North Dakota Water and Pollution Control Conference

NDWPCC

OFFICIAL BULLETIN

VOLUME 102 JULY - SEPTEMBER 2014 NUMBERS 7-9

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Mark Peterson City of Fargo

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. 102 **July-Sepember 2014** **NOS. 7-9**

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INDEX TO ADVERTISERS

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FIRM **PAGE**
Ackerman Estvold 4, 41
AE_2S....23, 43
Apex Engineering....28, back cover
Bartlett & West....33
Bolton & Menk....45, 50
Brock White....10, 41
Dakota Supply Group 25, 47
Electric Pump 45
Engineering America 38, 42
ESS Brothers & Sons, Inc. 20, 44
Ferguson Waterworks....8, 27
Ford Meter Box.... 40
Hawkins Water Treatment Group 42
Houston Engineering....8, 48
Hughes Lift Station Service 44
Interstate Engineering....26
Jet-Way Multiple Services....13, 46
KLJ 29, 46
Moore Engineering.... 22, 34
MVTL....9
ND Sewage Pump & Lift Station Service .... inside front cover, 19
Ovivo .... 5, inside back cover
Paxxo 7, 40
SEH....31
S.Roberts Company....46
Stantec 16
Team Lab 39, 51
Thein Well 17
Widseth Smith Nolting....21
Wold Engineering....18

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**

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TABLE OF CONTENTS

SUBJECT **PAGE**
NDWPCC President's Letter....2
2014 Conference Officers 2
2014 Conference Activites 3
Revised Total Coliform Update 5
APWA Membership Application 6
City of Fargo's New Ground Storage Reservior and High Service Pumping Station 8
2014 Conference Sponsors for Door Prizes, Social Hour, Coffee Breaks and Golf Tournament....11
Conference History 12
Water Environment Federation National Representative....14
Student and YP Reception 14
American Water Works Association National Representative....15
NDWPCC Service Project 15
Hear, Ye! Hear, Ye! Methods of Public Notification 16
AWWA Board of Trustees Meeting Minutes May 13, 2014....18
NDWPCC Joint Board Meeting Minutes....21
AWWA Board of Trustee Meeting Minutes January 22, 2014....24
North Dakota Rural Water Expo....26
2014 Conference Announcement 28
2014 Meeting Schedule....30
Registration Form 32
Schedule of Concurrent Sessions....35
Guide to Exhibitors in the Tabletop Display Program 39
Confined Space Entry Training Registration 49
Program Directories 52

On the cover: Red River and Fargo Water Plant. Photo provided by Fargo 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 Dean Sletten, North Dakota Water and Pollution Control Conference President

Dear Conference Members and Friends:

The annual North Dakota Water and Pollution Control Conference is jointly sponsored by the North Dakota Water and Pollution Control Conference, the North Dakota Water Environment Association, the North Dakota Section of the American Water Works Association, the North Dakota Chapter of the American Public Works Association, and the North Dakota Chapter of the North American Stormwater and Erosion Control Association. On behalf of these sponsoring organizations, I invite you to attend the 86th Annual Conference on October 14, 15, and 16 at the Holiday Inn in Fargo.

This year's conference offers technical sessions presented by the sponsoring organizations, a vendor hall exhibit, municipal tours, service projects, a water taste test contest, a student and Young Professional social and poster competition, and an awards banquet to honor the efforts of members of the sponsoring organizations. Most importantly, the conference offers numerous opportunities to network and socialize with your peers.

In addition, a pre-conference workshop on Confined Space Safety Training will be held on Monday, October 13, 2014 at Fargo Public Works.

The success of the conference depends on member involvement. I encourage each of you to get involved with one of the sponsoring organizations and help make this and future conferences a success.
I hope to see you in Fargo.

Sincerely,
Dean Sletten, President
North Dakota Water and Pollution Control Conference

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2014 ANNUAL CONFERENCE ACTIVITIES

CONFINED SPACE SAFETY TRAINING

Monday 9:00 a.m. - 3:00 p.m.
Public Safety Building
4630 15th Ave NW

NDWPCC SERVICE PROJECT

Monday 4:00 p.m. - 7:00 p.m.
Rabanus Park
4315 18th Ave SW

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.
Atrium/Press Room

MEALS

Tuesday Lunch 11:30 a.m.
Sterling and Crowne Rooms

Tuesday Buffet 5:30 p.m. - 7:30 p.m.
Pool Patio

Wednesday Free Buffet Breakfast 8:00 a.m. - 10:00 a.m.
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Wednesday Lunch 12:00 noon
Pool Patio

Wednesday Social 5:30 p.m.
Pool Patio

Wednesday Banquet 6:30 p.m.
The Great Hall

Thursday Lunch 12:00 noon
Sterling and Crowne Rooms

GOLF TOURNAMENT

Tuesday 1:00 p.m.
Edgewood Golf Course
19 Golf Course Ave N

FIELD TRIPS

Transportation will be provided

Monday 2:00 p.m.
Fargo Municipal Facilities

Tuesday 9:00 a.m.
Fargo Municipal Facilities

WATER AND WASTEWATER OPERATOR CERTIFICATION EXAMINATIONS

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

pH CERTIFICATION

Tuesday 9:00 a.m. - 11:00 a.m.
Mezzanine Suites III

YP POSTER COMPETITION

Wednesday 9:00 a.m. – 12:00 noon
South Conference Corridor

TABLETOP DISPLAY PROGRAM

THE GREAT HALL

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

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Tuesday 6:00 p.m. - 8:00 p.m.
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Revised Total Coliform Update

by Jeni Walsh, North Dakota Department of Health

The Revised Total Coliform (RTCR) published last year becomes effective for all public water systems April 1, 2016. The Drinking Water Program has been and will continue to work toward implementing the RTCR and providing training and updates to water systems.

Training sessions will be presented at the 2014 Fall Conference in Fargo and also at the 2015 Spring Operator Training classes in Bismarck. Additional mailings and other training efforts will continue through 2016.

The Drinking Water Program has participated in Environmental Protection Agency (EPA) and the Association of State Drinking Water Administrators (ASDWA) training sessions that have covered details about the requirements and guidance on implementing the RTCR. We will continue to learn about the RTCR as more material is made available and will pass that information along to the water systems.

The major change in the regulation from the current Total Coliform Rule (TCR) is the requirement to conduct assessments of the water system to identify sanitary defects when total coliform is detected in the distribution system multiple times in one month. Whereas the TCR issues a Maximum Contaminant Level (MCL) violation, the RTCR will require the system to do an assessment and undertake corrective action(s). A Treatment Technique (TT) violation will be issued only if the assessment or corrective action(s) are not completed. Acute MCL violations will continue to be issued when E. coli is confirmed to be present in the water system samples. In addition to the Acute MCL, the RTCR will also require an assessment and corrective action(s) to be completed.
We have begun the process of developing procedures and forms for conducting the required assessments, sampling plans and start-up procedures based on EPA's guidance. In addition, we will be developing a notification and tracking procedure to initiate and document the assessments and corrective action(s). We are working to develop these forms and will have draft procedures in place by the spring of 2015. This will allow us to begin implementing the assessments and start-up procedures parallel to the current TCR requirements to help train water systems and our staff on the new requirements. Compliance during this period will continue according to the current TCR, although water systems will be encouraged to complete the assessments and any identified corrective action(s).

With the implementation of the RTCR, ALL WATER SYSTEMS WILL MOVE TO MONTHLY MONITORING for the months in which they are open, regardless of classification. The monitoring requirements for number of samples under the RTCR are essentially the same as under the current TCR for routine and repeat samples (although only three repeat samples are required per positive sample). However, the current requirement of collecting the "next five" routine samples the month following the positive sample will be removed.

The staff at the Drinking Water Program is working now on the Special Primacy Requirements package to EPA and the Full Primacy application package that is due early next year. We will be sending information packets to all systems throughout the next year and a half to make sure everyone is aware of the changes brought on by the RTCR.

More information regarding the details of the RTCR can be found on the EPA website:
http://water.epa.gov/lawsregs/rulesregs/sdwa/tcr/regulation_revisions.cfm or the
RTCR Quick Reference Guide at:
http://water.epa.gov/lawsregs/rulesregs/sdwa/tcr/upload/epa815b13001.pdf

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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.

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- **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

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

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

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City of Fargo's New Ground Storage Reservior and High Service Pumping Station

Dustin Dale P.E., AE_2S, and Mark Peterson, City of Fargo

The City of Fargo, like many other North Dakota cities, is growing rapidly. According to the U.S. Census Bureau, Fargo's population increased from 90,599 residents in 2000 to an estimated 113,658 in 2013. Specifically, the south side of town has experienced explosive growth within the last few decades. This growth was beginning to stretch the limits of the centrally located Water Treatment Plant (WTP) and existing high service pumping station (HSPS). City leaders began to question whether the needed water pressure and volume could continue to be delivered to new development areas in the south as the city continued to expand.

The City of Fargo retained Advanced Engineering and Environmental Services, Inc. (AE_2S) to develop a Distribution System Master Plan (DSMP) to evaluate the city's current drinking water infrastructure, as well as look at the city's future needs. The engineering team created a hydraulic model as part of the DSMP to identify system deficiencies and possible solutions. The DSMP identified that a new 36-inch transmission pipeline, Ground Storage Reservoir (GSR), and remote high service pump station on the south end of the city could resolve current water concerns, as well as provide the flexibility to serve a continually growing population.

GSR Designed for Current and Future Growth

AE_2S, in association with Black & Veatch (B&V) developed a plan for the new GSR and Pump Station to allow for minimum maintenance, a long life, and provide for operational flexibility. They determined a 5.5 million gallon GSR should be constructed on a City-owned section of land in south Fargo. The land has room for the City to potentially build a future satellite WTP and a second 5.5 million gallon GSR as demands warrant in the future.

The 178-foot diameter GSR is an AWWA D110 Type III tank, constructed utilizing 31-foot-tall precast concrete walls containing an embedded steel diaphragm. After the walls were set vertically, wires were wound horizontally around the tank, keeping the walls in permanent compression. Poor soil conditions led to the GSR being placed on steel piles to prevent both settling and uplift pressures. The tank is buried halfway beneath ground level to keep a lower profile because the GSR and pump station are adjacent to residential and commercial development. The lower profile is also aided by the GSR's flatter roof design, which is supported on columns inside the tank. The tank contains active mixing to aid in water circulation, decrease stratification, and prevent ice build-up during winter months.

