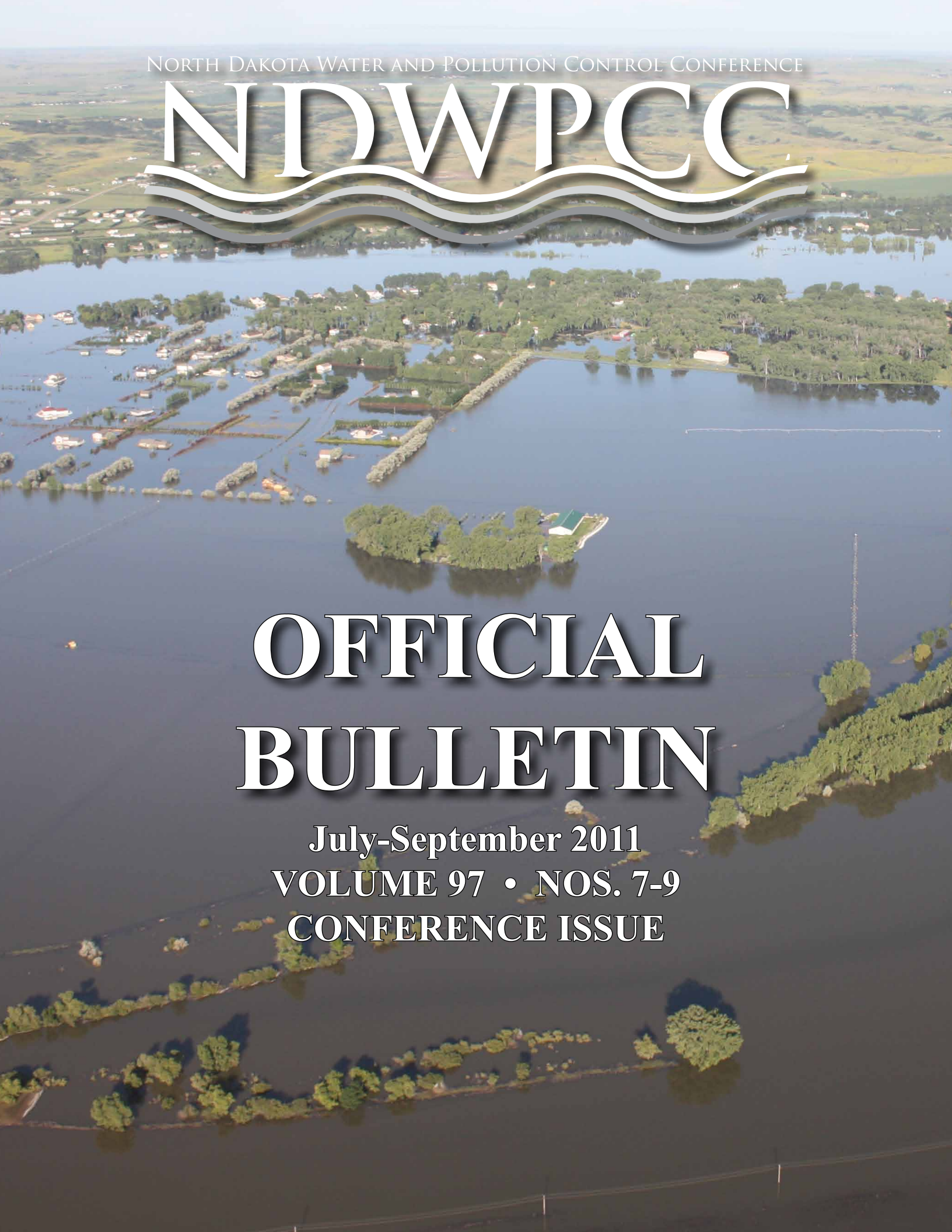


North Dakota Water and Pollution Control Conference

NDWPCC

OFFICIAL BULLETIN

July-September 2011
VOLUME 97 • NOS. 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

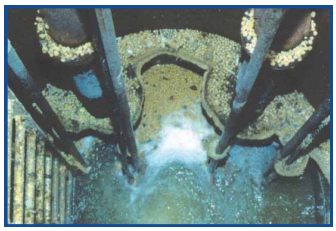
FROM THIS...

...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
Katie Luther

Assistant Editor
Rachel Wolff

Business Manager
Patty Carman

Contributing Authors and Photographers
Mel Bullinger, City of Bismarck
Jeff Heintz, City of Bismarck
Ken Weber, AE_2S
Mark Armstrong, Burleigh County
Drinking Water Program Staff
Operator Certification, Training and Facility Inspections Unit Staff

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

OFFICIAL BULLETIN

Official Publication of the
North Dakota Water and Pollution Control Conference

Conference Issue **Established 1935**

VOL. 97 **July 2011-September 2011** **NOS. 7-9**

PRESIDENT - Chuck Abel
PRESIDENT-ELECT - Karla Olson
VICE PRESIDENT - Bill Gefroh
DIRECTORS - Gary Bracht, Dean Sletten, Dan Jonasson, Seth Lynne
ASSOCIATE DIRECTOR - Kevin Martin
SECRETARY-TREASURER - Mike Brisben

INDEX TO ADVERTISERS

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

FIRM **PAGE**

AE2S, Inc. 21, 59
Apex Engineering Group ..... 56, back cover
Bartlett & West 33
Bonestroo 40
Electric Pump 59
Ellingson Companies 47, 57
Engineering America 39, 51
Fargo Water Equipment, Inc. 52, 59
Ferguson Waterworks 28, 47
Ford Meter Box Company, Inc. 59
Hawkins Water Treatment Group 51
Hobas Pipe USA 44, 56
Houston Engineering ..... inside back cover
Hughes Lift Station Service, Inc. 32
Interstate Engineering 56
Jet-Way Multiple Services, Inc. 34, 53
Kadrmas, Lee & Jackson 41, 48
KLM Engineering, Inc. 40
Moore Engineering, Inc. 34, 49
MVTL Laboratories, Inc. 47
ND Sewage Pump & Lift Station Service Co. Inc 32, 51
Short Elliot Hendrickson Inc. (SEH) 35, 51
Sioux Valley Environmental 55
Team Laboratory Chemical Corp. ..... inside front cover, 59
Thein Well 38
Tonka Water Treatment Systems 27, 34
Treatment Resources Inc. 58
Ulteig 22, 47
Van Bergen & Markson, Inc. 34
Vessco, Inc. ..... 59, inside back cover
Widseth Smith Nolting 33
Wold Engineering, P.C. 56

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**

President's Letter 2
2011 Conference Officers 2
2011 Conference Announcement 3
Missouri River Flood 2011: A Photo Journal 4
2011 Annual Conference Activities 19
Conference Registration Form 20
2011 Meeting Schedule 23
Schedule of Concurrent Sessions 24
Guide to Exhibitors in the Tabletop Display Program 29
2011 Conference Sponsors for Door Prizes, Social Hour, Coffee Breaks and Golf Tournament 34
APWA Membership Application 36
NDWPCC Joint Board Meeting Minutes 37
The 2012 Surface Water Treatment Workshop 38
North Dakota Water Quality Monitoring Conference 41
North Dakota Rural Water Systems Association, 26th Annual Water EXPO 41
Conference History 42
Jim Chaffee, Vice President, AWWA 43
Sandra Ralston, 2010-2011 Board of Trustees, WEF 43
Mapping Ground Water Rule Requirements: Sanitary Survey and Corrective Action 45
Public Utilities and Waterworks Management Institute 50
North Dakota Water Environment Association Executive Committee Meeting Minutes 54
Young Professionals Poster Competition 58
Program Directories 60

To receive the *Official Bulletin* electronically or to no longer receive a paper copy, email Katie Luther at kcluther@nd.gov, or call 701-328-5258.

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

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

President's Letter

CHUCK ABEL
Bismarck
PRESIDENT

Dear Conference Members and Friends of the Conference:
On behalf of the North Dakota Chapter of the American Public Works Association, North Dakota Section of the American Water Works Association, North Dakota Water Environment Association and the North Dakota Water and Pollution Control Conference, I invite you to attend the North Dakota Water and Pollution Control Conference scheduled for October 11, 12 and 13, 2011 at the Ramkota Inn in Bismarck.

With all the environmental events that have occurred this year, the Conference is a "must attend." We have a great agenda planned with many interesting and informative sessions scheduled. We will again have a morning buffet breakfast, a full exhibition hall with venders showcasing their latest products, water taste contest, tours of public works infrastructure, plus the Wednesday evening banquet to recognize our outstanding operators, projects and leaders. Plan to attend to visit with old friends and acquaintances and make new ones at the many social activities.

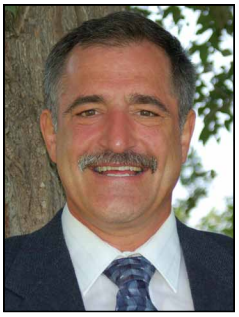
This year I challenge you, as members, to become active in one or more of the organizations that work for you to provide this fine Conference of professional operators, communities and engineering professionals.

Plan to attend your Conference in Bismarck and remember to register early.

Sincerely,
Chuck Abel, President
North Dakota Water and Pollution Control Conference

2011 Conference Officers

KARLA OLSON
Fargo
PRESIDENT-ELECT



BILL GEFROH
Bismarck
VICE PRESIDENT

GARY BRACHT
Bismarck
DIRECTOR

DEAN SLETTEN
Moorhead
DIRECTOR

DAN JONASSON
Minot
DIRECTOR

SETH LYNNE
West Fargo
DIRECTOR

KEVIN MARTIN
Bismarck
ASSOCIATE DIRECTOR

MIKE BRISBEN
Bismarck
SECRETARY-TREASURER

JOINT MEETINGS OF THE

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE
83rd ANNUAL CONFERENCE

NORTH DAKOTA CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION
56th ANNUAL CONFERENCE

NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION
52nd ANNUAL CONFERENCE

NORTH DAKOTA SECTION OF THE AMERICAN WATER WORKS ASSOCIATION
21st ANNUAL CONFERENCE

OCTOBER 11, 12 AND 13, 2011
BISMARCK, NORTH DAKOTA
RAMKOTA HOTEL
800 S. 3rd St
800.937.8376
701.258.7700

OFFICERS

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

Chuck Abel, President·····Bismarck
Karla Olson, President-Elect·····Fargo
Mike Brisben, Secretary-Treasurer ·····Bismarck
Bill Gefroh, Vice President ·····Bismarck
Gary Bracht, Director·····Bismarck
Dean Sletten, Director ·····Moorhead
Dan Jonasson, Director·····Minot
Seth Lynne, Director·····Fargo
Kevin Martin, Associate Director·····Bismarck
Miranda Kleven, Past President·····Grand Forks

NORTH DAKOTA CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION

Shawn Soehren, President·····Dickinson
Dan Jonasson, Vice President·····Minot
Chad Zander, Secretary-Treasurer·West Fargo
Chuck Abel, Executive Secretary····· Bismarck
Rusten Roteliuk, Delegate·····Minot
Rick Gillund, Director·····Enderlin
Lance Meyer, Director·····Minot
Terry Boehm, Director·····Bismarck
Jeff Heintz, Director·····Bismarck
Darin Schaeffer, Past President·····Bismarck

NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION

Karla Olson, President·····Fargo
Don Tucker, President-Elect·····Grand Forks
Wei Lin, Vice President·····Fargo
Bill Gefroh, Secretary-Treasurer·····Bismarck
Bill Gefroh, Delegate·····Bismarck
Wayne Offerdahl,
PWOD Representative·····Fargo
Roger "Skip" Rapp, Past President·····Dickinson

NORTH DAKOTA SECTION OF THE AMERICAN WATER WORKS ASSOCIATION

Dean Sletten, Chair·····Moorhead
Tim Paustian, Chair-Elect·····Fargo
Lisa Ansley, Director ·····Bismarck
Eric Volk, Trustee ·····Anamoose
Jason Sorenson, Trustee·····Minot
Dennis Larson, Trustee ·····Park River
Nancy Huether, Trustee·····Bismarck
David Bruschwein
Secretary-Treasurer ·····Bismarck
Greg Wavra,
Assistant Secretary-Treasurer ·····Bismarck
Duane Friesz, Past Chair ·····Mandan

Missouri River Flood 2011: A Photo Journal

This is just the beginning. Garrison Dam north of Bismarck, mid-May 2011. At this time the dam was releasing approximately 65,000 cubic feet per second (cfs). The maximum release rate was 150,000 cfs in June. Photo by Tammy Lamphear, North Dakota Department of Health.

Bismarck Police Chief Keith Witt surveys the completed grade raise at the Mills Avenue causeway. The water elevation continued to rise until the roadway was nearly overtopped. Photo by Mel Bullinger, city of Bismarck, June 3, 2011.

A city of Bismarck grader blades a wedge of clay material against the HESCO™ barrier dike along Riverwood Drive in Bismarck. Note the flooded parking lot and marina on the river side of the dike. Photo by Mel Bullinger, city of Bismarck, June 3, 2011.

The mid-summer heat stimulated vibrant green algae growth on the 4-foot deep backwater against this dike in south Bismarck. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

Waiting for the rising flood waters, offering an expression of hope for the best. Photo by Jeff Heintz, city of Bismarck.

