treatment systems. We offer products and services in:

- Surface Water Treatment
- Groundwater Treatment
- Ion Exchange Systems
- Gravity Systems
- Membrane Systems
- System Renovations
- Arsenic Removal
- Radium Removal
- Packaged Systems

TONKAWATER™

Trusted systems. Resourceful thinking.

WWW.TONKAWATER.COM | 763.559.2837

Represented locally by Engineering America, Inc. | www.engamerica.com

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

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

water | transportation | municipal | facilities

We believe in simplicity.

We believe in setting the bar even higher.

We believe in doing what we say.

Thank you for believing in us.

Apex Engineering Group

Celebrating three years of different.

ApexEngGroup.com