The GSR is filled through a dedicated 48,000-foot, 36-inch transmission pipeline fed from the city's existing HSPS. Operators are able to remotely control the rate of fill of the GSR from the WTP by modulating a pressure-sustaining valve located adjacent to the GSR. The pump station is used to pump finished water to areas generally south of I-94. This arrangement has helped the city provide adequate pressures and better maintain water tower levels throughout its distribution system.

Pump Station Designed to Grow with City

The pump station was designed and constructed with a capacity of 18 million gallons per day (mgd). This is achieved through four vertical turbine pumps, with room for two additional pumps. The design team included provisions to allow for multiple future expansions to 28 mgd, 40 mgd, and ultimately 60 mgd to meet future demands. Chemical feed systems were included in the pump station to allow dosing of disinfection chemicals into the water as it passes through the pump station.

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The pump station utilizes a geothermal system for heating and cooling, which helps to minimize the city's environmental impact and reduce operating costs. The project team also considered a solar panel system, but that option was not selected due to cost effectiveness. The exterior of the GSR and pump station were designed to match the existing WTP to help the city consistently brand its water infrastructure. The design also includes a large masonry screen wall around the standby power generator to enhance the aesthetic appeal and minimize noise impact for nearby residents

From an electrical standpoint, the pump station was designed to be fed from two separate electric service feeders and also includes a 1500-kW, walk-in style generator, increasing the redundancy and reliability of the facility. Additional electrical items include variable frequency drives and premium efficient motors designed to be extremely reliable and of adequate size to handle the projected expansion schedule of the facility, while at the same time being energy efficient.

The pump station is equipped with office and lab areas to provide operators the ability to perform limited sampling and full SCADA controls of either the pump station or the WTP through the SCADA system. The pump station is operated remotely from the WTP, so it does not require an operator onsite, but staff does make a minimum weekly walk-through. Due to the distance of the pump station from the WTP, there is also a maintenance area to house snow removal and lawn care equipment, as well as a work bench and tools for maintenance staff to perform simple repairs.

Project Success

The nearly $15-million GSR and pump station project began construction in fall of 2010 and was functionally completed in July 2012. Since being brought online, the city has noticed increased turnover in the distribution system's water towers, which results in reduced water age and improved chlorine residual.

Added Benefit

Since the GSR and Pump Station came online, an added benefit has been improved performance at the WTP. Due to the increased finished water storage capacity, the number of flow changes through the WTP has been cut nearly in half. This has resulted in fewer plant upsets and a more consistently treated water quality leaving the plant. This is accomplished by using the GSR as a balancing tank to store excess water in times when the distribution system demand is less than the WTP production and as a source for the distribution system when distribution system demands are greater than WTP production.

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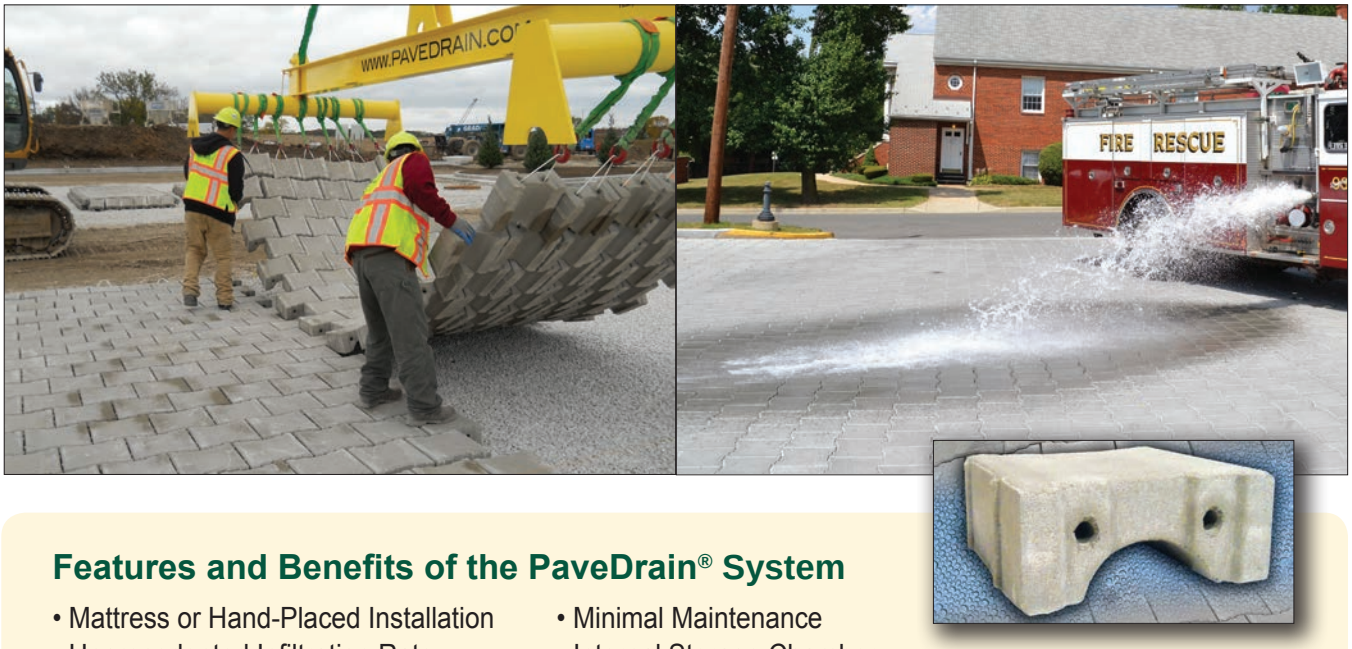

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CONFERENCE HISTORY

Conference	Host City	President	President's Residence
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2013	Grand Forks	Bill Gefroh	Bismarck
2012	Minot	Karla Olson	Fargo
2011	Bismarck	Chuck Abel	Bismarck
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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

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

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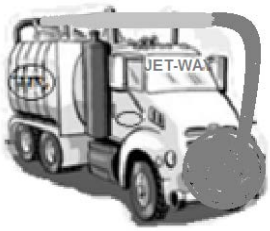

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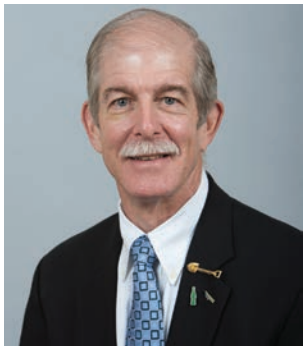
Water Environment Federation National Representative

2014 North Dakota Water and Pollution Control Conference Welcomes Paul Bowen.



Paul Bowen, Vice President of Water Environment Federation

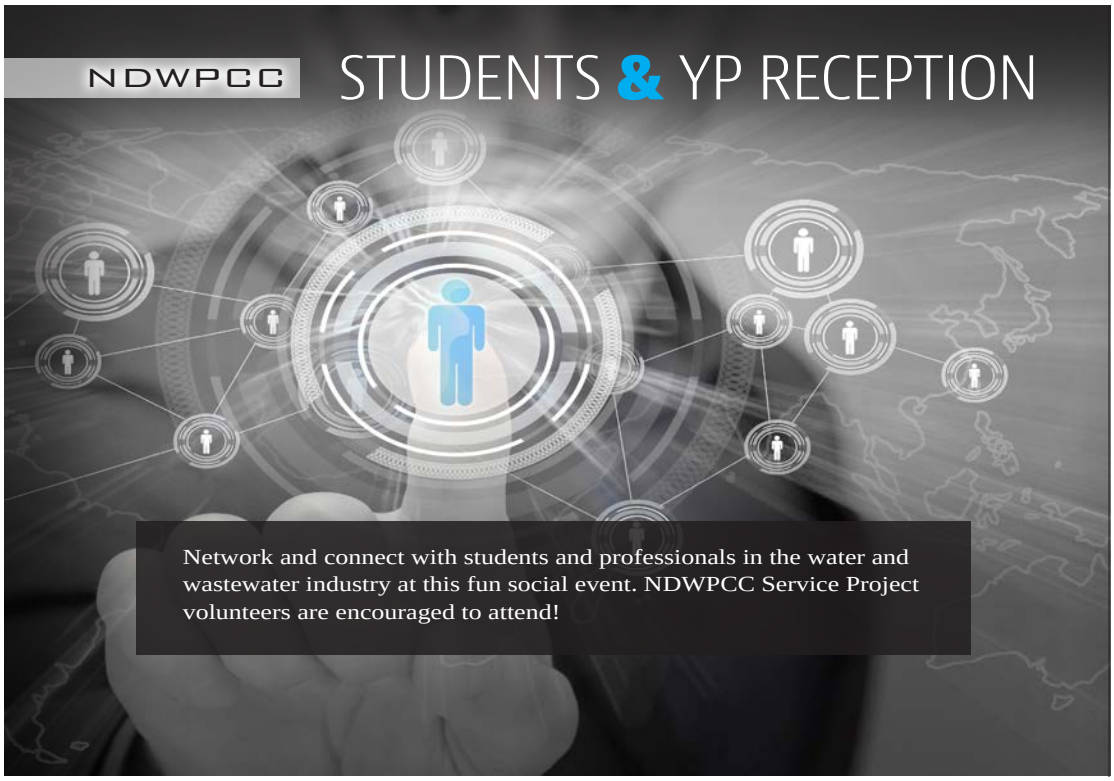
Paul is currently the Director of Sustainable Operations for The Coca-Cola Company. In this role, he leads the environmental sustainability program across the quality and technical organizations of The Coca-Cola Company. He is responsible for delivering on company commitments in the water and energy/climate spaces, and for embedding environmental sustainability across all Coca-Cola System operations. He serves as a technical expert for developing water reuse with corporate quality standards and as a SME on water and wastewater treatment issues.

Prior to his position with The Coca-Cola Company, Paul was an Assistant Professor in the School of Civil Engineering & Environmental Science at the University of Oklahoma and Vice-President and Senior Staff Consultant for Metcalf & Eddy.

A Water Environment Federation (WEF) member since 1977, Paul has held multiple leadership and committee roles within WEF. He currently serves as the Vice-Chair of the Committee Leadership Council. He has served on the Program Committee as both chair and vice chair, as well as served as a member and chair of the Residuals & Biosolids Technical Symposium, Industrial Wastes Technical Symposium and the Research Symposia. Paul was also chair of the Committee Leadership Council's Delivery Focus Group and a member of the Public Affairs & Communications and Industrial Wastes Committees. In addition, he has served as a literature review author for the Residuals & Biosolids and Industrial Wastes Committees.