The storm water gate at this box culvert on South Washington St. was closed to prevent Missouri River waters from backflowing into the community. This necessitated the pumping of any runoff collected in the storm water channel during precipitation events to the downstream side of the gate. The four 18-inch pumps with 275-horsepower engines with a combined pumping capacity of 30,000 gallons per minute (shown in the photo) were rented for this purpose. Photo by Mel Bullinger, city of Bismarck, July 30, 2011.

The typical request to purchase PTO-sponsored candy pales in comparison to this plea. Photo by Mel Bullinger, July 4, 2011

Life-size garden statues seem to be eerily wading in the rising flood waters of Fox Island south of Bismarck. Eventually, the statues were nearly submerged by the rising waters. Photo by Jeff Hintz, city of Bismarck.

As the forecasted river stage continued to climb, the initial HESCO™ barrier along Riverwood Drive was bolstered by adding another row of barriers and stacking a third row on top. Note the seepage occurring in the foreground. The highest river stage eventually resulted in about 4 feet of water against these barriers. Photo by Mel Bullinger, city of Bismarck, June 3, 2011.

The North Dakota National Guard provided essential assistance throughout the flood event, including around-the-clock dike monitoring and repair during the flood. A Quick Response Force was stationed at the Riverwood Golf Course to lead these efforts. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

The Bismarck Public School system provided temporary quarters for North Dakota National Guard at Solheim School in southwest Bismarck to facilitate their dike monitoring efforts. The peak number of soldiers and airmen serving during the Bismarck-Mandan flood fight occurred on June 3 when there were 1,268 guardsmen on duty. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

A Southport resident's mannequin on the front lawn provides a heartfelt and silent salute to the North Dakota National Guard troops laboring away in the background reinforcing a dike to protect Southport homes and property. Photo by Jeff Heintz, city of Bismarck.

On the Cover: *This photo is of a portion of the Hoge/Hogue Island area north of Bismarck. It was taken on July 11, 2011 by Mel Bullinger, city of Bismarck. The historic Missouri River flood of 2011 started in May and continues as this issue of the Official Bulletin goes to press. Releases from Garrison Dam reached a peak of 150,000 cubic feet per second (cfs) in June and have been slowly lowered throughout July and August. At the top of the photo you can see approximately where the original river channel was before the flood.*

The rising Missouri River quickly inundated trees and an old abandoned crane near the Southport addition in Bismarck. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

Geese languish on a log in the foreground while the swollen Missouri River rushes by to the Oahe Reservoir. In the background is the Morton County side of the river south of Mandan. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

Maintaining a sense of humor in the face of adversity. Photo by Jeff Heintz, city of Bismarck.

In contrast to the 2011 photo below, this is a view of the normal water level under the Liberty Memorial Bridge in June 2009. Photo by Mel Bullinger, city of Bismarck.

In late June, 2011 the discharge rate from Garrison Dam was 150,000 cfs. The water level reached major flood stage (19 feet) at Bismarck. Photo by Mel Bullinger, city of Bismarck.

View of Bismarck's horizontal collector well construction site and access road in late August 2009. The Missouri River stage was about 6.1 feet. The arrow in the background points to the site of the HCW. Photo taken from the Liberty Memorial Bridge by Ken Weber, AE_2S.

View of Bismarck's horizontal collector well construction site and access road in late May 2011. The Missouri River stage was 15.77 feet. Eventually in June it exceeded 19 feet, resulting in a river depth approximately 13 feet higher than in the prior photo. Photo taken from the same vantage point as above. Photo by Ken Weber, AE_2S.

The rising Missouri River inundates all but the reinforcing steel (arrow) at the very top of the existing caisson for the new horizontal collector well, currently under construction for Bismarck's water treatment plant. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

A picturesque blue house perches safely atop a little knob of earth, virtually isolated from the rest of the world, and awaiting the arrival of higher floodwaters. Photo by Jeff Heintz, city of Bismarck.

This sheet piling dam (arrow) was privately built to control the water entering the Southport residential area. Water was then pumped out of the bay to lessen the impact of the flood. Photo by Mel Bullinger, city of Bismarck, July 11, 2011.

A view of the Misty Waters area north of Bismarck. The Mandan water treatment plant and Tesoro refinery are visible near the center of the picture. Photo by Mel Bullinger, city of Bismarck, July 11, 2011.

The Briardale area of Bismarck near the University of Mary. Photo by Mel Bullinger, city of Bismarck, July 11, 2011.

Looking northeast toward the Burlington Northern and Grant Marsh bridges. Photo by Mel Bullinger, city of Bismarck, July 11, 2011.

Dangerous currents are clearly visible near the homes of this critically affected Hoge/Hogue Island neighborhood. Photo by Mel Bullinger, city of Bismarck, July 11, 2011.

A view of the flood waters still surrounding homes south of Bismarck near the Prairie Rose School. Photo by Mel Bullinger, July 31, 2011

The Kneifel boat landing recreation area, a Burleigh County Park near the Misty Waters area in north Bismarck, July 29, 2011. By this date the water level had dropped about a foot from the peak. Photo by Mark Armstrong, Burleigh County Commissioner.

Garrison Dam, July 3, 2011. On June 1, 2011, the spillway was opened for the first time since the dam was completed in 1953. Photo by Tammy Lamphear, North Dakota Department of Health.

2011 ANNUAL CONFERENCE ACTIVITIES

REGISTRATION

Tuesday 8:00 a.m. - 5:00 p.m.
Wednesday 8:00 a.m. - 4:00 p.m.
Thursday 8:00 a.m. - 10:00 a.m.
Cloak Room/Entrance Dakota Ballroom

WATER AND WASTEWATER OPERATOR CERTIFICATION EXAMINATIONS

Tuesday 7:30 a.m. - 11:30 a.m.
Room 2160

MEALS

Tuesday Lunch 11:30 a.m.
Courtyard

Tuesday Buffet Dinner 5:00 p.m. - 7:00 p.m.
Courtyard

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

Wednesday Lunch 12:00 noon
Courtyard

Wednesday Social 5:30 p.m.
Courtyard

Wednesday Banquet 6:30 p.m.
Dakota Ballroom

Thursday Lunch 12:00 noon
Courtyard

TABLETOP DISPLAY PROGRAM
Dakota Ballroom

Tuesday 8:30 a.m. - 5:00 p.m.
Check In at the Registration Desk

Tuesday 5:00 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. - 11:30 a.m.
Display Hours

Wednesday 11:30 a.m. - 1:30 p.m.
Takedown Time

STUDENT AND YOUNG PROFESSIONAL'S RECEPTION

Tuesday 7:00 p.m. - 9:00 p.m.
Buffalo Wild Wings
1501 42nd St. S.

GOLF TOURNAMENT

Tuesday 1:00 p.m.
Hawktree Golf Club

FIELD TRIPS

Wednesday 9:30 a.m.
Bismarck/Mandan Municipal Facilities
Transportation will be provided at door # 4 west of the Dakota Ballroom

LOCAL ARRANGEMENTS COMMITTEE

Keith Demke	Mike Berg
Bill Gefroh	Kevin Martin
Lisa Ansley	Darin Schaefer
Sarah Volk	Steve Himmelspach
Mel Bullinger	Gale Nicholson
Charlie Jaszkowiak	Jeron Fueller

REGISTRATION FORM

COMPLETE AND RETURN TO:

NDWPCC
918 E. DIVIDE AVE. 3RD FL
BISMARCK ND 58501-1947
PHONE: 701-328-6622

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
October 11, 12 and 13, 2011, Ramkota Hotel, Bismarck, North Dakota (701) 258-7700

Write in Costs

A. PACKAGE REGISTRATON ($150.00)

Includes all fees for registration
banquet, buffet and noon luncheons _____

PACKAGE REGISTRATION
AFTER SEPTEMBER 23, 2011
($170.00) _____

B. INDIVIDUAL COSTS IF PACKAGE NOT SELECTED

Registration ($60.00) _____

Student Registration ($10.00) _____

Tues. Luncheon ($13.00) _____

Tues. Evening Buffet ($21.00) _____

Wed. Buffet Breakfast (Sponsored by Tabletop Exhibitors)

Wed. Luncheon ($12.00) _____

Wed. Evening Banquet ($37.00) _____

Thurs. Luncheon ($12.00) _____

C. SPOUSE/GUEST

Name_____

Please include any meals your spouse/guest
is planning to attend:

Tues. Luncheon ($13.00) _____

Tues. Buffet ($21.00) _____

Wed. Breakfast (Free) _____

Wed. Luncheon ($12.00) _____

Wed. Banquet ($37.00) _____

Thurs. Luncheon ($12.00) _____

D. **TOTAL PAYMENT DUE** _____

Please bill us _____

Pay by credit card _____

Our check is enclosed _____

MAKE CHECK PAYABLE TO:

NDWPCC or ND Water & Pollution Control Conference

E. PLEASE 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.

Yes ☐ No ☐ Do you plan to participate in the golf tournament starting at 1:00 p.m. on Tuesday?
Your average score or handicap _____.
The golf course will be charging a green and golf cart fee.

Yes ☐ No ☐ Do you plan to attend the Student and Young Professionals reception on Tuesday?

Yes ☐ No ☐ Do you plan to participate in the field trips to Bismarck/Mandan municipal facilities on Wednesday morning?
Transportation will be provided.

F. USE ONLY ONE NAME PER REGISTRATION
(Make copies if more are needed)
(PLEASE PRINT)

Name_____

Address_____

City, State & Zip Code_____

_____
Your Name/Position/Job Title
To Be Used on Name Badge

_____

_____

Employer_____

Work Phone No. _____

Fax Phone No. _____

Email Address_____

G. **FOR CONFERENCE USE ONLY:**

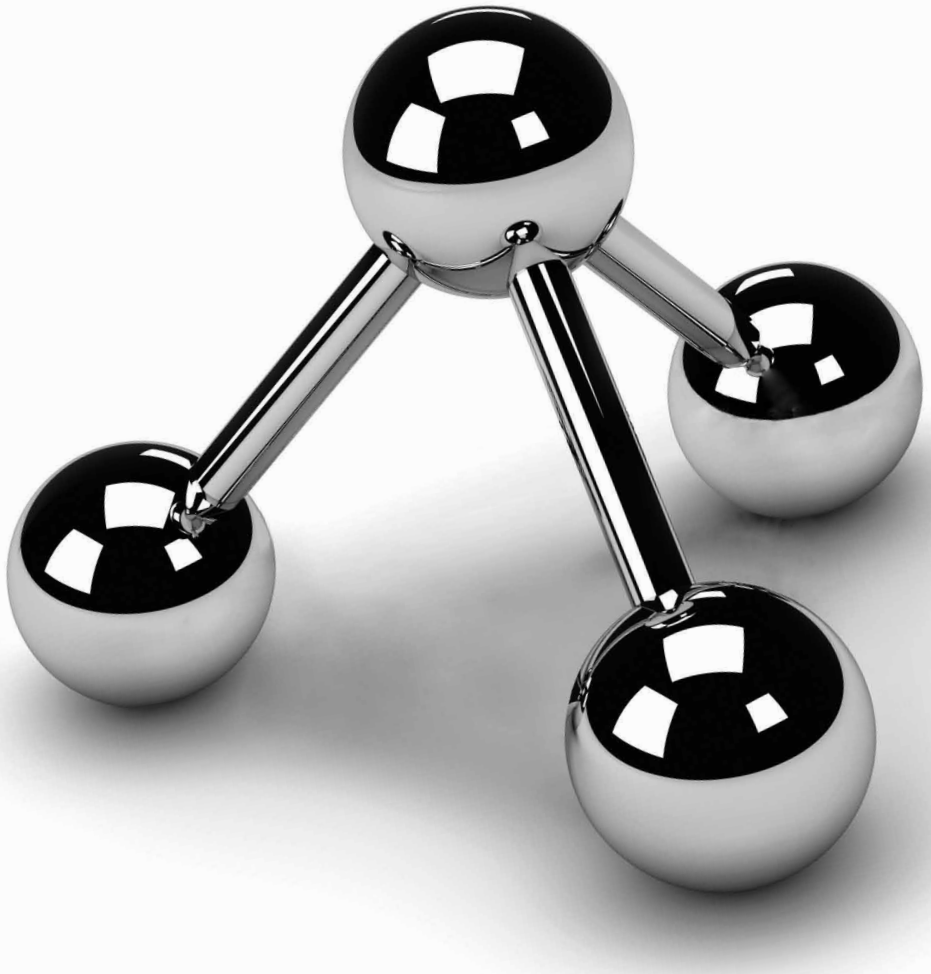
Check # _____ **Cash** _____

Credit Card _____ **Charge** _____

Date _____

Paid ☐ **Entered** ☐

Conference Database ☐



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.

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

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

AE2S®
Think Big. Go Beyond.

Industry-Leading Expertise

Ulteig's water engineers deal with the natural resources of our environment, both in management capacities for present needs and safety and in planning for the future of available resources. Working in the field of hydrology and hydraulics, our experts help to guarantee the availability and quality of public water supplies and the timely handling of excess water, in any of its forms.