Also an active member of the Georgia Association of Water Professionals (GAWP), Paul has served as a member and chair of GAWP's Program Committee and a member of the Industrial Waste Committee. His other professional affiliations include the American Water Works Association, American Society of Civil Engineers, American Chemical Society, International Water Association, International Society of Beverage Technologists, and as a member of the Board of Directors for WEF's Charity of Choice, Water For People.

Paul received his B.S. in Natural Systems (Chemistry and Biology) from Mercer University (Macon, Ga.) in 1975, and his M.S. (1976) and Ph.D. (1982) in Environmental Systems Engineering from Clemson University (Clemson, S.C.).



The Students & YP Reception is a great opportunity to network with industry leaders who provide safe drinking water and produce clean water resources and socialize with professionals in your field!

DATE
October 14, 2014

TIME
6:00 p.m. – 8:00 p.m.

LOCATION
Buffalo Wild Wings
1501 42nd Street South
Fargo, ND 58103

Food & Drinks will be provided.

American Water Works Associaton National Representative

2014 North Dakota Water and Pollution Control Conference Welcomes Brenda Lennox.

Brenda Lennox, Vice President (2014-2016) of American Water Works Association

Brenda has been with Tualatin Valley Water District for 20 years and has been an active AWWA member for 15 years. This includes efforts at the local, regional, and national level.

Local and regional involvement includes numerous committee chair and officer positions for the Pacific Northwest Section. This includes serving as Section Chair in 2010 and now as the Association Director.

At the Association level Brenda has served as Customer Service Committee Chair and team member developed curriculum for the Customer Service Certificate program. Utilizing this training program, she has helped to champion 1800+ classroom hours of training for customer service professionals in her region. Brenda serves on the Management & Leadership Division and was appointed to the Board Standing Committee on Diversity Member Inclusion by AWWA President Jim Chaffee in 2013.

After attending Human Resource Management classes at Portland State University, Brenda served as a Human Resource Director in the private sector before joining the water industry. At Tualatin Valley Water District, she serves as Manager of Customer & Support Services. This includes oversight of customer service, billing, and the risk management program for the second largest water utility in Oregon.

Brenda lives in Warren, Oregon with husband Jerry and shares her competitive barrel racing passion with daughter Michele. She is also passionate about her career knowing that we are providing safe drinking water which is crucial for the life of our children, families, and communities. This passion has been recognized by her section as Brenda was the recipient of the Heart and Soul Award in 2005 and Powell Lindsey Citation in 2013.

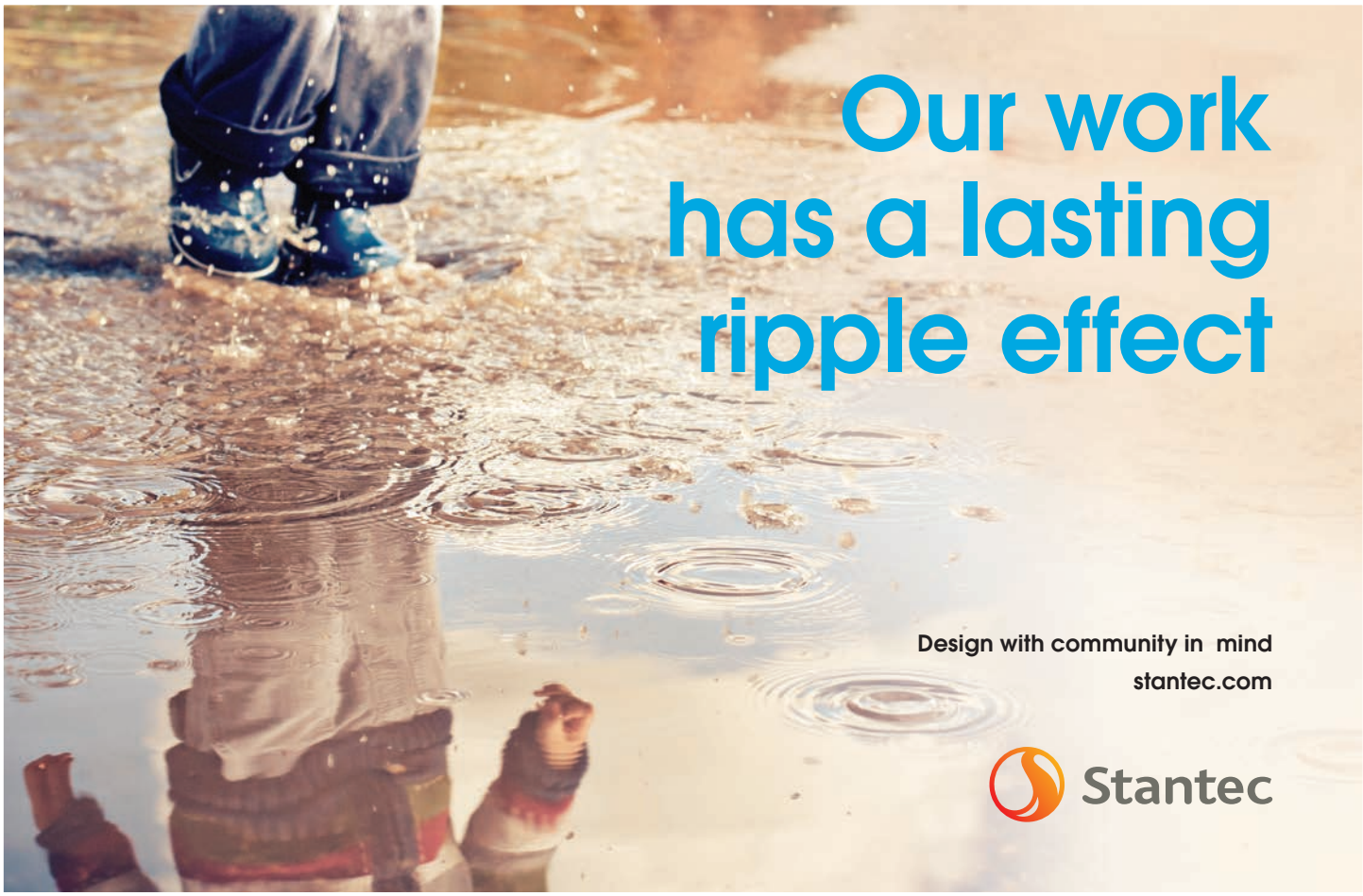
Hear, Ye! Hear, Ye! Methods of Public Notification

by LeeAnn Tillotson, North Dakota Department of Health

Just as in the past when the town crier spread the word of pertinent events to the local population by declaring the news publicly in a loud voice, situations occur today which require an efficient way to inform the public of important information. Public notification has always been a part of the Safe Drinking Water Act. The original Public Notification Rule has been periodically revised by the Environmental Protection Agency (EPA) to adapt the form, manner and timing of the notices to the relative risk to human health and to allow necessary changes due to recent EPA regulations and rule-related updates. The revised rule makes notification easier and more effective for water systems that must do the notification and their customers.

The Public Notification Rule is intended to ensure that consumers will know if there is a problem with their drinking water. These notices alert consumers if there is a serious problem with their drinking water that may pose a risk to public health. They also notify consumers if the water does not meet drinking water standards, the water system fails to test the water, or if the system has been granted a variance (use of technology) or an exemption (more time to comply with a new regulation).
Public water systems are required to test regularly to make sure that no contaminant is present at levels which may pose a risk to human health. When allowable contaminant levels are exceeded or other unexpected events that disrupt routine sampling or production/distribution of drinking water occur, people who drink the water have a right to know what happened and what they need to do.

According to the public notice requirements of the Safe Drinking Water Act, public water systems must notify their customers when they violate EPA or state drinking water regulations (including monitoring and some reporting violations); or when a situation occurs that may compromise the drinking water (such as flooding of a well, loss of pressure to the distribution system or interruption of water treatment) thereby creating a potential risk to consumer health. EPA and the state set strict requirements on the form, manner, content and frequency of public notices.



Notices must contain a description of the violation or circumstance that occurred, including the potential health effects, the population at risk and if alternate water supplies need to be used; what the water system is doing to correct the problem; action consumers can take; when the violation/situation occurred and when the system expects it to be resolved; how to contact the water system for more information; and standard language encouraging broader distribution of the notice.

When a public water system receives a drinking water violation, a public notice template is included in the violation letter from the Department of Health Drinking Water Program (DWP). In the event of a special circumstance that occurs within a system such as flooding of a well, or loss of pressure to the system, the DWP will also develop a template for a drinking water advisory. Each template includes mandatory statements and required language necessary to inform consumers about the situation that occurred. The template has areas for the public water system to describe the event and the corrective actions that are planned or have taken place. Local contact information must also be inserted into the public notice to ensure that consumers' questions are answered in a timely manner.

Public notification must be performed within a certain timeframe depending on the severity of the violation or situation. The timeframe may be as short as 24 hours for the most serious violations, and up to a year in other circumstances. The required public notification timeframe is always clearly stated on the Proof of Public Notification form that is included with the violation letter, or another form of correspondence from the DWP.

Depending on the population served and the severity of the violation, public notification is provided to consumers by mail or direct delivery; and any other method that may reasonably reach persons served who do not receive a bill. These methods may include use of appropriate broadcast media, such as radio or television (for the most serious situations); publication in a local newspaper; delivery of multiple copies for distribution to those in apartment buildings or large places of employment; posting notice in public places or on the Internet; and/or delivery to community organizations.

The final step in public notification is certifying to the DWP that the required public notice has been accomplished. The Proof of Public Notification form must be completed and submitted to the DWP by the due date indicated on the form. Copies of each type of public notice distributed must be submitted as well.

While the methods of notifying the public have changed over the years, one thing has remained the same. Open and honest communication with consumers regarding unexpected events that occur within their public water system is important and helps develop their confidence in your hard work and in the quality of water they receive on a daily basis.

If you have questions concerning public notice requirements, please contact LeAnn Tillotson at 701-328-5293.

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AWWA Board of Trustees Meeting Minutes

May 13, 2014, 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 13, 2014. Present at the meeting were Chair Jason Sorenson; Director Larry Thelen; Trustees Meredith Quinn, Mike Berg, Murthy Kasi, Wade Hesch; Secretary/Treasurer David Bruschwein; and Assistant Secretary/Treasurer Greg Wavra. Others attending the meeting were Dustin Dale, Mark Peterson, Dean Sletten, and Keri Schiferl.