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

Bismarck
Cedar Rapids
Denver
Detroit Lakes
Fargo
Minneapolis
Sioux Falls
Williston

Ulteig

www.ulteig.com • 888-858-3441

Engineering, Surveying, and Consulting Services

2011 MEETING SCHEDULE

Monday

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

Tuesday

7:30 - 11:30 a.m.	**Water and Wastewater Operator Certification Examinations** North Dakota Department of Health Room 2160
7:30 a.m.	**Officers Meeting** NDAWWA Governor's Room
8:00 a.m.	**Officers Meeting** North Dakota Chapter of the American Public Works Association (NDCAPWA) Seasons Café I
8:00 a.m.	**Officers Meeting** North Dakota Water Environment Association (NDWEA) Seasons Café II
9:30 a.m.	**Officers Meeting** Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC), NDCAPWA, NDWEA, and NDAWWA Governor's Room
10:30 a.m.	**AWWA Committee Meetings** NDAWWA Governor's Room
11:30 a.m.	**Business Meeting** NDAWWA Courtyard
1:30 - 4:15 p.m.	**Concurrent Sessions** Missouri Room

Wednesday

9:00 a.m.	**North Dakota Operator Certification Advisory Committee Meeting** Room 2160
12:00 noon	**Business Meeting** NDWEA Courtyard
1:30 - 4:30 p.m.	**Concurrent Sessions** Missouri Room

Thursday

7:30 a.m.	**Annual Public Works Directors and City Engineers Meeting** Room 2160
8:00 - 11:30 a.m.	**Concurrent Sessions** Dakota Ballroom
12:00 noon	**Business Meetings** NDCAPWA and NDWPCC Courtyard

FUTURE CONFERENCES

2012 - Minot, October 16, 17 and 18, Grand International Inn

2013 - Grand Forks, October 22, 23 and 24, Alerus Center

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

TUESDAY, OCTOBER 11, 2011

AFTERNOON CONCURRENT SESSIONS

11:30 a.m.
Luncheon and Business Meeting, NDAWWA
Courtyard
Chair Dean Sletten, Presiding
Guest Speaker: James Chaffee, Vice President, AWWA, Waupaca, WI

Welcome: Bismarck Mayor John Warford
NDWPCC President Chuck Abel

Session A

Heart Room of the Missouri Room
Moderator:

1:30 p. m. Title:	"Infrastructure Update - City of Bismarck"
Speakers:	Mel Bullinger, City Engineer, City of Bismarck; Keith Demke, Director of Utility Operations, City of Bismarck; Jeff Heintz, Director of Public Works, City of Bismarck
2:30 p.m. Title:	"AWWA Update"
Speaker:	James Chaffee, Vice President, AWWA
3:00 p.m.	Break, Courtyard
3:30 p.m. Title:	"The Latest Advancements in Analytical Instrumentation for the Lab"
Speaker:	Eric Lehmann, Hach Co.
4:00 p.m. Title:	"Wastewater Lab Fundamentals"
Speaker:	Delvin DeBoer, Professor of Environmental Engineering, SDSU
4:30 p.m.	Adjourn
5:00 - 7:00 p.m.	Buffet Dinner, Courtyard
7:00 - 9:00 p.m.	Student and Young Professional's Reception Famous Dave's, 400 E. Expressway

Session B

Sheyenne Room of the Missouri Room
Moderator: Eric Dodds, Past President, NDWEA

1:30 p.m. Title:	"Much-Needed Oil Field, Wastewater Infrastructure"
Speakers:	Jason Benson, Project Manager, AE2S; Jessica Wagner, Project Engineer, AE2S
2:30 p.m. Title:	"Washington Street Pump Station Improvements"
Speaker:	Mike Berg, Apex Engineering Group
3:00 p.m.	Break, Courtyard
3:30 p.m. Title:	"Auto Thermal, Aerobic Waste-Activated Sludge Digestion"
Speaker:	James Norberg, UND AWWA/WEF Student Chapter, WEFTEC Design Project
4:00 p.m. Title:	"Environmental Water Use in the Oil Field"
Speaker:	NDSU AWWA/WEF Student Chapter, WEFTEC Design Project
4:30 p.m.	Adjourn

Session C

Cannonball Room of the Missouri Room
Moderator: Dan Jonasson, Vice President, NDCAPWA

1:30 p.m. Title:	"Mandan Remediation Project Update"
Speaker:	Tim Kenyon, Vice President, Leggette, Brashears, & Graham, Inc.
2:30 p.m. Title:	"The Mouse Keeps Roaring"
Speaker:	Alan Walter, Director of Public Works, City of Minot
3:00 p.m.	Break, Courtyard
3:30 p.m. Title:	"Concrete Overlays for City Streets"
Speaker:	David Sethre, Executive Director, North Dakota Chapter, Inc. - ACPA
4:00 p.m. Title:	"Traffic Signal Operations"
Speaker:	Jason Baker, Owner, Baker Consulting
4:30 p.m.	Adjourn

WEDNESDAY, OCTOBER 12, 2011

AFTERNOON CONCURRENT SESSIONS

7:30 - 11:30 a.m. Tabletop Display Program
Dakota Ballroom
8:00 a.m. - 10:00 a.m. Free Breakfast
Dakota Ballroom

12:00 Luncheon and Business Meeting, NDWEA
Courtyard
President Karla Olson, Presiding
Guest Speaker: Sandra Ralston, Board of Trustees, WEF, Charleston, SC

Session A

Heart Room of the Missouri Room
Moderator:

1:30 p.m. Title: "Water Meters"
Speaker: Tim Stetz, Fargo Water Equipment

2:00 p.m. Title: "Pipe Bursting Capabilities"
Speaker: Matt Lawrence, Project Management/Sales, Ellingson Companies

3:00 p.m. Break, Courtyard

3:30 p.m. Title: "Water Storage Tank Mixing Study"
Speaker: Delvin DeBoer, Professor of Environmental Engineering, SDSU

4:30 p.m. Adjourn

5:30 p.m. Social Hour, Courtyard

6:30 p.m. Banquet: Dakota Ballroom
Invocation: Terry Rust
Master of Ceremonies:
Entertainment:

Session B

Sheyenne Room of the Missouri Room
Moderator: Seth Lynne, Past President

1:30 p.m. Title: "Dickinson's New Mechanical Wastewater Treatment Facility"
Speaker: Karla Olson, Apex Engineering Group

2:00 p.m. Title: "Industrial Pretreatment EPA Region 8 Hot Topics"
Speakers: Bill Gefroh, City of Bismarck
Jeff Roerick, ND Department of Health
William Sukalski, City of Grand Forks
Terry Rust, City of West Fargo

3:00 p.m. Break, Courtyard

3:30 p.m. Title: "Nutrient Removal/Criteria Development Panel Discussion"
Speakers: Seth Lynne, Apex Engineering Group
Wei Lin, NDSU
Mike Ell, ND Department of Health
Gary Bracht, ND Department of Health
Scott Schaeffer, AE2S

4:30 p.m. Adjourn

Session C

Cannonball Room of the Missouri Room
Moderator: Terry Boehm, Director, NDCAPWA

1:30 p.m. Title: "Establishing Equitable, Defendable Utility Rates"
Speakers: Miranda Kleven, Special Project Engineer, AE2S;
Tina Gustafson, Financial Analyst, AE2S

2:00 p.m. Title: "Engineering Workability for Concrete Projects"
Speaker: David Sethre, Executive Director, North Dakota Chapter, Inc.-ACPA

3:00 p.m. Break, Courtyard

3:30 p.m. Title: "Segmental Retaining Walls"
Speaker: Stanley Hamilton, President, ReCon Wall Systems, Inc.

4:30 p.m. Adjourn

THURSDAY, OCTOBER 13, 2011

MORNING CONCURRENT SESSIONS

Session A

Grand Pacific Room of the Dakota Ballroom
Moderator:

8:00 a.m.	Title:	"Succession Planning Panel Discussion"
	Speakers:	Meredith Quinn, NDAWWA; Keith Hunke, City of Bismarck; Todd Feland, City of Grand Forks; Loren Hoffman, Former Auditor, City of Parshall
9:00 a.m.	Title:	"Transformation from Lime Softening to Ultrafiltration and Nanofiltration Treatment"
	Speaker:	Wade Hesch, Water Plant Superintendent, City of Valley City
9:30 a.m.	Title:	"Effluent Reuse in North Dakota"
	Speaker:	Tim Paustian, Apex Engineering Group
10:00 a.m.		Break, Courtyard
10:30 a.m.	Title:	"Geophysical Methods for Ground Water Investigations"
	Speaker:	John Jansen, Cardno ENTRIX
11:00 a.m.	Title:	"Impact of Frack Water on Drinking Water Systems"
	Speaker:	Deon Stockert, Drinking Water Manager, AE2S ND Department of Health
11:30 a.m.		Adjourn

Session B

Patterson Room of the Dakota Ballroom
Moderator: Karla Olson, President, NDWEA

8:00 a.m.	Title:	"Wastewater Treatment/Collection Panel Discussion"
	Speakers:	Karla Olson, Apex Engineering Group Don Tucker, City of Grand Forks Terry Rust, City of West Fargo Wayne Offerdahl, City of Fargo
9:00 a.m.	Title:	"China's Three Gorge Dam and its Impact on Water Environment"
	Speaker:	Wei Lin, Associate Professor, NDSU
9:30 a.m.	Title:	"Roadmap for the City of Mandan: A Comprehensive Sanitary Sewer Master Plan"
	Speakers:	Russ Sorenson, Operations Manager, AE2S Jason Benson, Project Manager, AE2S
10:00 a.m.		Break, Courtyard
10:30 a.m.	Title:	"A-Z Wastewater Treatment Plant Start-up Guide"
	Speaker:	John Fisher, Wastewater Operations Leader, Short-Elliott-Hendrickson, Inc.
11:00 a.m.	Title:	"MBBR & IFAS Technologies: An Introduction"
	Speaker:	Seth Lynne, Apex Engineering Group
11:30 a.m.		Adjourn

Session C

Lamborn Room of the Dakota Ballroom
Moderator:

8:00 a.m.	Title :	"The Old and the New-Linking Wastewater Records to GIS for Easy Access"
	Speaker:	Bartlett & West
9:00 a.m.	Title:	"Infrastructure Contingency Planning for the 2011 Fargo Flood"
	Speaker:	Tom Welle, President, Apex Engineering Group
9:30 a.m.	Title:	"Emergency Dike Construction, 48th Street and Fox Island, Bismarck"
	Speaker:	Sherwin Wanner, Project Manager/Project Engineer, Houston Engineering
10:00 a.m.		Break, Courtyard
10:30 a.m.	Title:	"Asset Management"
	Speaker:	Mary Anderson, Project Engineer, AE2S

12:00 p.m. Joint Luncheon and Business Meetings, NDCAPWA and NDWPCC, Courtyard
NDCAPWA President Shawn Soehren and NDWPCC President Chuck Abel, Presiding
Guest Speaker:

Customized Water Treatment Solutions

"We Take System Responsibility"

TONKA
WATER TREATMENT SYSTEMS

- *Radium Removal*
- *Iron & Manganese Removal*
- *TOC Removal*
- *Groundwater Treatment*
- *Pressure Systems*

- *Ion Exchange Systems*
- *Gravity Systems*
- *Featuring Tonka Simul-Wash™*
  Reducing Backwash Wastewater by 50%

TONKA EQUIPMENT COMPANY
13305 Watertower Circle
Plymouth, MN 55441
763-559-2837
www.tonkawater.com

Tap Into Tonka's Expertise

Need (nēd) *noun*
1. a situation in which something is required

Since the 1950's, Ferguson Waterworks has worked hard to fulfill the needs of the waterworks industry. Those needs have changed over the years, and so have we. No longer just a pipe company, we also offer:

- 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

Whether you are looking for a single product or a complete solution, you can rely 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

Guide to Exhibitors in the Tabletop Display Program

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

ND Water/Wastewater Agency Response Network

Griffin Pipe Products John Oczak
2098 Parkview Lane 612-805-9484
Woodbury, MN 55125 FAX 612-234-4859
joczak@griffinpipe.com
Ductile iron pipe manufacturer with fittings and gaskets. Manufacturing locations: Council Bluffs, Iowa and Lynchburg, VA

Quality Flow Systems, Inc. Kevin Huson
800 6th St NW 952-758-9445
New Prague, MN 56071 FAX 952-758-9661
pat@qfsi.net
Quality Flow Systems, Inc. is a manufacturers' representative for KSB, Siemens, Usemco, Sensaphone, Pioneer Pump, Gould's, MWI, Powerflo and GPM Pumps. We provide 24-hour service assistance and have five fully equipped trucks operating throughout our territory of Minnesota, South Dakota and North Dakota. We have stock pumps and parts.

AE_2S Charlie Vein
4050 Garden View Dr Ste 200 701-746-8087
Grand Forks, ND 58201 FAX 701-746-0370
sarah.volk@ae2s.com
Advanced Engineering and Environmental Service, Inc. (AE_2S) is a specialized civil/environmental consulting engineering firm that provides professional services and our unique brand of extreme client service to municipal, rural and industrial clients in the Upper Midwest. AE_2S has seven office locations including Grand Forks, Bismarck, and Fargo, N.D.; Moorhead and Minneapolis, Minn.; and Great Falls and Kalispell, Mont. Among the offices, AE_2S has a staff of over 100 engineers, instrumentation and control technicians, civil technicians, surveyors, financial analysts, computer programmers and administrative personnel. Our primary service is water — meaning water, wastewater and storm water consulting, which represents approximately 90 percent of our annual revenues. Surveying, mapping, geographic information system (GIS), general civil engineering and site development are also provided as stand-alone services or in support of our primary services. In addition to the more traditional consulting services listed above, we also provide value-added services such as financial analysis and utility rate planning, funding development, vulnerability assessments, modeling, instrumentation and controls, information technology and asset management.

Van Bergen & Markson, Inc. Gary Metzler
8814 7th Ave N 763-546-4340
Minneapolis, MN 55427 FAX 763-546-0973
g.metzler@vbminc.com
Environmental process equipment for water and wastewater treatment including aeration, blowers, chemical feed, clarification, dewatering, digestion, disinfection, filtration, grit removal, instrumentation, mixers, odor control, pumping equipment, screens, sludge handling and solids reduction. Serving the upper Midwest since 1929.

Ferguson Waterworks Jud Hamby
1917 1st Ave N 701-293-5511
Fargo, ND 58102 FAX 701-232-8129
jhamby@nwws.biz
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, Wisc. We supply products and services to the Dakotas, Minnesota, western Wisconsin, Iowa and northern Illinois.

Tonka Equipment Co. Todd E. Butz
13305 Watertower Cir 763-559-2837
Plymouth, MN 55441 FAX 763-559-1979
czehrer@tonkawater.com
Tonka Equipment Company creates customized water treatment systems for municipalities across the United States and abroad. Our designs provide engineers cost-effective solutions for the most challenging surface and groundwater problems. Tonka's Simul-Wash™ combined air/water backwash system provides superior media cleaning while reducing backwash water volume by 50 percent. Tonka provides solutions for iron, manganese, arsenic, radium, nitrate and organics removal through our broad range of products.

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. is a manufacturers' representative specializing in level, flow (gravity, inflow-infiltration, magnetic flow), pressure and sampling. Other products include odor control, gates, stop logs and fiberglass shelters.

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 over 70 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, N.D. and Fergus Falls, Minn.

Kadrmas Lee & Jackson, Inc. Brian Eiseman
128 Soo Line Drive 701-355-8400
Bismarck, ND 58502 FAX 701-355-8781
brian.eiseman@kljeng.com

Founded in 1938, Kadrmas, Lee & Jackson (KL&J) stands on the core of innovation, creativity and collaboration. Our clients achieve success from our ability to envision, plan, engineer and build infrastructure. We provide broad services to complement each of our selected markets through office locations that strategically serve clients. Behind each client is a network of professionals tailored unique to each project. KL&J focuses on creating lasting relationships with clients by providing services that set the standard for quality and client satisfaction. We use innovation as a tool to create infrastructure that responds to social, civic and economic needs.

Team Lab Gary Syverson
Box 1467 218-846-9490
Detroit Lakes, MN 56501 FAX 218-846-9491
gary@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.

Schwab Vollhaber Lubratt (SVL) Brian Peterson
4600 Churchill St 651-481-8000
Shoreview, MN 55126 FAX 651-481-0186
brianp@svl.com

SVL presently represents 64 products common to the HVAC marketplace including Danfoss VFDs.

Dakota Pump Control, Inc. (DPC) Angelo Polsinelli
705 Quadee Drive 605-886-4672
Watertown, SD 57201 FAX 605-886-4674
angelo@dpc.us.com

DPC has been committed to serving North Dakota water and wastewater communities for over 40 years. As the authorized North Dakota representative, we offer American Structures, Inc.; Bolted Stainless Steel Storage Tanks; Fairbanks Morse Pumps; Hydromatic Pumps; Goulds Pumps; G&L Pumps; Goulds Aquavar (variable speed pump controllers/constant pressure boosters); Vogelsang Positive Displacement Pumps; PFE Roto Progressive Cavity/ Twin Screw Pumps; DSI for SCADA; telemetry; electrical controls; control panels; MCCs and VFD's. DPC also offers pump/lift station repair services and preventative maintenance programs.

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, Pinnace Ozone, PCI Gases, Vulcan, Headworks, Landia and Schwing Bioset.

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 present, we offer clients alternative, sustainable solutions to their challenges. Currently, Bartlett & West has 13 LEED Accredited professionals on staff representing various disciplines. 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.

Houston Engineering, Inc. Kevin Martin
3712 Lockport St 701-323-0200
Bismarck, ND 58503 FAX 701-323-0300
ldockter@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. At Houston Engineering, we have the talent, we have the technology, and we have the experience.

Thein Well Co. Dan Crannick
PO Box 778 320-796-2111
Spicer, MN 56288 FAX 320-796-2114
dan@theinwell.com
Thein Well Co. is a full service well contractor installing water wells of all sizes and types. We also install and service water pumps and pumping systems and just about anything associated with a customer's water needs.

Electric Pump, Inc. Jeff Janiksela
201 4th Ave SW 952-758-6600
New Prague, MN 56071 FAX 952-758-7778
jeffj@electricpump.com
Electric Pump is your most reliable source for pumps, controls, systems and the knowledge to repair or update your system with the best products in the business. In industrial, municipal or OEM fluid-handling environments, Electric Pump has earned a reputation for delivering comprehensive advice, committed response and one of the most complete inventories of pumps and parts in the Midwest. Electric Pump serves the Upper Midwest from our fully equipped service locations in Fargo, N.D., New Prague, Minn. and De Moines, Iowa, all providing 24-hour emergency service 365 days a year.

Advanced Drainage Systems (ADS) Kris Sayne
6582 Co Rd 4W SW 320-219-8138
Alexandria, MN 56308 FAX 866-240-2538
kris.sayne@hancor.com
ADS provides water management products for sanitary and storm applications.

Natgun Corporation Jerry Myers
505 N Riverside Dr #102 847-782-0357
Gurnee, IL 60031 FAX 847-782-0361
spots@natgun.com
Prestressed wire-wound concrete ground water storage.

Vesso, Inc. Terry M. Schiro
8217 Upland Cr 952-941-2678
Chanhassen, MN 55317 FAX 952-941-0796
tschiro@vessco.com
Vessco, Inc. has been serving Upper Midwest industrial and municipal customers for over 20 years. During that time, we have built a reputation for representing the best equipment in today's water treatment world. We have also become known as the best source for a total solution that includes initial consultation, design partnering, installation assistance, field service and parts delivery. At a time when a strong demand for environmental preservation is putting pressure on municipalities and industries to uphold high quality standards for water, wastewater, and process water, Vessco is the proven partner that offers much more than just components. We provide turnkey solutions from conception to ongoing support, well into the future.

Visu-Sewer John Nelson
W230 N4855 Betker Dr 262-695-2340
Pewaukee, WI 53072 FAX 262-695-2359
john@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, pipelining, manhole lining and epoxy coating.

ND Rural Water Systems Association Eric Volk
2718 Gateway Ave #201 701-258-9249
Bismarck, ND 58503 FAX 701-258-5002
ericvolk@ndrw.org
The North Dakota Rural Water Systems Association is a nonprofit trade association that provides training and technical assistance to rural and small water and wastewater systems. Our mission is to educate, lead and support our members in providing quality service to their customers.

Hach Company Eric Lehmann
5600 Lindbergh Dr 800-227-4224
Loveland, CO 80538 FAX 970-619-5079
elehmann@hach.com
Hach Company manufactures and distributes analytical instruments and reagents used to test the quality of water and other aqueous solutions. Our systems are designed to simplify analysis.

Construction Specialties Rocky Waldin
7100 Utica Ln 612-860-0803
Chanhassen, MN 55317 FAX 952-470-0342
rockyw@minn.net
Manufacturers' representative for Royal Erosion Control Systems (licensed precaster is Cretex West) supply the cable concrete erosion control products, and Cretex Specialty Products supplies a full line of manhole and pipe sealing products. We also work with APM/Permaform, offering manhole spray lining and cast-in-place structural rebuilding

Fischer, Harris & Associates (FHAA) Joe Zauner
5865 Neal Ave N Ste 335 630-377-2226
Stillwater, MN 55082 FAX 651-430-0218
joe@fischer-harris.com
FHAA is a manufacturers' representative agency specializing in the municipal water and wastewater industries. We represent EBAA iron "Megalugs," Smith-Blair Clamp & Couplings, Valvco tracer wire access boxes, team insert valves, EFI fabricated pump stations and other quality products for both industries.

Flexible Pipe Tool Co. Nate Petron
30577 Pearl Dr 320-363-7552
St. Joseph, MN 56374 FAX 320-363-7882
flexiblepipe@qwestoffice.net
Sales and service of new and used sewer cleaning and inspection equipment. Equipment dealer for Aries,

Aquatech, Screco Flexible, Ridgid, Max-Life and numerous tool and accessory manufacturers.

Treatment Resources, Inc. Bill Vose
794 Springhill Ct 651-702-2692
Woodbury, MN 55125 FAX 763-420-9824
bvose@treatmentresources.com
Manufacturers' representative of process water and wastewater equipment. Products include membranes, slakers, clarification, dewatering chemical feed, filtration and plate settlers.

Fargo Water Equipment Jack Hendrickson
4557 15th Ave N 701-237-0222
Fargo, ND 58102 FAX 701-237-9609
jack@FGOH2O.com
We provide water and sewer products and work with Underground Solutions doing fusible PVC piping systems.

SolarBee, Inc. Bill Reiter
3225 Hwy 22 701-225-4495
Dickinson, ND 58601 FAX 701-225-0002
billr@solarbee.com
SolarBee solar-powered circulators can be deployed to provide water quality improvements in the following applications:
In wastewater lagoons, the SolarBee improves CBOD and TSS treatment, reduces ammonia and enhances sludge digestion. If you have high energy costs for aeration, the SolarBee can displace much of the aeration mixing run-time hours providing a quick payback.
SolarBee is an excellent solution for solving mixing problems in potable/finished water reservoirs/tanks. Most reservoirs have inlet and outlet and stratification problems. Many tanks are oversized for future growth and for fire protection. Stagnant water conditions can be even more of an issue in chloramine- based systems.

Wells Concrete Dick Edgar
5000 Demers Ave 701-772-6687
Grand Forks, ND 58201 FAX 701-772-4315
dick.edgar@wellsconcrete.com
Wells Concrete (formerly Concrete, Inc.) is a PCI certified precast/prestressed concrete producer and erector providing architectural and structural building components in Minnesota, North Dakota and South Dakota. Please visit our web site at www.wellsconcrete.com.

Apex Engineering Group Tom Welle
4733 Amber Valley Parkway S 701-373-7992
Fargo, ND 58104 FAX 701-373-7981
tom.welle@apexenggrooup.com
Apex Engineering Group was formed November 2, 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.
Although Apex is a newly formed company, our team has extensive experience in the industry and this region. Our leaders are professionals with proven track records of producing successful projects with many long term clients and are considered experts in their respective fields.
At Apex we have put a ban on bureaucracy. We have stripped away anything and everything that stands in the way of what matters: serving our clients.
Apex's business focus is Water, Transportation, Municipal and Electrical Engineering Services. Apex has offices in Fargo and Bismarck, North Dakota.

Larson Data Communications, Inc. Al Berreth
305 N Lawler St 605-996-5521
Mitchell, SD 57301 FAX 605-996-5642
al.berreth@larsondata.com
MDS Full Service Partner for N.D., S.D., Minn., Iowa, Neb. - Industrial Wireless Data Networking Products, RF Engineering Services & Consulting, and Certified Support for Critical Infrastructure Wireless applications. See us for Wireless Network Area Coverage & Path Profile Analysis, Point-to-Point, Point-to-Multipoint, Multiple Address Station (MAS), Mobile Data, & Mobile VPN Systems. MDS is the most technologically advanced, most reliable, and most widely used industrial data radio product line available. Our customers and the customers of our Value Added Resellers and Integration Partners are among the best wireless data connected and supported companies in the world.

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

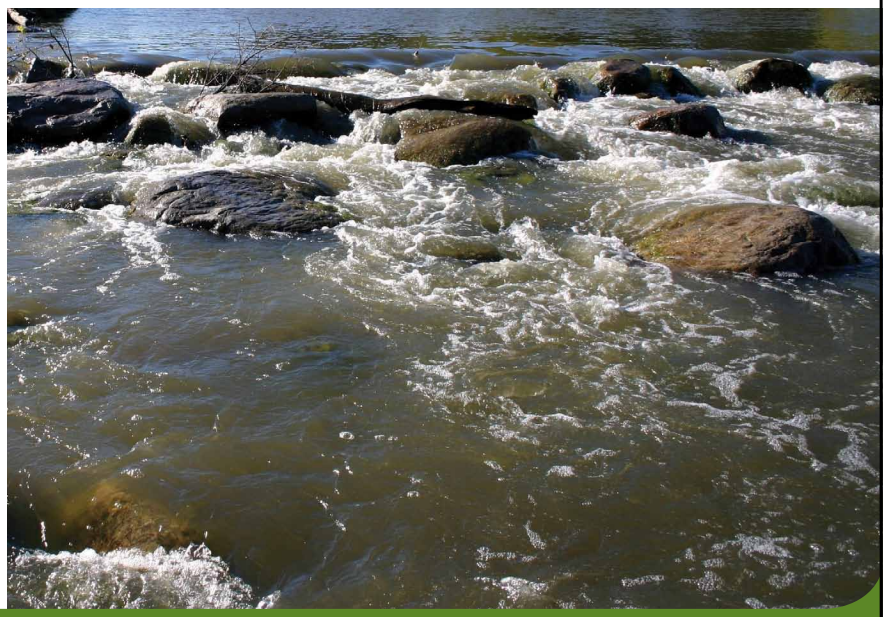
abs
ND SEWAGE
PUMP & LIFT STATION
SERVICE CO., INC.
24 HOUR SALES & SERVICE
All Makes of Pumps and
Control Systems

Mike Dahl
Office: 701.282.6760
Toll Free: 800.832.7055
Cell: 701.799.7502
Fax: 701.282.3579
mdahl@ideaone.net

1740 East Main Avenue #3
West Fargo, ND 58078

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

www.wsn.us.com

engineering | architecture | land surveying | environmental services

alexandria | baxter | bemidji | crookston | grand forks | red wing | rochester

Bartlett & West & you

innovation

collaboration

stability

consistency

resources

At Bartlett & West, you are our priority. When your needs grow, we grow to meet that demand. By creating cost-effective design, adding new technology and providing innovative services, we become far more than your engineering firm - we become your solution.