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

Secretary's Report

The Secretary's Report was presented by Mr. Bruschwein. Mr. Kasi moved to approve the minutes of the January 22, 2014 Board Meeting. Mr. Hesch seconded the motion. The motion carried.

Treasurer's Report

Mr. Wavra presented the Treasurer's Report. As of May 12, 2014, the Section had income of $15,189.23 and expenses of $3,768.39. The Section has $41,937.47 in the checking and money market accounts. The Section also has $84,178.15 in student support endowments and reserve accounts. Mr. Thelen moved to accept the Treasurer's report. Ms. Quinn seconded the motion, and the motion carried. There was discussion on the new format of the report. Mr. Wavra also reported that the Form 990 has been submitted to the IRS for 2013.

Committee Reports

Education and Research Committee

Science Fair–Mr. Dale reported on the North Dakota Section providing two judges for the State Science Fair. The Junior Division winner was Alyssa Kemp from the Valley Edinburg School District. Her project was titled "An Evaluation of Erosion Control – Reducing Sediment in our Streams." The Senior Division winner was Katie Baumgartner from the Strasburg School District, her project was titled "Solar vs Distilled." Both received a cash award of $75.00 and a certificate.

Surface Water Workshop - Ms. Quinn reported that the Surface Water Workshop was well received. She reported that there were 179 actual attendees with 17 walk-ins and eight poster exhibits. Ms. Quinn expected a total income from the conference of $31,850.00 with a few outstanding registrations. Not all of the expenses for the workshop are in yet.

YP/Student Chapter–Mr. Kasi presented the YP report. Mr. Bruschwein reported that NDAWWA is working on the YP page for the NDAWWA website. Murthy is still working on creating an updated calendar and budget. The group has changed the frequency of the conference call from every month to every other month. This year, they will have five articles for the NDWPCC *Official Bulletin*.

There was discussion on the best way to handle the student memberships. The old method resulted in a long lag from when applications were submitted until AWWA processed the applications. The current method isn't working well as was shown with a drop in the student membership numbers at NDSU. The topic will need to be discussed more at the NDWPCC.

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PR Committee–Nothing new that hasn't already been covered.

Water for the People Committee-Nothing new to report.

Membership Committee
Currently, the Section has 240 total members; of those 16 are late on their dues. The Section is also participating in the Trustee Membership Challenge. The goal is to retain 66 percent of the first year members and for each Trustee to bring in a new member.

Water Utility Council (WUC)
Wade Hesch and Brett Jochim attended the Fly-In April 1 and 2, 2014. Approximately 140 people attended this year. Mr. Hesch provided a brief report of the topics discussed.

Director's Report
The AWWA Conference and Exhibition (ACE) is coming in June. Mr. Thelen reported that the two AWWA presidential candidates will give 5-minute presentations at ACE. The AWWA Board Policy manual is in the process of being updated and is out on the AWWA website for review. The AWWA visiting officer will be AWWA Vice-President Brenda Lennox.

Old Business
Mr. Bruschwein requested that information from the nomination committees for the NDWPCC be provided to him by late July or early August.

Mr. Kasi attended the Regional Meeting of Section Officers. There were about 35 members who attended the meeting. One of the topics discussed was how the conferences are implemented. Murthy also reported that AWWA has started a new chapter in India that has a 5-year trial period.

Mr. Thelen, Mr. Brett Jochim and the student poster winner, Adam Zach, will be attending ACE.

NDAWWA will host the RMSO in 2016. A location that has good access will need to be selected. A reception will also need to be planned. AWWA will provide $35 per person for the reception, and NDAWWA will be expected to pay for the rest of the cost of the reception.

Mr. Bruschwein reported that the press release with the proclamation declaring May 4-10 as Drinking Water Week in North Dakota was sent out last week and a photo was taken with the Governor.

There was no other old business.

New Business
Mr. Wavra reported that Shawn Heinle is interested in attending summer training.

Ms. Quinn is putting together training for the NDWPCC Fall Conference. A discussion was held on a call for papers from vendors and suggestions for training ideas for small systems. Mr. Dale suggested drought management plans as a possible topic for the training.

Mr. Bruschwein indicated that this year AWWA applied for and was awarded two EPA grants as partners with Rural Community Assistant Partnership (RCAP) and Environmental Finace Center (EFC). The plan has yet to be developed on how the training will be delivered in North Dakota. AWWA will be looking for a commitment from the local sections in July. Mr. Bruschwein indicated that he would pass along details as they come.

Ms. Quinn discussed the Community Engineering Corp.

Ms. Quinn brought up a service project that was scheduled by the YP committee but was not covered by the AWWA national insurance. Ms. Quinn pointed out that, in the future, for service projects we will need to know who is working and how to cover them with insurance. She suggested possibly having a partner committee that has insurance coverage.

There was no other new business.

Mr. Hesch moved to adjourn. Mr. Kasi seconded the motion and the motion carried.

Respectfully submitted,

David Bruschwein
Secretary-Treasurer

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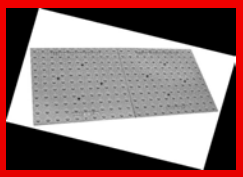
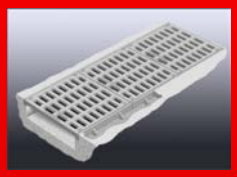


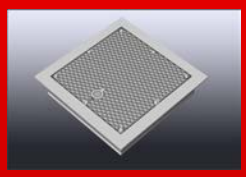
Trench Grating



Paving Rings

Tree Grating

Access Hatches



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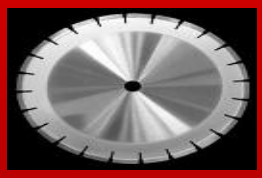

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NDWPCC JOINT BOARD MEETING MINUTES

May 22, 2014,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 13, 2014, in the Nautilus Room of the Seven Seas Inn, Mandan, N.D. The following board members and guests were present: Chuck Abel, Mike Berg, Terry Boehm, Mike Brisben, Dustin Dale, Joe Ferguson, Bill Gefroh, Dallas Grossman, Dale Heglund, Jeff Heintz, Wade Hesch, Jeff Hruby, Barry Johnson, Murthy Kasi, Wei Lin, Seth Lynne, Lance Meyer, Wayne Offerdahl, Karla Olson, Melanie Parvey, Colleen Peterson, Mark Peterson, Michael Quamme, Meredith Quinn, Karl Rockeman, Terry Rust, Dean Sletten, Jason Sorenson, Matt Sperry, Gregg Stewart, Larry Thelen, Jess Wagner, Don Wald, Greg Wavra, Chad Zander, and Gary Zuroff.

The meeting was called to order at 10:33 a.m.by NDWPCC President Dean Sletten. Copies of the meeting agenda and NDWPCC January 1 - April 30, 2014 financial report were provided to those in attendance.

President Sletten called for a motion to dispense with the reading of the minutes from the January 22, 2014 joint board meeting and approve the minutes mailed to each board member. Wade Hesch so moved, Matt Sperry seconded, and the motion carried.

Next, President Sletten called for the Treasurer's Report. Mike Brisben reported that the NDWPCC had a net loss of $34,427.32 from January 1 - April 30, 2014 and total assets of $65,464.06. Larry Thelen asked the reason for the loss. Mr. Brisben noted that a deposit for approximately $9,500.00 was made on May 12, 2014 and that the conference was waiting for a reimbursement request of $31,000 from the Bank of North Dakota for the ND Department of Health Operator Expense Reimbursement Program. Bill Gefroh asked how the conference fared in Grand Forks. Mr. Brisben reported that with the support of the city of Grand Forks and the Grand Forks CVB the conference netted about $6,000.00. President Sletten called for a motion to approve the Treasurer's report. Seth Lynn so moved, Barry Johnson seconded, and the motion carried.

Municipal Services

- Wastewater Systems
- Water Systems
- Streets and Storm Sewers
- Wetland Delineation/Mitigation
- Solid Waste/Landfills
- Site Grading and Drainage Plans
- Flood Control
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Next, President Sletten called for topics and presenters for the fall conference. Colleen Peterson noted that NASECA-ND had compiled a list and that Greg Davis would be presenting on the EPA stormwater regulations. Terry Rust indicated that presentations on enforcement action in western North Dakota and a report on the Casselton train derailment would be of interest. Mr. Brisben asked the joint boards to provide a list by June 1, 2014.

Next, President Sletten asked for an update on the 2018 conference. Mr. Brisben read a letter from Hazel Sletten, Utilities Director, Grand Forks Water, asking the joint boards to consider Grand Forks as an alternate host for the 2018 conference and to consider adding Grand Forks to the annual rotation. Mr. Brisben noted that the proposal was being considered due to the late dates (October 30, 31 and November 1, 2018; available in Bismarck. Mr. Rust asked what the lead time was to schedule the annual conference. Mr. Brisben indicated that the timeframe for a mid-October conference was five to six years out. Larry Thelen made a motion to accept the Grand Forks offer to host October 15-17, 2018. Meredith Quinn seconded. Next, further discussions ensued regarding host rotation in regard to the Minot location. Lance Meyer and Dale Heglund supported the Minot rotation. Seth Lynne noted there was a motion, and the meeting should get back on track. President Sletten called for a vote to accept the Grand Forks offer, and the motion carried.

Moving on, President Sletten called for a discussion on the 2019 conference. Jeff Heintz made a motion for Bismarck to host in 2019. Bill Gefroh seconded. Mr. Brisben noted that the only dates available for a Tuesday, Wednesday, and Thursday schedule were October 29-31, 2019. President Sletten called for a vote. Board members did not vote in favor or oppose. Mr. Lynne recommended the motion be tabled until the next meeting. Mr. Thelen suggested that the boards be more flexible if Bismarck were to be chosen in 2019. Joe Ferguson indicated that the Tuesday, Wednesday, and Thursday schedule was more convenient for small system operators who might have to work the weekend.

Mr. Thelen indicated 2019 might be an exception and motioned for Mr. Brisben to explore other options with the Ramkota Hotel. Terry Rust seconded and the motion carried.

Next, President Sletten called for any other old business. Hearing none, President Sletten called for a report on the Fargo local arrangement and convention center meetings. Dustin Dale reported that two confined space training sessions were discussed. Wayne Offerdahl noted that tentative times of 9:00 a.m. - 12:00 noon and 1:00 p.m. - 4:00 p.m. had been reserved Monday, October 13 at Fargo training facility. Mr. Brisben noted that Eric Dodds is surveying interest for a special project at Rabanus Park for students, young professionals, and conference attendees. Mr. Lynne shared that a student/YP social was being planned offsite. Mr. Dale indicated that the special project may be linked to the social. Mr. Brisben also noted that a block of 175 rooms would be available at the Holiday Inn with a conference rate of $119.00.