From start to finish...

it's Bartlett & West and you

Water Engineering Services

- Preliminary, feasibility, and design reports
- Water source, treatment, and distribution design
- Long-range strategic and financial planning
- Regulatory compliance–strategies and planning
- GIS, GPS, and specialized system modeling
- Permitting, land rights, and easement management

BARTLETT & WEST

SERVICE. THE BARTLETT & WEST WAY.

3456 E CENTURY AVE ▪ BISMARCK ND ▪ 701.258.1110 ▪ BARTWEST.COM

2011 Conference Sponsors for Door Prizes, Social Hour, Coffee Breaks and Golf Tournament

Thank You for Your Contribution!

AE_2S
4050 Garden View Dr
Ste 200
Grand Forks, ND 58201
701-746-8087

Apex Engineering Group
4733 Amber Valley
Parkway S
Fargo, ND 58104
701-373-7992

Bartlett & West, Inc.
3456 E Century Ave
Bismarck, ND 58503
701-258-1110

Electric Pump
201 4th Ave SW
New Prague, MN 56071
952-758-6600

Fargo Water Equipment
4557 15th Ave N
Fargo, ND 58102
701-237-0222

Flexible Pipe Tool Co.
30577 Pearl Dr
St Joseph, MN 56374
320-363-7552

Houston Engineering, Inc.
3712 Lockport St
Bismarck, ND 58503
701-323-0200

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

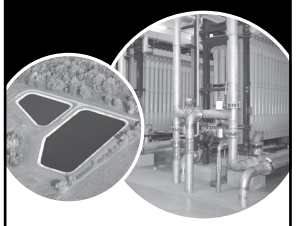
Olson Engineering, Inc.
PO Box 1062
Devils Lake, ND 58301
701-662-6520

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

Vessco, Inc.
8217 Upland Cr
Chanhassen, MN 55317
612-805-8912

Visu-Sewer, Inc.
W230 N4855 Betker Dr
Pewaukee, WI 53072
262-695-2340

moore
engineering, inc.



Consulting Engineering
Land Surveying
West Fargo, ND
701-282-4692
Fergus Falls, MN
218-998-4041
mooreengineeringinc.com

Waterblasting • Pipe Cleaning Service • Industrial Vacuuming
JET-WAY
Multiple Services, Inc.
1-800-378-5606
P.O. Box 131
Harwood, ND 58042
Office: 701-282-2356
Fax: 701-282-2423

TONKA WATER TREATMENT SYSTEMS
Phone: (763) 559-2837
Fax: (763) 559-1979
E-Mail: tonka@tonkawater.com
Website: www.tonkawater.com
TONKA EQUIPMENT COMPANY
P.O. BOX 41126
13305 WATERTOWER CIRCLE • PLYMOUTH, MN 55441

Van Bergen & Markson, Inc.
A Clear Solutions Technology Company
Environmental Process Equipment for
Water and Wastewater Treatment
• Aeration • Blowers • Chemical Feed
• Clarification • Dewatering • Digestion
• Disinfection • Filtration • Grit Removal
• Instrumentation • Mixers • Odor Control
• Pumping Equipment • Screens
• Sludge Handling • Solids Reduction
800-422-0791 763-546-4340
Fax: 763-546-0973
8814 Seventh Ave. N.
Minneapolis, MN 55427
Email: info@vbminc.com

Water Engineering
Water Resources
Wastewater Engineering
Water Supply Pumping Stations
Water Treatment
Water Transmission/Distribution
Surface Water Treatment
Master Planning/Feasibility Studies
Water Reuse
Ground Water Replenishment
Utility Planning/Rate Studies
SCADA Systems
Regulatory Services
Water Treatment Studies
Sanitary Sewer Collection

Water resources. Water. Wastewater.

Funding resources.

Lasting solutions.

Quality service.

Proven solutions across the Midwest

North Dakota | South Dakota | Nebraska
Minnesota | Iowa | Wisconsin
Colorado | Wyoming | Indiana

800.325.2055 • www.sehinc.com
ENGINEERS | ARCHITECTS | PLANNERS | SCIENTISTS

SEH

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. ☐ $145 US ☐ $156 CN

☐ *Never been a member? Get your FIRST YEAR of individual membership at HALF-PRICE! (Just $70 US / $76 CN 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 US / $27 CN 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 ($US)	Annual Dues ($CN)
☐ 0 – 10,000	2	$ 238	$ 258
☐ 10,001 – 25,000	4	$ 476	$ 516
☐ 25,001 – 50,000	6	$ 714	$774
☐ 50,001 – 100,000	10	$1190	$1290
☐ 100,001 – 300,000	16	$1904	$2064
☐ 300,001 – 500,000	20	$2380	$2580
☐ 500,001 – 1,000,000	26	$3094	$3354
☐ More than 1,000,000	30	$3570	$3870
☐ Federal Agency	50	$5950	$6450

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 ($US)	Annual Dues ($CN)
☐ Heritage	2	$ 362	$ 390
☐ Prestige	10	$1488	$1604
☐ Crown	40	$7176	$7731

***You may designate additional members for $119 US ($129 CN) each.**

Fee schedule effective through December 31, 2011

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

NDWPCC JOINT BOARD MEETING MINUTES

May 17, 2011, 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); and North Dakota Section of the American Water Works Association (NDAWWA) was held on May 17, 2011, in the Executive I Room of the Seven Seas Inn, Mandan, North Dakota. The following board members and guests were present: Chuck Abel, Lisa Ansley, Terry Boehm, Gary Bracht, Mike Brisben, David Bruschwein, Bill Gefroh, Rick Gillund, Jeff Heintz, Steve Himmelspach, Nancy Huether, Brett Jochim, Dan Jonasson, Dennis Larson, Wei Lin, Seth Lynne, Lance Meyer, Wayne Offerdahl, Karla Olson, Tim Paustian, Terry Rust, Dean Sletten, Shawn Soehren, Jason Sorenson, Larry Thelen, Don Tucker, Sarah Volk, Jessica Wagner, Greg Wavra and Chad Zander.

The meeting was called to order at 10:32 a.m. by NDWPCC President Chuck Abel. Copies of the meeting agenda and NDWPCC financial report (January 1-April 30, 2011) were provided to all in attendance.

President Abel called for a motion to dispense with the reading of the minutes from the January 25, 2011 Joint Board Meeting and approve the minutes mailed to each board member. Dan Jonasson so moved, Terry Rust seconded, and the motion carried.

President Abel called for the Treasurer's report. Mike Brisben reported that so far in 2011 the Conference had a net loss of $7,193.26 and total assets (as of April 30, 2011) of $67,947.53. Mr. Brisben noted that an operator expense reimbursement grant payment of $12,293.76 was pending, which would result in a net profit of $5,100.50. President Abel called for a motion to approve the Treasurer's Report. Rick Gillund so moved, Dean Sletten seconded, and the motion carried.

Moving on to old business, President Abel reminded the joint board members that a list of topics and presenters was needed by June 1, 2011. Lisa Ansley indicated that NDAWWA would provide speakers for the Wednesday afternoon water session and Sarah Volk and Meredith Quinn would be the section contacts. Terry Rust noted that water and wastewater topics related to flooding would be of interest and that a morning or afternoon session would be appropriate. President Abel recommended involving agencies such as the U.S. Geological Survey, U.S. Army Corps of Engineers and State Water Commission. Reports from areas affected such as Minot, Fargo and Devils Lake also would be of interest. President Abel indicated he would approach the Health Department on flood response. Brett Jochim noted that Eric Dodds would provide topics for a wastewater session on nutrients, Williston and Watford City oil development and the city of Mandan's master plan.

President Abel called for the next item of old business. Mr. Brisben reported that $180,000 was added to the Health Department's budget for continuation of the operator expense reimbursement program for drinking water systems. Mr. Brisben noted that approximately $14,000 remained in the original EPA grant, and he estimated that state funding will begin around the time of the fall conference. Mr. Brisben thanked Eric Volk and ND Rural Water for their lobbying efforts.

President Abel called for any other old business. Hearing none, President Abel called for the first item of new business. Mr. Brisben reported that he had met with the local arrangements committee and convention center. Activities discussed for the fall conference may include a student/young professional reception, trivia night, the annual golf tournament, a Texas Hold'em poker tournament with proceeds going to Water for People and a seven card stud breakfast poker game. NDWEA will once again judge the breakfast poker game, and Steve Himmelspach will help organize the Texas Hold'em tournament. Discussion ensued regarding the student/young professional event. It was noted that Mr. Dodds has coordinated the Fargo event and that the UND and NDSU student chapters could be contacted to inquire about interest/attendance. Mr. Brisben indicated that a block of rooms at $84.00 per room had been reserved and that suites for the visiting dignitaries would be the same. Unassigned rooms will be released on September 19, 2011. Mr. Brisben also noted that vendors participating in the exhibitor program will be allowed to ship displays one week prior to the conference.

Mr. Brisben reported on the spring training sessions. A total of 327 operators attended, and 216 exams were written.

President Abel announced that the tentative dates of October 10-13/17-20, 2016 had been reserved in Minot. Mr. Rust inquired as to the history of early or late dates. Mr. Brisben noted that the later date gives Municipal Facilities staff more time to plan and facilitate the conference but also has a greater chance of inclement weather. Mr. Jochim

asked if there was any conflict with WEFTEC. Karla Olson reported that the WEFTEC conference is September 24-28, 2016.

Terry Rust made a motion to accept the October 10-13, 2016 dates, Dan Jonasson seconded and the motion carried.

President Abel announced that presenter, sponsor and vendor packages would be mailed in early June. President Abel called for any other new business. Hearing none, President Abel entertained a motion to adjourn. Terry Rust so moved, Bill Gefroh seconded and the meeting adjourned at 11:00 a.m.

The NDWEA can be thanked for the refreshments and the noon luncheon.

Respectfully submitted,

Mike Brisben
Secretary/Treasurer

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

MARK YOUR CALENDARS FOR

THE 2012 SURFACE WATER TREATMENT WORKSHOP

April 24 - 26, 2012
Courtyard by Marriott
Moorhead, MN

SPONSORED BY MNAWWA, NDAWWA AND SDAWWA

More information: www.awwand.org/swtw

American Water Works Association

The Authoritative Resource on Safe Water℠

Engineering America

Your One-Call Expert Supplier for Complete Water and Wastewater Process Equipment

Specialty Contractor of Bolted Glass-Fused-to-Steel Tanks

LIQUID STORAGE
- Aquastore®
- TecStore

GEODESIC DOMES
- Temcor/Conservatek

HEADWORKS
- Lakeside Equipment
- Huber
- WesTech

BLOWERS
- Dresser Roots
- Houston Service Industries

BIOLOGICAL TREATMENT
- Sanitaire
- ABJ
- WesTech
- Lakeside Equipment
- Aeromix
- Nelson Environmental

SPECIALIZED PUMPS
- Hayward Gordon
- Böerger
- Epic International
- Franklin Miller, Inc.

PREFABRICATED STATIONS
- Dakota Pump, Inc.