Ms. Quinn asked if a study session on, Monday, prior to the operator exams, would be helpful. Mr. Brisben asked if a date had been determined for the NDAWWA Poster Competition noting that in 2010 it was held in the exhibit hall in conjunction with the vendor program.

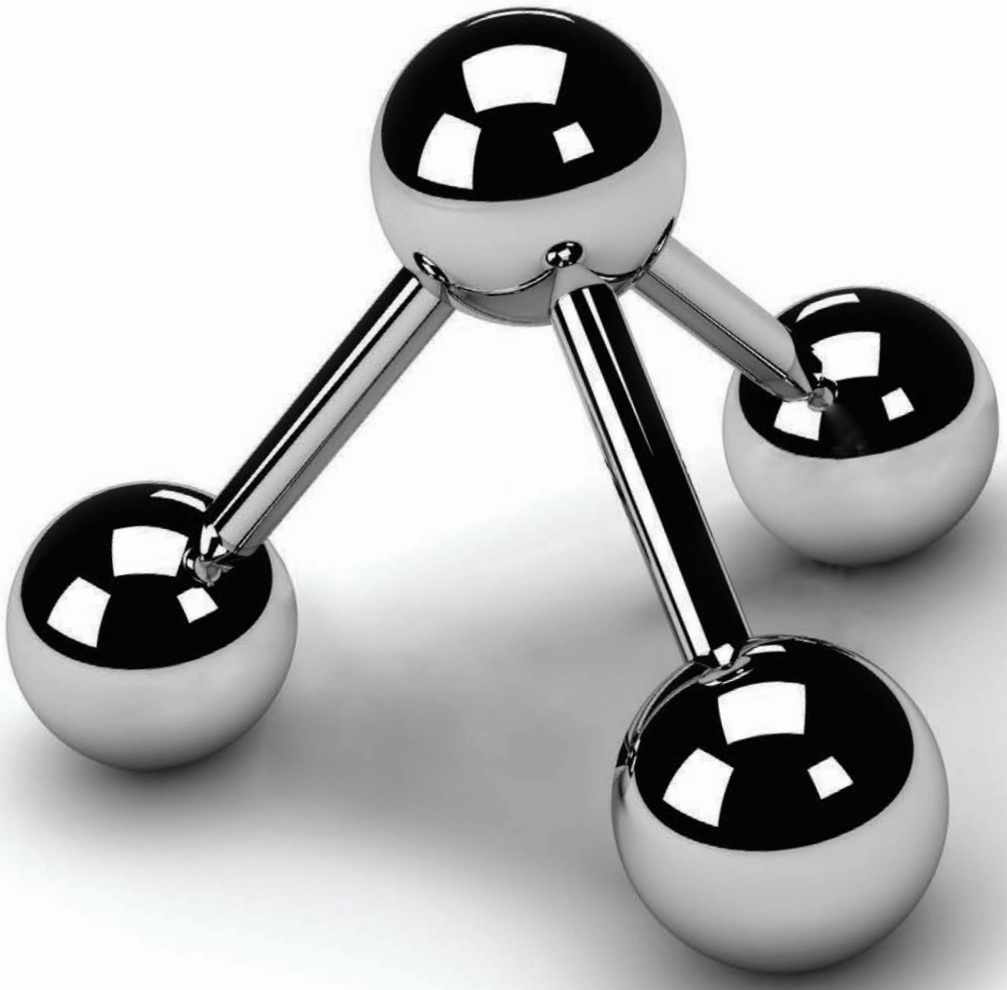
Next, Mr. Brisben reported that 358 operators attended the 2014 spring training sessions. Operators wrote 256 exams and had a passing rate of 72 percent. Mr. Brisben also indicated that the exhibit, sponsor, and presenter mailing was scheduled for the first week in June.

Next, President Sletten called for any other new business. Wade Hesch asked if discussion on the Minot location could be reopened. Mr. Rust reminded the members that Minot was put into the rotation to make it easier for an operator from the northwest part of the state to obtain continuing education credits. Barry Johnson added that the facilities in Minot needed to be improved or conference attendance could be lower. Mr. Meyer indicated that expansion of the convention center at the International Inn was being discussed.

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

The meeting adjourned at 11:09 a.m. NDCAPWA can be thanked for the refreshments and noon luncheon.

Respectfully submitted,
Mike Brisben,
Secretary/Treasurer



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AWWA Board of Trustees Meeting Minutes

January 22, 2014, Mandan, North Dakota

The winter meeting of the North Dakota Section of the American Water Works Association was held at the Seven Seas Inn of Mandan, N.D. on January 22, 2014. Present at the meeting were Chair Jason Sorenson; Chair-elect Dennis Larson; Director Larry Thelen; Trustees Meredith Quinn, Mike Berg, Murthy Kasi; and Secretary/Treasurer David Bruschwein; Assistant Secretary/Treasurer Greg Wavra. Others attending the meeting were Dean Sletten, Shawn Heinle, Dustin Dale, and Mark Peterson.

The meeting was called to order by Mr. Sorenson at 7:45 a.m.

Secretary's Report
The Secretary's Report was presented by Mr. Bruschwein. Mr. Berg moved to approve the minutes of the October 22, 2013 Board Meeting. Ms. Quinn seconded, and the motion passed.

Treasurer's Report
Mr. Wavra presented the Treasurer's Report. As of December 31, 2013, the section had income of $28,052.73 and expenses of $19,535.98. This leaves an overall profit for 2013 of $8,516.75. The section has $29,688.75 in the checking and money market accounts. The section also has $84,178.15 in student support endowments and reserve accounts. There was discussion on the finances for 2013. The Section had lower expenses in 2013 than in a normal year because Mr. Thelen did not attend the ACE, Moore Engineering covered Mr. Sletten's participation at the ACE to receive his Fuller Award, and the poster award winner was very frugal with her participation at Annual Conference Exhibition (ACE). There were also discussions on how to streamline the reimbursement to the student chapter. Mr. Thelen moved to accept the Treasurer's report. Mr. Kasi seconded and the motion carried.

Committee Reports
Education and Research Committee (Ms. Quinn)

Science Fair - The State Science and Engineering Fair will be April 3-4 at UND. We are providing two certificate awards to each of the six regions this year with an AWWA giveaway. We are also providing certificates for the state fair and a $75 cash award for the Junior and Senior division Best Project Related to Drinking Water Quality. Typically, NDAWWA provides two judges to judge this award at the state competition. Fred Goetz and Ms. Quinn will find judges for the day. Murthy will work with UND to find student judges for the event. Judges sign-up is online this year. If anyone is interested in judging, please let Ms. Quinn know and she'll send you a link.

Surface Water Treatment Workshop–Planning continues. The next call will be February 6 at noon. New this year, we'll offer registration online through MNAWWA. We also intend to send registration forms to all NDAWWA membership. The location this year is new to the Surface Water Workshop but not to NDAWWA. We will have the workshop at the Holiday Inn in Fargo. An agenda is being distributed.

Poster competition–In the future this will be a YP Committee report. Adam Zach has already been in touch to make arrangements for ACE in Boston. Murthy and Michael Quamme will coordinate *Official Bulletin* articles for the top poster winners for June (or sometime in 2014). They still need to decide how they will edit articles and/or gather a list of volunteers who will review submitted articles before they're sent to the *Official Bulletin*.

Official Bulletin Article–the YP committee is submitting articles for the *Official Bulletin*. Ms. Quinn would like to begin collecting articles from other AWWA members for the *Official Bulletin* and am looking for feedback from Trustees.

NDWPCC Presentations–The University/YP Day worked well last year. Ms. Quin will ask Murthy to get feedback from students since we didn't see an evaluation form after the conference.

Operator Training Manual–With the creation of the YP Committee, Ms. Quinn's yearly task list is conferences, Science Fair, and OB content. She has not forgotten the Operator Training Manual. It is on my task list but will most likely not make a big showing until the time is right, and the right people are in place to help create it.

YP/Student Chapter-Mr. Kasi reported that the chapter now has a LinkedIn page and a Twitter account and would like to have a YP page on the NDAWWA website. The poster competition in the future will have two tracks: a water track where the winner is sponsored by NDAWWA to attend the ACE, and a wastewater track where the

winner gets $100. Currently, there are 54 members that qualify as YP. Murthy is working on creating a calendar and a budget for the YP committee. The group does do a monthly conference call.

Membership Committee
Mr. Sletten reported the Section is at 246 members, including 11 that are late on their dues.

Water For the People
Mr. Bruschwein reported that the Section raised $7,385. The goal of the committee was to again raise at least $5,000 to attain the level of country sponsor.

Public Relations
Ms. Quinn reported that the PR committee is working hard on the Surface Water Workshop.

Water Utility Council (WUC)
Mr. Peterson reported the council is preparing for the upcoming Fly-In.

Director's Report
Mr. Thelen presented the Director's Report.

Old Business
The Section received a thank-you letter from Rodney Kalis (2013 Operator Meritorious winner).

There was no other old business.

New Business

Chair Sorenson appointed the following committees with the Board's approval;

Trustee – Mr. Sletten (chair), Ms. Quinn, and Mr. Larson
Fuller – Mr. Brett Jochim(chair), Mr. Sletten, Ms. Quinn, Mr. Stockert, Mr. Bruschwein
Operator Meritorious – Mr. Sletten (chair), Mr. Wavra, Mr. Kasi
Director – Mr. Thelen and Ms. Lisa Ansley

The Regional Meetings of Section Officers (RMSO) will be held in Des Moines, IA on April 4 and 5. Mr. Murthy expressed an interest in attending.

The North Dakota Section will host the RMSO in 2016. Chair Sorenson appointed the following committee with the Board's approval: Ms. Quinn, Mr. Wavra, Mr. Dale, Mr. Sorenson, Mr. Heinle, and Mr. Bruschwein.

Ms. Quinn moved to give the same amount in donations to organizations as was done in 2013. Mr. Thelen seconded the motion, and the motion carried.

Mr. Murthy moved to allocate $1,000 for promotional AWWA items for booth giveaways. The motion was seconded by Mr. Larson. The motion carried.

Drinking Water Week is May 4-10, 2014. The Section will arrange a Governor Proclamation signing photo and a press release. The Section will not place an advertisement in state newspapers this year.

Mr. Thelen moved to add the YP committee to the second-year trustee portfolio in the trustee committee rotation policy. The motion was seconded by Mr. Bruschwein, and the motion passed.

Mr. Thelen moved to add Mr. Heinle to the Section checkbook and remove Mr. Thelen from the checkbook. The motion was seconded by Ms. Quinn, and the motion carried.

The group consensus was to continue the tradition of holding the New Trustee Training the evening before the Winter Board Meeting.

After discussion with the new trustees and the Board, it was decided to have Mr. Berg as the second-year trustee and Mr. Kasi as the first-year trustee.

Mr. Thelen motioned to adjourn. Ms. Quinn seconded. The meeting adjourned at 9:50 a.m.

Respectfully submitted,

David Bruschwein
Secretary- Treasurer

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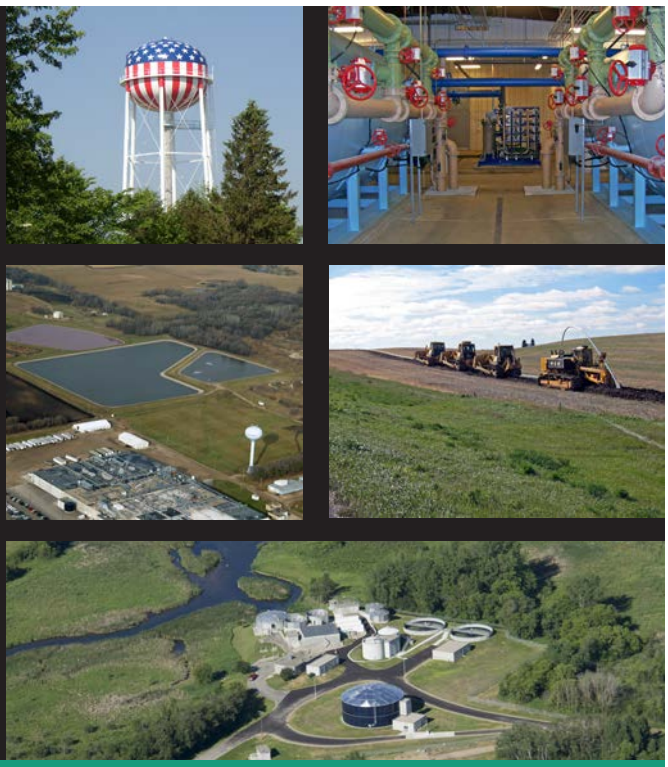

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JOINT MEETINGS OF THE

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE
86TH ANNUAL CONFERENCE

NORTH DAKOTA CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION
59TH ANNUAL CONFERENCE

NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION
55TH ANNUAL CONFERENCE

NORTH DAKOTA SECTION OF THE AMERICAN WATER WORKS ASSOCIATION
24TH ANNUAL CONFERENCE

NORTH DAKOTA CHAPTER OF THE NORTH AMERICAN STORMWATER AND EROSION CONTROL ASSOCIATION
2ND ANNUAL CONFERENCE

OCTOBER 14, 15, AND 16, 2014
FARGO, NORTH DAKOTA
HOLIDAY INN
3803 13TH AVE S
701-282-2700

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2014 MEETING SCHEDULE

Monday

3:00 p.m.	**Preconference Meeting** North Dakota Section of the American Water Works Association (NDAWWA) Conference Room

Tuesday

7:30 a.m. - 11:30 a.m.	**Water and Wastewater Operator Certification Examinations** North Dakota Department of Health Conference Room
7:30 a.m.	**Officers Meeting** NDAWWA Frontier Room
8:00 a.m.	**Officers Meeting** North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA-ND) Prairie Room
8:00 a.m.	**Officers Meeting** North Dakota Chapter of the American Public Works Association (NDCAPWA) Embassy A Room
8:00 a.m.	**Officers Meeting** North Dakota Water Environment Association (NDWEA) Embassy B Room
8:30 a.m. - 11:30 a.m.	**Nutrient Criteria Stakeholder's Meeting** Director's Room
9:00 a.m. - 11:00 a.m.	**pH Certification** Mezzanine Suite III
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 Executive Room
10:30 a.m.	**AWWA Committee Meetings** NDAWWA Frontier Room
11:30 a.m.	**Business Meeting** NDAWWA Sterling and Crowne Rooms
1:30 p.m. - 5:00 p.m.	**Concurrent Sessions** Dakota Hall and Harvest Hall

Wednesday

9:00 a.m.	**North Dakota Operator Certification Advisory Committee Meeting** Mezzanine Suite IV
12:00 noon	**Business Meeting** NDWEA Pool Patio
1:30 p.m. - 5:00 p.m.	**Concurrent Sessions** Dakota Hall and Harvest Hall

Thursday

7:30 a.m.	**Annual Public Works Directors and City Engineers Meeting** Mezzanine Suite III
8:00 a.m. - 12:00 noon	**Concurrent Sessions** Dakota Hall and Harvest Hall
12:15 p.m.	**Business Meetings** NDCAPWA and NDWPCC Sterling and Crowne Rooms

FUTURE CONFERENCES

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

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

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

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North Dakota Chapter of the American Public Works Association
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North Dakota Section of the American Water Works Association
North Dakota Chapter of the North American Stormwater and Erosion Control Association
October 14, 15, and 16, 2014, Holiday Inn, Fargo, North Dakota (701) 282-2700

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* ($190.00) ☐ Late Package** ($210.00)

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

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

**Late Package Registration Deadline September 30, 2014

C. INDIVIDUAL MEAL FEES (Included in Package Registration)

Tues. Luncheon ($18.00) _____

Tues. Buffet ($34.00) _____

Wed. Buffet Breakfast (Free) _____

Wed. Luncheon ($16.00) _____

Wed. Evening Banquet ($44.00) _____

Thurs. Luncheon ($18.00) _____

D. GUEST REGISTRATION

First Name _____

Last Name _____

Tues. Luncheon ($18.00) _____

Tues. Buffet ($34.00) _____

Wed. Buffet Breakfast (Free) _____

Wed. Luncheon ($16.00) _____

Wed. Evening Banquet ($44.00) _____

Thurs. Luncheon ($18.00) _____

E. WORKSHOPS – Confined Space Safety Training
(Please indicate attendance)

Yes	No	
		Monday
☐	☐	**9:00 a.m. – 3:00 p.m.**

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

Please bill us _____

Pay by credit card _____

Our check is enclosed _____

MAKE CHECKS PAYABLE TO:

ND Water & Pollution Control Conference or NDWPCC

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 student/YP reception?
☐	☐	Do you plan to attend the pH certification?

H. Fargo Public Facilities Tours (Please indicate attendance)

Yes	No	
		Monday 2:00-4:00 p.m.
☐	☐	Public Works: 402 23rd St. N
☐	☐	Regional Drinking Water Storage and Pumping Facility 5400 63rd St. S
		Tuesday 9:00 – 11:00 a.m.
☐	☐	Public Works: 402 23rd St. N
☐	☐	Regional Drinking Water Storage and Pumping Facility 5400 63rd St. S

I. NDWPCC Service Project (Please indicate attendance)

Yes	No	
		Monday 4:00-7:00 p.m.
☐	☐	Rabanus Park 4315 18th Ave. SW

J. FOR CONFERENCE USE ONLY

Cash _____

Check _____

Charge _____

Pay Pal _____

Date _____

Amount $_____

Invoice # _____

☐ Paid ☐ Entered ☐ Conference Database

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TUESDAY, OCTOBER 14, 2014
AFTERNOON CONCURRENT SESSIONS

11:30 a.m.
Luncheon and Business Meeting, NDAWWA
Sterling and Crowne Rooms
Chair: Jason Sorenson, Presiding
Guest Speaker: Brenda Lennox, Vice President, AWWA, Warren, OR

Welcome: Fargo Mayor Dennis Walaker
NDWEA President: Jessica Wagner

Session A

Dakota Hall
Moderator:

1:30 p.m. Title:	"Minot Water Treatment Plant Hazard Mitigation Project"
Speakers:	Jerry Bents, Flood Control Design Lead, Houston Engineering; Allan Kemmit, Water Treatment Design Lead, Houston Engineering
2:30 p.m. Title:	"Well Failure and Repair"
Speaker:	AE2S
3:00 p.m.	Break, Pool Patio
3:30 p.m. Title:	"Harmful Cyanobacterial Algal Blooms"
Speaker:	Mike Trythall, Environmental Scientist, ND Department of Health
4:00 p.m. Title:	"Evaluation and Maintenance Techniques for Water Storage Facilities"
Speakers:	Doug Klamerus, NACE Level 2 Certified Coatings Inspector, Bolton & Menk, Inc.: James Connor, NACE Level 3 Certified Coatings Inspector, Bolton & Menk, Inc.
5:00 p.m.	Adjourn

Session B

Executive and Board Rooms of Harvest Hall
Moderator:

1:30 p.m. Title:	"Water Quality BMPs"
Speakers:	Jeff Hruby, Water Resources Practice Leader, AE2S: Abbie Beaudry, Graduate Student, UND
2:30 p.m. Title:	"Omaha District Regulatory Briefing-Clean Water Act Jurisdiction"
Speaker:	Patsy Crooke, Project Manager, US Army Corps of Engineers
3:00 p.m.	Break, Pool Patio
3:30 p.m. Title:	"NDSU WEFTEC Design Project"
Speakers:	NDSU AWWA/WEF Student Chapter
4:00 p.m. Title:	"Lake Kampeska Phosphorus Removal Demonstration Project"
Speaker:	Steve Quail, Senior Project Engineer, HDR Engineering, Inc.
5:00 p.m.	Adjourn

Session C

Directors and Conference Rooms of Harvest Hall
Moderator: Terry Boehm, President, NDCAPWA

1:30 p.m. Title:	"FM Area Diversion Project"
Speakers:	TBD
2:30 p.m. Title:	"Making the Fargo Effluent Reuse Facility Run"
Speaker:	Jeff Hoff, System Control Manager, City of Fargo
3:00 p.m.	Break, Pool Patio
3:30 p.m. Title:	"Bringing Your City Maps into the 21st Century"
Speakers:	Amanda Kieffer, Engineer, KLJ; John Wirries, Engineer, KLJ
4:00 p.m. Title:	"Uncovering the Myths, Mayhem, and Magic of Storm Water Retention Ponds"
Speaker:	Brock Storrusten, Branch Manager, Moore Engineering, Inc.
5:00 p.m.	Adjourn

7:30 - 11:30 a.m. Tabletop Display Program,
The Great Hall
8:00 a.m. - 10:00 a.m. Free Breakfast Buffet
The Great Hall

WEDNESDAY, OCTOBER 15, 2014
AFTERNOON CONCURRENT SESSIONS

12:00 Luncheon and Business Meeting, NDWEA
Pool Patio
President: Jessica Wagner, Presiding
Guest Speaker: Paul Bowen, Vice President, WEF, Atlanta, GA

Session A
Dakota Hall
Moderator:

1:30 p.m. Title: "A Historical Look at Municipal Ozone Gas Contacting in North America"
Speaker: Jim Jackson, Director Municipal Sales, Mazzei Injector Company, LLC.