DISINFECTION
- Trojan Technologies
- Severn Trent Services

BIO SOLIDS TREATMENT
- JetMix
- WesTech
- BDP Industries
- Centrisys
- Fenton
- Huber
- Spirac

CHEMICAL FEED
- Acrison
- Milton Roy
- Severn Trent Services
- Capital Controls All Vacuum Feed Systems

ODOR CONTROL
- Duall

CLARIFICATION
- Lakeside Equipment
- WesTech
- Guardian Environmental

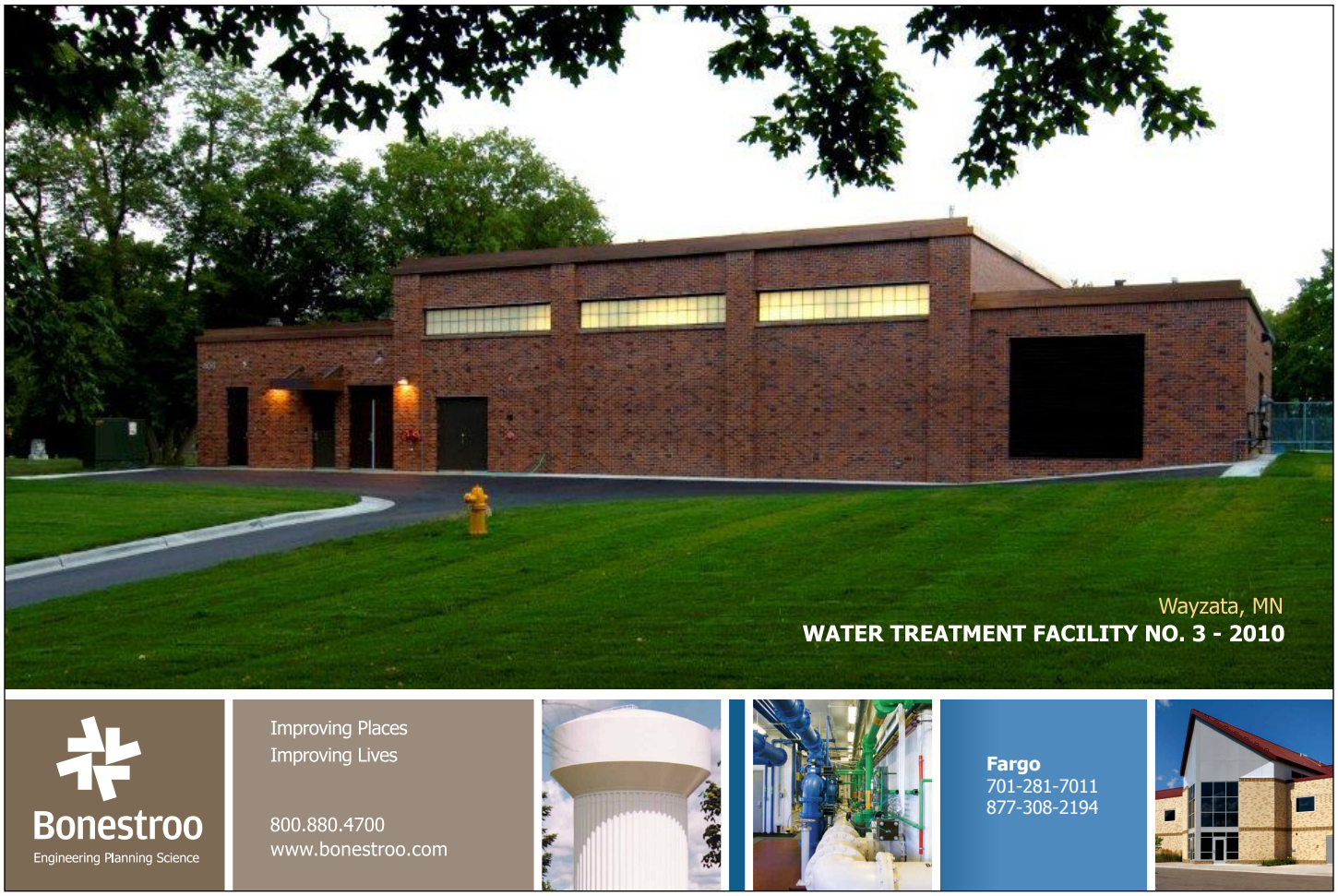
WATER TREATMENT
- WesTech
- Severn Trent Services

INSTRUMENTATION
- Capital Controls Chlorine Residual Analyzers
- PpH/ORP/Br/O3/I/Conductivity Analyzers
- CL2/SO2/NH3 Gas Detectors
- Digital Weight Scales

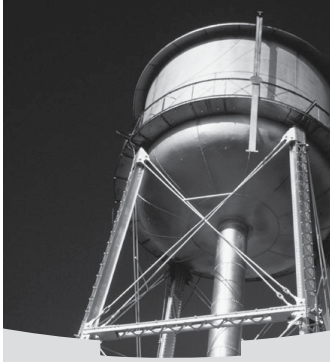
THINK TANK • *think process*

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

KLM
Engineering, Inc.
KLM is a leader in ROV Technology for Inspections & Cleaning of Potable Water Tanks and In-Ground Reservoirs.
Our inspectors and engineers are highly qualified to meet your requirements. KLM employs one of the largest certified NACE coatings, and AWS welding inspection staffs in the nation.
KLM
651-773-5111
www.klmengineering.com


Wayzata, MN
WATER TREATMENT FACILITY NO. 3 - 2010
Bonestroo
Engineering Planning Science
Improving Places
Improving Lives
800.880.4700
www.bonestroo.com
Fargo
701-281-7011
877-308-2194

Kadrmas Lee & Jackson
Engineers Surveyors Planners



kljeng.com
800 213 3860

ND RURAL WATER SYSTEMS ASSOCIATION

26th Annual Water EXPO - Feb. 14-16, 2012

EXPO 2012 - Fargo, ND

Mark Your Calendar & Save the Dates

February 14-16, 2012

Ramada Plaza & Suites
1635 42nd St. S
Fargo, ND 58103
701-277-9000

Contact our office with any questions or comments regarding EXPO 2012. We look forward to bringing the EXPO to Fargo.

Quality On Tap!
Our Commitment Our Profession

ND Rural Water Systems Association
2718 Gateway Avenue
Suite #201
Bismarck, ND 58503
1-800-349-6951

North Dakota Water Quality Monitoring Conference

February 27-29, 2012
Best Western Ramkota Hotel
Bismarck, North Dakota

Sponsored by the

North Dakota
Water Quality
Monitoring Council

Mark your calendars now for the **North Dakota Water Quality Monitoring Conference** February 27-29, 2012, at the Best Western Ramkota Hotel in Bismarck, N.D. A call for presentations and posters will be available online until October 31, 2011. For more information, visit www.bismarckstate.edu/ceti/waterquality.

CONFERENCE HISTORY

Conference	Host City	President	President's Residence
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

James "Jim" Chaffee
Vice-President (2011-2013)
American Water Works Association

Jim Chaffee recently retired from AECOM, a global engineering and consulting organization, and is currently consulting on a part-time basis. Over his 35-year career, Jim specialized in providing supply, treatment and infrastructure solutions to the water supply industry.

Jim is active in the waterworks industry and industry organizations. He has an undergraduate degree in engineering and a master's degree in business from the University of Wisconsin system. He is a registered professional engineer in several states and a Board Certified Environmental Engineer from the American Academy of Environmental Engineers.

Jim has been an active member of AWWA for more than 25 years, and has been recognized for his contributions by receiving the Wisconsin Section Leon A. Smith Award in 1996 (for distinguished service) and the George Warren Fuller Award in 2004. He has authored more than 30 papers or presentations covering a variety of current water industry issues. He has also been active in the National Society of Professional Engineers and Wisconsin Association of Consulting Engineers.

In the Wisconsin Section of AWWA, Jim has most recently served as the Section Director. He has also been Section chair and chair of the Research, Conference Planning, Education, Awards and Fuller committees. Jim is actively involved in numerous other committees.

Jim lives in a rural area of central Wisconsin with his wife Jan and his two "hunting buddies," Brandy and Beans.

Sandra Ralston
2010-2011 Board of Trustees
Water Environment Federation

Sandra Ralston is a member of the 2010-2011 Board of Trustees for the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, Va.

Sandra is currently a Senior Associate and Client Services Manager at Malcolm Pirnie in Charleston, S.C. She also participates on the Business Council of the U.S. Conference of Mayors and as a Strategic Partner for the International City/County Managers Association.

A WEF member since 1989, Sandra served as the chair of the WEF Government Affairs Committee from 2005-2008, with particular focus on increasing outreach to Member Association government affairs committees, conducting the national discussion of what the next 35 years of the Clean Water Act should be and engaging a wider community of stakeholders to talk about the future of wet weather policy. She was a member of the Committee Leadership Council development working group and served as chair of the Stakeholder Focus Group in 2007. She also served on the planning committee for the Utility Management Conference.

Also a member of the Indiana Water Environment Association, Sandra was IWEA President from 2002-2003, served as chair of IWEA's annual conference program and represented IWEA at annual WEFMAX meetings.

She received a BA from the University of Colorado and an MBA from George Washington University.

What Makes **HOBAS®** The Standard?

Precision centrifugal casting, consistent high quality, fiberglass-reinforced, polymer mortar pipes

Responsive customer service, on-site field reps backed by extensive engineering support

HOBAS®

Time Proven

Leak Free

Long Lasting

Corrosion Resistant

High Strength

Quick, Easy Installation

High Flow Capacity

HOBAS PIPE USA
281-821-2200
www.hobaspipe.com

Mapping Ground Water Rule Requirements: Sanitary Survey and Corrective Action

What are the Basic Requirements of the Ground Water Rule (GWR)?

Two of the four GWR requirements (Source water and compliance monitoring) have been discussed in previous articles. Source water monitoring, which includes triggered, additional, and assessment monitoring, is required for systems not providing 4-log treatment. Compliance monitoring is how an operator documents 4-log treatment of viruses by monitoring and maintaining a state-determined minimum disinfectant residual. In this article we will discuss the two remaining requirements: sanitary surveys and corrective action.

How does the GWR Impact the State's Role in Sanitary Surveys?

The purpose of a sanitary survey is to review the public water system's source, equipment, facilities and treatment procedures to ensure they have been properly maintained and operated to make certain that safe drinking water is distributed to the public. Under the total coliform rule (TCR), the states conducted sanitary surveys on a five-year cycle for community and non-community water systems (CWSs and NCWSs) that collected fewer than five TCR samples per month and every 10 years for NCWSs that disinfected their sources. Under the GWR, the sanitary survey requirements have been revised for GWSs to be consistent with surface water systems by increasing the frequency and completeness of the sanitary surveys to enhance the public health protection. GWR requirements regarding sanitary survey frequency and deadlines are shown in Table 1.

Table 1. Sanitary Survey Frequencies and Dates

System Type	Minimum Frequency	Compliance Date [1]
Community GWS (conducting triggered source water monitoring)	Every 3 years	December 31, 2012
Community GWS providing 4-log treatment (conducting compliance monitoring)		
Community GWS with an outstanding performance record [2]	Every 5 years	December 31, 2014
Non-community GWS		

[1] Initial sanitary survey must be completed by the compliance date.
[2] Outstanding performance records are determined by the state.

How Might Sanitary Surveys Impact Public Water Systems?

The GWR requires (1) a sanitary survey address eight specific elements and (2) the surveyor identify any significant deficiencies that may exist in the water system. A significant deficiency identified during the sanitary survey must be addressed by the public water system within a specified timeframe determined by the state. GWSs should be aware of the eight elements in a sanitary survey and what might be considered a significant deficiency by the state to avoid compromising the quality of the water and public health. The eight elements and some examples of what might be evaluated are described below:

1. Source: well construction, potential source contamination, setback distances, source quantity and quality, well locations, source water transmission mains, site security and general housekeeping.
2. Treatment: design criteria, plant records, past inspections, operation, maintenance and overall management of treatment facility.
3. Distribution System: review schematics, operation and maintenance records, operating procedures, construction standards, and distribution system water quality data.
4. Finished Water Storage: tank integrity, operational readinesss, site security, potential sanitary risks, proper maintenance checks, and operation & maintenance procedures.
5. Pumps, Pump Facilities and Controls: pump capacity, maintenance, pump control system, emergency power backup, pump tests, remote monitoring, controls and alarms.
6. Monitoring, Reporting and Data Verification: compliance with site sampling and monitoring plans, monthly reports, daily logs, analytical results and

monitoring data, and record keeping requirements.

7. System Management and Operation: managerial, and financial and technical sustainability.
8. Operator Compliance with state requirements: properly certified staff depending on the size and type of system.

If, while conducting a sanitary survey, the state identifies a significant deficiency, it is the state's responsibility to inform the public water system of the deficiency and to work with the public water system to correct the significant deficiency.

Corrective Action

Corrective action is required if the GWS falls into one of the scenarios described below:

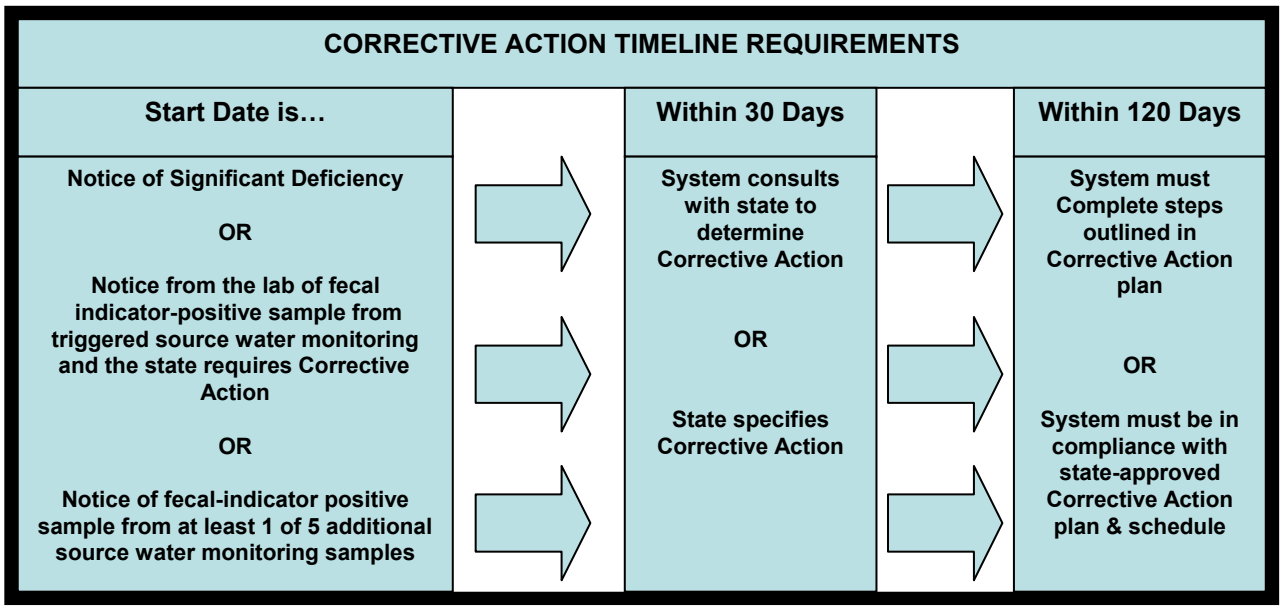
- Significant deficiencies are identified by the state during a field visit or a sanitary survey.
- One of the samples collected during triggered source water monitoring is fecal indicator-positive (FI+), and the state requests the system to go straight to corrective action.
- One of the samples collected during additional source water monitoring is FI+.

There are four main corrective action options:

1. Correct all significant deficiencies.
2 Provide an alternate source of water.
3. Eliminate the source of contamination.
4. Provide treatment that reliably achieves 4-log treatment of viruses.

The GWR specifies a schedule for corrective actions. The state notifies the GWS of a significant deficiency. The public water system has 30 days to consult with the state to determine an appropriate corrective action. The GWR states that the system has 120 days to complete measures or steps as indicated in its corrective action plan or it must be in compliance with a state-approved corrective action schedule. Table 2 provides a graphic representation of the GWR requirements for corrective action.

Table 2. Corrective Action Timeline



Frequently Asked Questions About Sanitary Surveys and Corrective Action

Question 1: Can the system alone (without input from the state or primacy agency) decide whether to go directly to corrective action or to conduct additional source water monitoring?

Answer 1: No. If a triggered source water sample is FI+, the GWS must conduct additional source water monitoring unless it is directed by the state to complete a corrective action. If any of the additional source water monitoring samples are FI+, the system must take corrective action. GWSs must consult with the state within 30 days of being notified by the state of a significant deficiency or receiving the results from the lab that one or more of the additional source water monitoring samples were FI+.

Question 2: Can a significant deficiency only be identified during a sanitary survey?

Answer 2: No. Under the GWR, states have the authority to identify a significant deficiency at any time.

Question 3: Are significant deficiencies limited to fecal contamination (i.e., only virus-related contamination)?

Answer 3: No. A significant deficiency is defined as a situation that is causing, or has the potential to cause, introduction of contamination into the water delivered to consumers.

Training Opportunities
The Environmental Protection Agency (EPA) has concluded its workshops and webcast trainings on the GWR at this time; however, there still may be trainings sponsored by your state, EPA region or technical assistance providers. Contact your EPA region or state for more information on workshops or trainings. For more information on the GWR, please visit the GWR homepage at: www.epa.gov/safewater/disinfection/gwr. The next and last article will cover the GWR requirements for public notification, consumer confidence Report and special notice.

This is the fourth article in a series of five, developed by the U.S. Environmental Protection Agency (EPA), Office of Ground Water and Drinking Water, that summarize key components of the GWR. As with all drinking water rules, please check with your primacy agency for specific state-related requirements.

Ulteig
Engineering, Surveying, and Consulting Services
www.ulteig.com
888-858-3441
Bismarck • Cedar Rapids • Denver • Detroit Lakes
Fargo • Minneapolis • Sioux Falls • Williston

EllingsOn COMPANIES
Matt Lawrence
Office: 888.527.2294
Fax: 507.527.2296
Cell: 507.358.1507
matt@EllingsonCompanies.com
www.EllingsonCompanies.com

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

Now in a new laboratory at a new location!

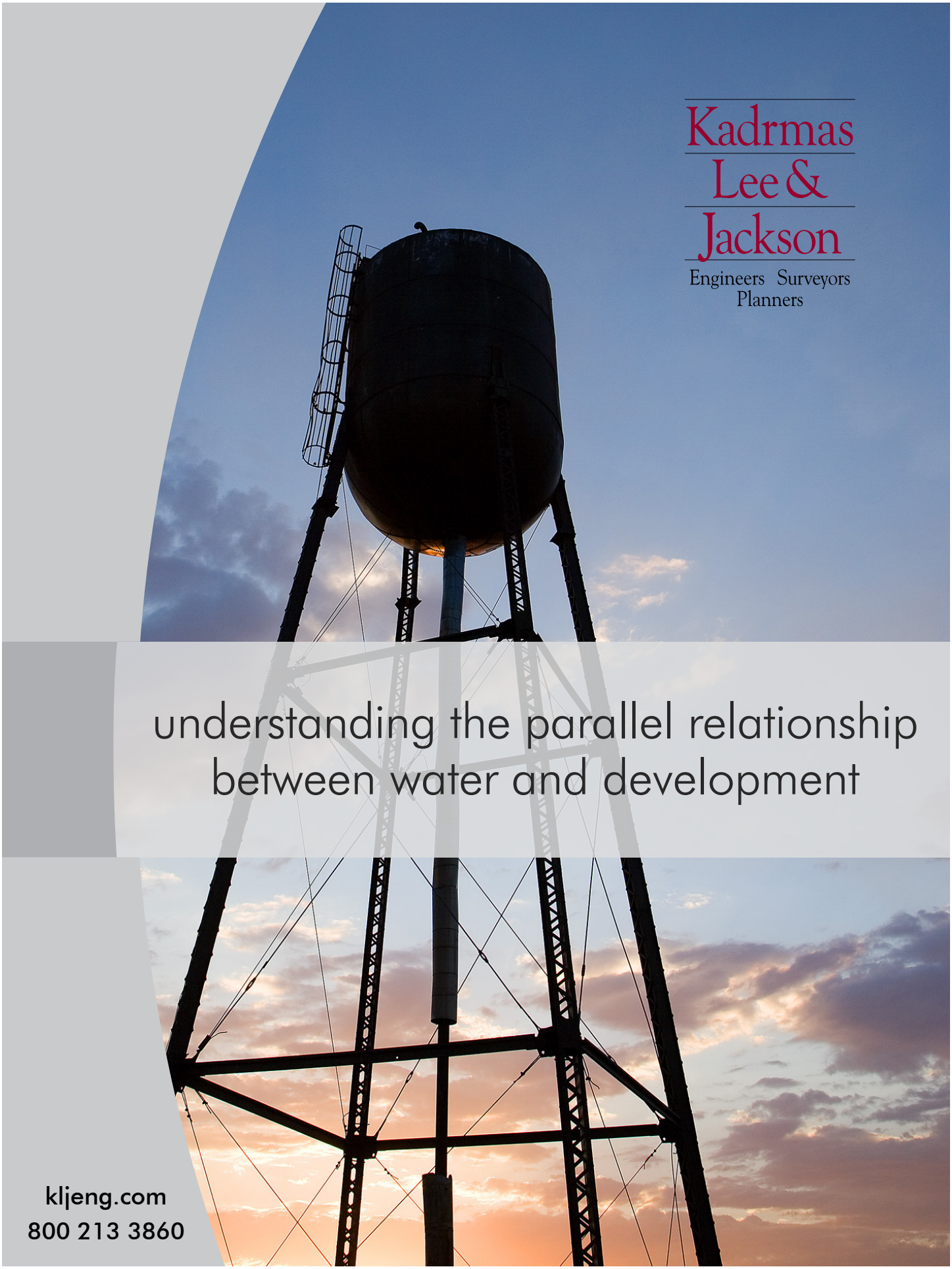
CONTACT US FOR QUALITY ANALYTICAL AND SAMPLING SERVICES:

- ✓ Drinking Water
- ✓ Groundwater
- ✓ Surface Water
- ✓ Wastewater
- ✓ Biosolids
- ✓ Soil
- ✓ Solid Waste
- ✓ Waste Characterization
- ✓ Industrial Waste
- ✓ Priority Pollutants
- ✓ Petroleum Contamination
- ✓ 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 Fax: 701-258-9720

New Ulm, MN 800-782-3557
Nevada, IA 800-0855


Kadrmas
Lee &
Jackson
Engineers Surveyors
Planners
understanding the parallel relationship
between water and development
kljeng.com
800 213 3860

We turn your ideas into reality.

For more than 50 years, we've partnered with the region's cities and small towns to establish and maintain the water and sewer systems so vital to their prosperity. Today, we work side by side with city leaders in more than 60 communities to find financing and engineering solutions for their infrastructure needs.

Water:

- Groundwater and Surface Water Studies
- Pumping Facilities and Intake Structures
- Storage Facilities
- Water Treatment Plants
- Storage Facilities
- Distribution Systems

Wastewater:

- System Analysis
- Inflow/Infiltration Studies
- Collection Systems
- Wastewater Treatment Facilities

Storm Water:

- Collection Systems
- Pumping Facilities
- Retention/Detention Ponds
- Outlet Structures
- Permits

moore engineering, inc.

mooreengineeringinc.com

Consulting Engineering • Land Surveying

West Fargo, ND
701-282-4692

Fergus Falls, MN
218-998-4041

Public Utilities and Waterworks Management Institute

American Water Works Association

An American Water Works Association Public Utilities and Waterworks Management Institute will be held in Salt Lake City, Utah, September 19-23, 2011.

The management institute is for anyone in a leadership position. This no-nonsense, five-day course will teach you how to put effective management and supervisory skills to work for you and your organization. You'll learn to make better leadership decisions, communicate more effectively, avoid costly mistakes and get the results you want. With participants coming from all over the country, this is a terrific opportunity to share knowledge of the water industry. Plan on attending yourself or sending other managers and supervisors who would benefit from this superior skills program.

Basic Institute Training Program (Days 1-5)
$499 per student
Classes meet each day from 8:00 a.m. to 5:00 p.m.

Day 1: Foundations of Leadership
Instructor: Dr. Brent Soffe
Provides participants with a knowledge of contemporary leadership principles, essential skills and general functions of management, the role of the supervisor, goal setting and time management.

Day 2: The Leader's Role in Performance Management
Instructor: Dr. Brent Soffe
Models of communication and giving and receiving feedback. Understanding work group dynamics, managing teams, group problem solving, team leadership strategies, total quality management and characteristics of high-performance teams.

Day 3: Managing Conflict
Instructor: Van Potter
Emphasizes skills needed in purposefully and appropriately managing conflict, understanding and benefiting from emotions, converting mind-body integration principles into powerful tools, recognizing and expanding perceptions, operating from purpose and developing powerful conflict resolution communication methods.

Day 4: Employee Selection
Instructor: Dr. Brent Soffe
Identify ineffective selection methods, learn about the key elements in an effective employee selection system, conduct a legally defensible employment interview, and develop a set of employee interview guidelines that can be implemented in their organizations.

Day 5: The Leadership of Change
Instructor: Van Potter
Designed to help managers fully understand the nature and necessity of change, its impact on people and how to meet the challenge it presents. Participants learn strategies that help speed up the process and minimize the productivity decline. Emphasis is placed on coaching and leading a team through a complex change situation.

Certification
A formal certificate will be prepared for parties who successfully complete the required course objectives. This certificate is prepared and presented by the Water Utility Management Institute. Optional university certification is also available for the extra fee of $50 per student and is presented by Utah State University. This management/leadership certificate is primarily for those needing university certification to meet training requirements for various professional affiliations. However, any individual desiring to receive the Utah State University certificate may do so by paying the extra $50 fee.

Fees, Location and Registration
The Basic Water Utility Management Institute fee is $499 (plus optional $50 fee for Utah State University Certification). This includes all instruction, workbook and handout materials.

All institute sessions will be held in the meeting room at Comfort Suites Hotel, 171 North 2100 West, Salt Lake City, Utah 84116. Participants may arrange their own lodging at the Comfort Suites Hotel and take advantage of special rates by mentioning their participation with the AWWA Management Institute. The Comfort Suites Hotel is a full-service hotel including a full complimentary breakfast each day and a courtesy airport shuttle.

Comfort Suites Hotel
171 North 2100 West
Salt Lake City, Utah 84116
1-800-715-8688 or 1-800-424-6423

To reserve your spot, complete the registration form on the next page and send it along with your check made payable to Education & Training Services.

For further information, contact Chuck Christensen at 1-800-281-0107 or chuckets@gmail.com

Registration Form – Public Utilities and Waterworks Management Institute:

September 19-23, 2011

Name _____

Business Name _____

Business Address _____

City/State/Zip _____

Business Phone _____

Email address _____

Check Amount Enclosed _____

$499 per student (Do you want the optional university certification? Yes ____ No ____)
(If yes to optional university certification, the total fee is then $549 per student.)

Please remit by check to:

Education and Training Services
Public Utilities and Waterworks Management Institute
PO Box 495
Salt Lake City, Utah 84110
Attn: Chuck Christensen

Call or email Chuck Christensen (see above) to make sure class is not full.

abs
ND SEWAGE PUMP & LIFT STATION SERVICE CO., INC.
24 HOUR SALES & SERVICE
All Makes of Pumps and Control Systems

John Westrum
Office: 701.282.6760
Toll Free: 800.832.7055
Cell: 701.793.7502
Fax: 701.282.3579
jwestrum@ideaone.net

1740 East Main Avenue #3
West Fargo, ND 58078

SEH
3535 Vadnais Center Drive, St. Paul, MN
800.325.2055 • 651.490.2000 • www.sehinc.com
[ARCHITECTS | ENGINEERS | PLANNERS | SCIENTISTS]

Water Treatment is our Business
HAWKINS Water Treatment Group
Hawkins Water Treatment Group has been meeting the requirements of commercial, industrial, municipal and institutional organizations since 1938.
Fargo, ND
701-293-9618
Washburn, ND
701-462-8588

Engineering America
Tony Belden
Cell: 612-868-1097
tbelden@engamerica.com
Rob Gravatt
Cell: 605-212-0821
rgravatt@engamerica.com
Matt Fritze
Cell: 952-239-2264
mfritze@engamerica.com
South Dakota Office: 3530 14th Ave. NW, Watertown, SD 57201
Ph/Fax: 605-886-4224 • www.engamerica.com

FGOH2O INC.