2:30 p.m. Title: "Contracting Certified Water and Wastewater Operators"
Speaker: Shawn Heinle, Environmental Scientist, ND Department of Health

3:00 p.m. Break, Pool Patio

3:30 p.m. Title: "What to do When the Pipes Freeze"
Speaker: TBD

4:00 p.m. Title: "Aquifer Storage and Recovery"
Speaker: Christopher Larson, Water Treatment Project Manager, SEH

5:00 p.m. Adjourn

5:30 p.m. Social Hour, Pool Patio

Session B
Executive and Board Rooms of Harvest Hall
Moderator:

1:30 p.m. Title: "Dickinson's New IFAS WWTP"
Speakers: Gary Zuroff, Public Works Director, City of Dickinson
Karla Olson, Associate/Project Manager, Apex Engineering Group

2:30 p.m. Title: "Evaluation of Anaerobic Digestor Mixing Systems"
Speaker: Susan Danzl, Project Manager, SEH

3:00 p.m. Break, Pool Patio

3:30 p.m. Title: "Moorhead's Combined Nutrient, Odor & Corrosion Reduction"
Speaker: Seth Lynne, Associate, Apex Engineering Group

4:00 p.m. Title: "Collection System Panel Discussion"
Speakers: Jessica Wagner, AE2S
Craig Kubas, KLJ
Gary Zuroff, City of Dickinson

5:00 p.m. Adjourn

Session C
Directors and Conference Rooms of Harvest Hall
Moderator:

1:30 p.m. Title: "Technology and Tools for Managing Your Pavement"
Speakers: Brian Simmons, Project Engineer, Bolton & Menk, Inc.
Mark Schulz, CAD/AMS Coordinator, Bolton & Menk, Inc.

2:30 p.m. Title: "Hazard and Workplace Safety"
Speakers: Wayne Offerdahl, Public Works Supervisor, Wastewater, City of Fargo, Terry Rust, Industrial Pretreatment/Lab Coordinator, City of West Fargo

3:00 p.m. Break, Pool Patio

3:30 p.m. Title: "How to Pump in Small Places"
Speaker: Ken Demmons, Senior Project Manager, HDR Engineering, Inc.

4:00 p.m. "Stormwater Municipal Operations Panel"
Speakers: Colleen Peterson, Basin Electric Power Company, Reed Schwartzkoft, City of Jamestown, Chad Zander, City of West Fargo, Melanie Parvey, City of Grand Forks

5:00 p.m. Adjourn

THURSDAY, OCTOBER 16, 2014
MORNING CONCURRENT SESSIONS

	Session A	Session B		Session C	
	Dakota Hall Moderator:	Executive and Board Rooms of Harvest Hall Moderator:		Directors and Conference Rooms of Harvest Hall Moderator:	
8:00 a.m. Title:	"Stage 2 D/DBPR Road to Compliance Panel Discussion"	8:00 a.m. Title:	"Nutrient Criteria Panel Discussion"	8:00 a.m. Title :	"EPA Stormwater Update"
Speakers:	Lydia Fewless, ND Department of Health, Keith Demke, City of Bismarck, Dave Christianson, Coal Creek Station, Steve Hanson, Southeast WUD, Steve Johnson,	Speakers:	TBD	Speaker:	Greg Davis, Storm Water Program Manager, EPA Region 8
9:00 a.m. Title:	"Revised Total Coliform Rule"	9:00 a.m. Title:	"Wastewater Discharge Permit Overview"	9:00 a.m. Title:	"Minnewaukan Relocation"
Speaker:	Jeni Walsh, Environmental Scientist, ND Department of Health	Speaker:	Marty Haroldson, NDPDES Program Manager, ND Department of Health	Speaker:	Erik Gilbertson, Project Manager, KLJ
		9:30 a.m. Title:	"Future Planning for the Fargo Wastewater Treatment Facility"	9:30 a.m. Title:	"Upcoming Courses in Erosion Control - NDDOT/NDLTAP"
		Speakers:	Jim Hausauer, Wastewater Utility Director, City of Fargo Seth Lynne, Associate, Apex Engineering Group	Speaker:	Matthew Stone Assistant Professor/Construction Management and Engineering, NDSU
10:00 a.m.	Break, Pool Patio	10:00 a.m.	Break, Pool Patio	10:00 a.m.	Break, Pool Patio
10:30 a.m. Title:	"Design of an Integrated Membrane WTP to Treat Sulfates"	10:30 a.m. Title:	"Effluent Filters-A Comparison of Old and New"	10:30 a.m. Title:	"Industrial Cost of Service Modeling in Grand Forks"
Speakers:	AE2S	Speakers:	Dustin Maas, SEH Susan Danzl, SEH John Friel, SEH	Speaker:	AE2S Nexus
11:00 a.m. Title:	"Water Treatment Operational Challenges Overcome"	11:00 a.m. Title:	"Non Dispersibles"	11:00 a.m. Title:	"An Efficient Use of GIS for Stormwater Modeling in the Development of an Implementable CIP"
Speakers:	TBD	Speaker:	Karla Olson, Associate/Project Manager, Apex Engineering Group	Speaker:	Rich Thornton, Senior Project Manager, HDR Engineering, Inc.
		11:30 a.m. Title	"Hauled Waste Challenges"		
		Speaker:	Sarah Waldron, Environmental Scientist, ND Department of Health		
12:00 noon	Adjourn	12:00 noon	Adjourn	12:00 noon	Adjourn
12:15 p.m.	Joint Luncheon and Business Meetings, NDCAPWA and NDWPCC, Sterling and Crowne Rooms of the Great Hall NDCAPWA President Terry Boehm and NDWPCC President Dean Sletten, Presiding Guest Speaker:				

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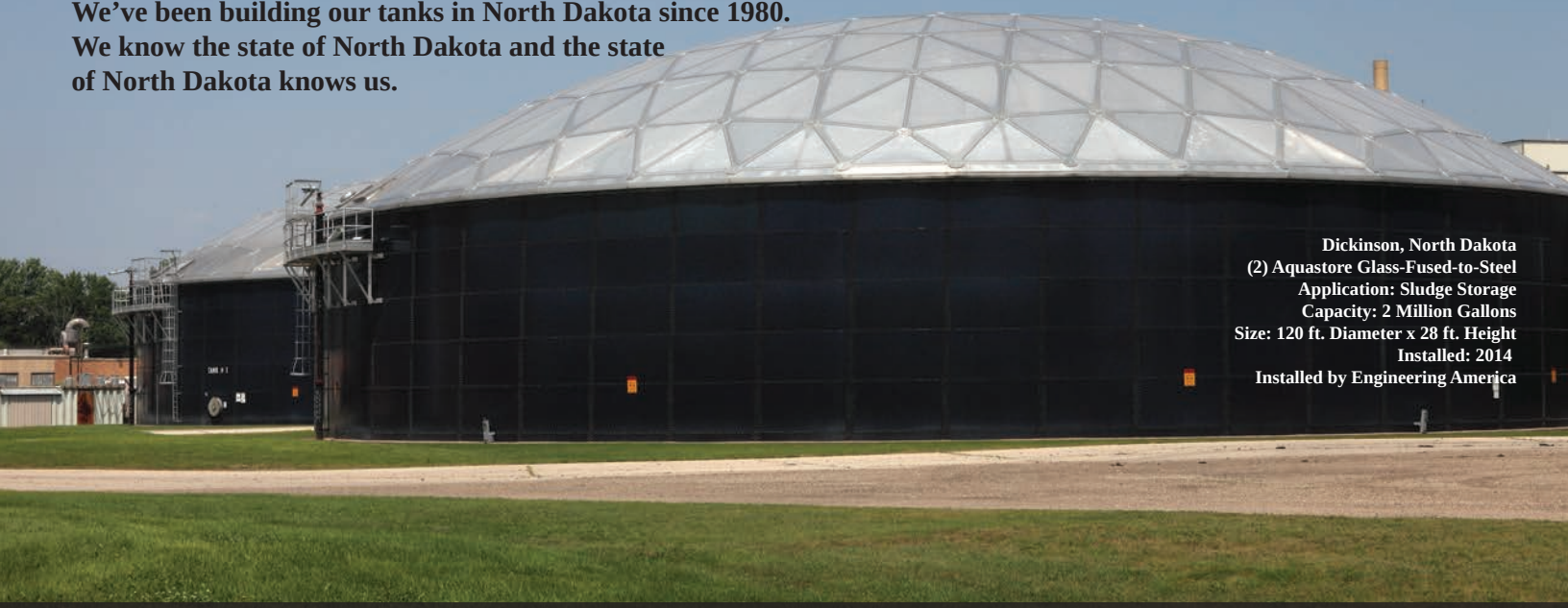

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TABLETOP DISPLAY PROGRAM

OCTOBER 15, 2014
7:30 a.m. to 11:30 a.m.

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

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North Dakota Rural Water Systems Association (NDRWSA) is a non- profit trade association formed in 1974. NDRWSA exists to enhance the quality of life in small communities by providing training, technical assistance, and representation to public water and wastewater utilities while maintaining environmental integrity. We have six field personnel that provide assistance with leak detection, curbstop and valve location, poly-pigging (water & sewer), sewer smoke testing, sewer camera work, operator certification preparation, and much more. The staff at NDRWSA is ready, willing, and able to help 24 hours a day, seven days a week, 365 days a year.

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Chaska, MN 55318 FAX 952-843-5603
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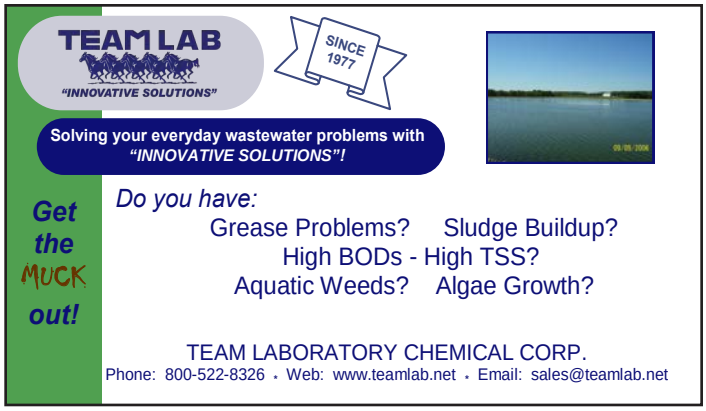

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2) Ask about our 2015 plan to partner with the North Dakota American Public Works chapter to better serve small communities.
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Apex Engineering Group was founded in 2010 by an entrepreneurial group 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.

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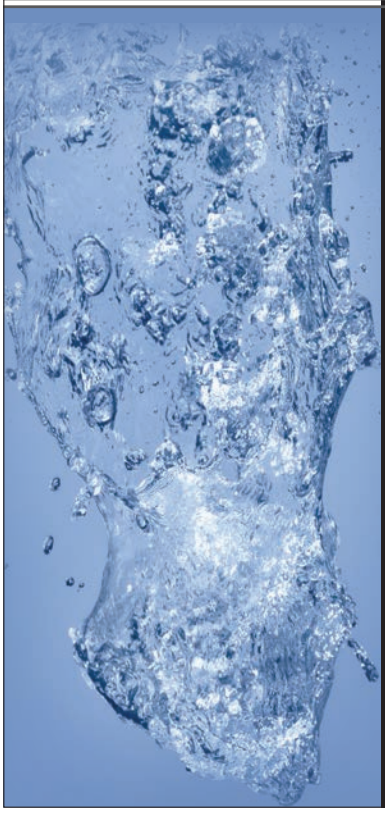

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AE_2S is a specialized civil/environmental consulting engineering firm that provides professional services and our unique brand of extreme client service to clients in the Upper Midwest. AE_2S specializes in water, wastewater, water resources, rural 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, ND; Eagan, Maple Grove, and Moorhead, MN; and Great Falls and Kalispell, MT. For more information, visit www.ae2s.com or AE_2S Facebook.

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kris.sayre@ads-pipe.com

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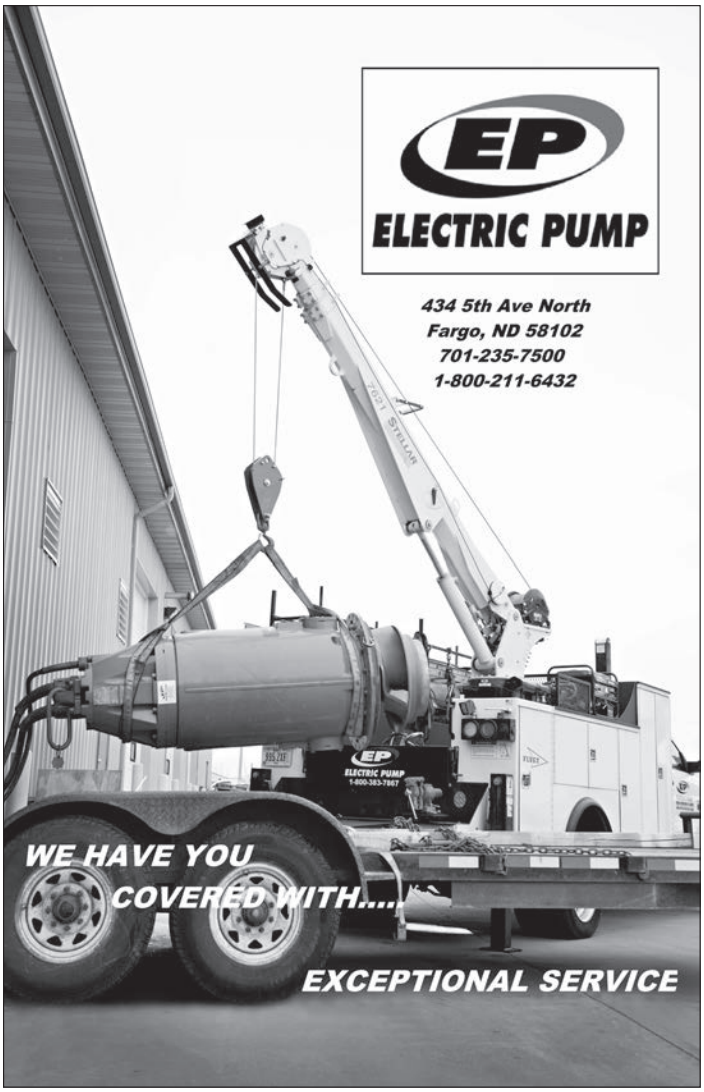

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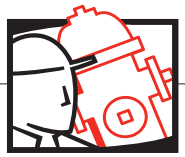

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Flood Protection

The 2011 Mouse River Flood was a tragedy for the Minot community that will never be forgotten, but hopefully never relived.

To prevent the likelihood of future floods, a floodwall/tie-back levee system and modifications to the intake system of the Minot Water Treatment Plant are being developed by Houston Engineering, Inc. and MWH.

Learn more about this project at the ND Water and Pollution Control Conference.

Alan Kemmet, PE

Jerry Bents, PE

- **Minot Water Treatment Plant Hazard Mitigation Project Presentation**
  by Jerry Bents, PE, and Alan Kemmet, PE, from Houston Engineering, Inc.

- **ND Water and Pollution Control Conference**
  October 14-16, 2014
  Fargo, ND | Holiday Inn

HoustonEngineering Inc.

houstoneng.com

CITY OF FARGO PUBLIC WORKS
WASTEWATER TREATMENT PLANT
3400 North Broadway
Fargo, North Dakota 58102
Phone: (701) 241-1454
Fax: (701) 241-8159
Web Site: www.cityoffargo.com

North Dakota Water & Pollution Control Conference

Pre-Conference Workshop

Confined Space Entry Training

Description:

This workshop will provide participants with the information needed to identify confined spaces, to understand the potential hazards of working in confined spaces and the elements necessary to control those hazards.

Upon completion of this workshop attendees will be eligible for 2 CEC's through the North Dakota Department of Health.

When: Monday October 13, 2014. 9:00 am – 3:00 pm. **Lunch will be provided**

Where: Fargo Public Safety Center
4630 15th Avenue NW
Fargo, ND 58102

Instructors: Luke Lindberg, Safety Coordinator, City of Fargo
LeRoy Skarloken, Asst. Chief/Operations, City of Fargo Fire Dept.

Registration Fee: $10.00. Make check payable to NDWPCC

To register, complete form below and mail (along with registration fee check) to the address below:

City of Fargo, WWTF
Attn: Jim Hausauer/Don Tucker
3400 N Broadway
Fargo, ND 58104

Registration Form

NAME: _____

COMPANY: _____

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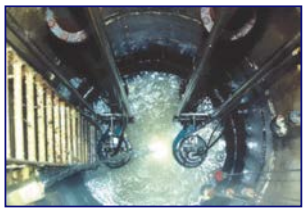

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Drinking Water Program Directory		
Program Administrator	Greg Wavra	701-328-5257
Acrylamide and Epichlorohydrin Rule	Gary Stefanovsky	701-328-5287
Arsenic Rule	Lydia Fewless	701-328-5221
Consumer Confidence Reports	LeeAnn Tillotson	701-328-5293
Disinfectant/Disinfection 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	Jeni Walsh	701-328-5231
Groundwater Rule	Gary Stefanovsky	701-328-5287
Inspections: Northeast	Gregg Stewart	701-328-6621
Inspections: Northwest	Justin Feld	701-328-6624
Inspections: Southeast	Jacob Schafer	701-328-6375
Inspections: Southwest	Shawn Heinle	701-328-6627
Inspections: South Central	Bob Markhouse	701-328-6623
Lead and Copper Rule	Tammy Lamphear	701-328-5295
Surface Water Treatment Rule: Interim Enhanced, Long Term 1 Enhanced, Long Term 2 Enhanced	Mike Trythall	701-328-5269
Microscopic Particulate Analysis (MPA)	Gary Stefanovsky	701-328-5287
Nitrate/Nitrite Program	Lydia Fewless	701-328-5221
Operator Certification	Craig Bartholomay	701-328-6626
Operator Expense Reimbursement/Public Notice Rule	LeeAnn Tillotson	701-328-5293
Operator Training	Mike Brisben	701-328-6622
Pesticides (SOCs)	Lydia Fewless	701-328-5221
Primary and Secondary Inorganics	Lydia Fewless	701-328-5221
Public Water System Updates (changes to source, treatment, contact, etc.)	Tammy Lamphear	701-328-5295
Radionuclide Rule: Gross Alpha, Total Radium, Uranium	Lydia Fewless	701-328-5221
Total Coliform Rule	Jeni Walsh	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	Marty Haroldson	701-328-5234
Animal Feeding Operations	Brady Espe Rachel Fast Jeremy Lang	701-328-5228 701-328-5244 701-328-5219
Biosolids	Marty Haroldson	701-328-5234
Construction Stormwater	Dallas Grossman Luci Snowden Patrick Schuett Dan Webber	701-382-5242 701-328-5239 701-328-5235 701-328-5285
Dewatering and Hydrostatic Testing	Sarah Waldron	701-328-5237
Discharge Monitoring Reports (DMRs)	All Staff	701-328-5210
DMR Quality Assurance (QA) Study	Marty Haroldson	701-328-5234
Industrial Pretreatment	Jeff Roerick	701-328-5240
Industrial Stormwater	Dallas Grossman Luci Snowden Patrick Schuett Dan Webber	701-328-5242 701-328-5239 701-328-5235 701-328-5285
Inspections	All Staff	701-328-5210
Lagoon Overflows/Releases/Spills	All Staff	701-328-5210
MS4 Stormwater	Dallas Grossman Luci Snowden Patrick Schuett	701-328-5242 701-328-5239 701-328-5235
Public Notices/NDPDES Permits	Curt Steier	701-328-5260
Septic Pumper	Sarah Waldron	701-328-5237
Wastewater Discharge Approvals	All Staff	701-328-5210
Central Phone: 701-328-5210		**Fax: 701-328-5200**

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