FARGO WATER EQUIPMENT

"The Future of Pipelines....Today"

Fusible PVC™

Fusible C-900® • Fusible C-905® • FPVC™

Underground Solutions, Inc. is the national infrastructure technology leader that developed and provides Fusible PVC™ pipeline products, including Fusible C-900®, Fusible C-905® and FPVC™. These products, when combined with the Underground Solutions® fusion process, provide a monolithic, gasket-free, leak-free, fully restrained piping system with unparalleled strength. The Fusible PVC™ products are ideal in trenchless or conventional pipeline projects for conduit, water and wastewater applications including:

- Horizontal Directional Drilling
- Sliplining
- Pipe-Bursting
- Open Trench

Contact Fargo Water Equipment for all your Fusible PVC™ needs.

4557 15TH Ave N. Fargo. ND 58102
P: 800-437-4034 • F: 701-237-9609
WWW.FGOH2O.COM

JET-WAY
MULTIPLE SERVICES, INC

www.jet-wayinc.com

MEMBER
WJTA
WaterJet Technology Association

HARWOOD, ND

1-800-378-5605

keith@jet-wayinc.com

- ✓ Sewer Cleaning
- ✓ Lift Station Cleaning
- ✓ Water Treatment Plant Cleaning
- ✓ - Vacuuming & Removal of Sand
- ✓ Waste Water Treatment Plant Cleaning
- ✓ Tank Cleaning
- ✓ - Dewatering Roll-Offs
- ✓ - Liquid Waste Roll-Offs
- ✓ - Solid Waste Roll-Offs
- ✓ Industrial Waterblasting (10,000- 40,000 PSI)
- ✓ Industrial Waterblasting (10,000 40,000 PSI)
- ✓ Industrial Vacuuming
- ✓ Hydro Excavating
- ✓ Dewatering Roll-Offs
- ✓ Jet-Vac Sanitary Storm Sewers
- ✓ Clean Lift Stations
- ✓ Culvert Cleaning
- ✓ Dry-Ice Blasting
- ✓ Routine Plant Maintenance
- ✓ Vacuuming of Solid or Liquid Waste & Dust
- ✓ And Much More

PH: 701-282-2356 **1-800-378-5605** **FAX: 701-282-2323**

North Dakota Water Environment Association Executive Committee Meeting Minutes

May 18, 2011

The Executive Committee for the North Dakota Water Environment Association (NDWEA) met at the Seven Seas in Mandan on May 18, 2011. Present were President Karla Olson, President-Elect Don Tucker, Vice President Wei Lin, Past President Seth Lynne, Professional Wastewater Operations Representative Wayne Offerdahl, and Secretary/Treasurer and Delegate Bill Gefroh. Also attending were NDWEA Operations and Safety Committee members Gary Bracht, Terry Rust and Steve Himmelspach, and NDWEA members Brett Yochim and Jessica Wagner.

President Olson called the meeting to order at 11:00 am. President Olson entertained a motion to dispense with the reading and approval of the minutes from the January 25, 2011 meeting as distributed to the Executive Committee members by email. Don Tucker so moved. Wayne Offerdahl seconded the motion, and the motion carried.

Treasurer's Report:
Bill Gefroh presented the Treasurer's Report, which reviewed in detail the receipts and expenses from January through April 30, 2011. The NDWEA net worth, as recorded in the report was $4,928.87, as compared to $5,986.67 last year at this time (a decrease of $1,057.80). President Olson requested a motion to approve the report as presented. Seth Lynne so moved. Wei Lin seconded the motion, and the motion carried.

Membership Report:
Bill Gefroh reported that the current NDWEA membership is 129 compared to 143 at this time last year. The student membership is 22. WEF no longer counts delinquent members (although a three-month grace period beyond expiration is included in the current membership), which accounts for most of the decrease.

Old Business:
Potential topics and speakers were discussed for the 2011 North Dakota Water and Pollution Control Conference (NDWPCC):

1. University of North Dakota (UND) student group classic wastewater design topic "Autothermal Aerobic Waste Activated Sludge Digestion" will be presented at the Water Environment Federation Technical Exposition Conference (WEFTEC) design project – (James Norberg; contact Harvey Gullicks).
2. North Dakota State University (NDSU) student group, environmental topic, "Environmental Water Use in the Oil Field" will be presented at the WEFTEC design project (contact Wei Lin).
3. "Wastewater Treatment and Collections" panel discussion – Karla Olson, Don Tucker, Terry Rust and Wayne Offerdahl.
4. "Industrial Pretreatment EPA Region 8 Hot Topics" panel discussion – Bill Gefroh, Jeff Roerick, William Sukalski and Terry Rust.
5. "Lab Data Interpretation" – Delvin DeBoer with South Dakota State University (contact Seth Lynne).
6. "Nutrient Removal" – Wei Lin.
7. "Fundamentals of Nitrogen and Phosphorus Removal in Wastewater Treatment" – Scott Schaffer.
8. "Phosphorous and Nitrogen Removal and Nutrient Trading" panel discussion – Seth Lynne, Gary Bracht, Mike Ell, Scott Schaffer and Wei Lin.
9. "With All the Oil Comes Much Needed Wastewater Infrastructure" – Jason Benson and Jessica Wagner.
10. "Roadmap for the City of Mandan: A Comprehensive Sanitary Sewer Master Plan" – Jason Benson and Russ Sorenson.
11. "China Tour" – Wei Lin.

Mike Brisben will verify speakers, topic titles and placement onto the 2011 NDWPCC wastewater program.

The NDWEA 2011 Stockholm Junior Water Prize state winner is Gage Metzen from Hankinson High School. The title of his research project is, "Does Agriculture Affect Water Quality." Gage and his science teacher Marcus Friskop will compete nationally June 23-25, 2011 in Chicago, Illinois.

New Business:
A UND and NDSU student chapter presentation track with emphasis on water, wastewater and environmental research was suggested by Wei Lin. Mr. Lin indicated a graduate student presentation track, would provide an opportunity for more students to do presentations and, have peer review, and encourage more students to attend the NDWPCC. It was suggested these presentations be held in the Governor's Room (a smaller room) at the Ramkota in conjunction with the water, wastewater and public works tracks. This idea will be further researched by Karla Olson, Wei Lin and Eric Dodds and communicated to Mike Brisben.

Eric Dodds provided a summary by email of the Water Environment Federation Member Association Exchange meeting that he attended in New Jersey.

- The House of Delegates (HOD) continues to work on Operator Outreach efforts and has asked WEF staff to develop additional surveys related to training at the

member association (MA) level. There is interest in developing regional training opportunities. In some states, the MA handles operator certification and training (taken over from the state). WEF and MAs are considering forming a clearinghouse for the training materials. An operator certification summit at WEF headquarters is scheduled for June 2011. One goal is to develop a definition of "operator," as there is not a clear standard in the industry across states, MAs, cities, etc.

- WEF is very interested in increasing its international presence. While there is an international workgroup that is off to a slow start the aim is to identify partners on the international level that will help WEF expand its reach.
- WEF/MA relationships continue to be a topic, with the focus now on technical committees. The goal is to provide a better link between similar committees at the WEF and MA levels.
- WEF is going through a strategic planning process and are trying to get more feedback. You are encouraged to contact WEF to share your thoughts. Many questions were related to the WEF/MA relationship, the role of the HOD, and its strengths and weaknesses.
- In 2011, the WEF Hot Topic items include nutrients, energy, stormwater, funding, global outreach, operator initiatives and collaboration with the American Water Works Association.

The NDSU student chapter will host the fifth International Student Prairie Conference on environmental issues to be held in Fargo on June 2 – 4, 2011. NDSU, UND, University of Manitoba, and South Dakota State University students will do presentations and tour the Fargo effluent reuse facility and lift stations.

NDWEA will continue to provide the Presidents Service Award. Karla Olson made a motion to purchase a stock quantity of the WEF medallions for the plaques that are no longer provided by WEF. Seth Lynne seconded the motion, and the motion carried.

With no further business, Terry Rust make a motion to adjourn, Wayne Offerdahl seconded the motion, and the meeting adjourned at 12:45 pm.

Respectfully submitted,
Bill Gefroh
NDWEA Secretary-Treasurer

SIOUX VALLEY ENVIRONMENTAL

WATER AND WASTE WATER TREATMENT

CONTACT US

sven@svenviro.com

1-800-658-3955

Fax: 605-336-3610

Verderflex Dura Hose Pumps

Wold Engineering, P.C.

Consulting Engineers & Land Surveyors

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

Apex Engineering Group

Fresh thinking. Practical solutions.

www.ApexEngGroup.com | info@ApexEngGroup.com

Jim Mahony
Area Sales Manager

HOBAS

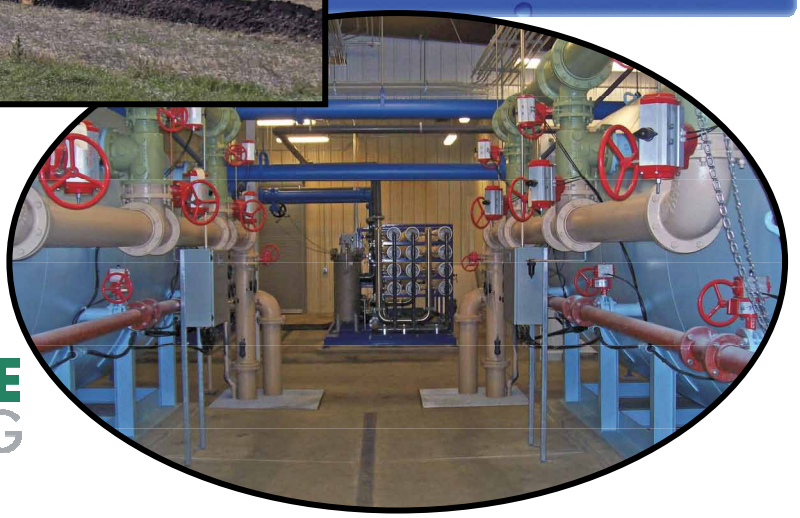
7613 Ashley Circle
Johnston, IA 50131
Office : (515) 334-0888
Fax: (515) 334-7125
Cell: (515) 306-6000
Email: jmahony@hobaspipe.com

HOBAS PIPE USA, Inc.
1413 E. Richey Road
Houston, Texas 77073-3508
Office: (281) 821-2200
(800) 856-7473
Fax: (281) 821-7715

www.interstateeng.com

Professionals you need, people you trust

Offering Innovative Engineering Solutions Since 1976



ND Offices:

Jamestown • Beulah
Mandan • Wahpeton

Other Offices:

MONTANA • MINNESOTA
SOUTH DAKOTA

INTERSTATE ENGINEERING

Ellingson COMPANIES

For over 40 years Ellingson Companies has been providing our customers quality projects on budget and on time.

Ellingson Companies provides a number of trenchless technologies, water and wastewater solutions and design-build opportunities to help save your community time and money including:

- Pressure Sewer
- Community Sewer
- Directional Drilling
- Pipe Bursting
- Pipe Ramming
- Wastewater Treatment
- Utility Installation
- Sewer Line Repair (CIPP)
- Vacuum Excavation
- Slip Lining

Contact Ellingson Companies today at 888.527.2294 or visit us online at www.EllingsonCompanies.com to get an estimate and to schedule your next project.

WEST CONCORD, MINNESOTA HARWOOD, NORTH DAKOTA www.EllingsonCompanies.com

Treatment Resources' fifty years of combined experience in water treatment makes us uniquely qualified to meet your objectives. We represent the finest manufacturers in the industry and have worked with hundreds of municipalities and their consulting engineers to solve their water treatment problems. For more information visit us online or call us at (651) 702-2692.

TREATMENT RESOURCES
Offering innovative process solutions.
treatmentresources.com

EXPOSE YOURSELF

YP Poster Competition

at the NDWPCC

Young Professional
Poster Competition
Oct. 12, 2011

Be seen and heard by industry professionals!

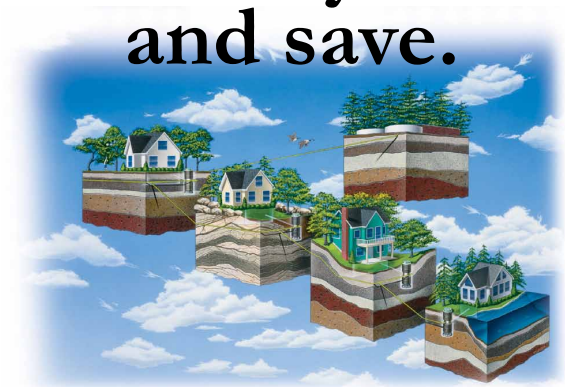
BE SEEN! Posters will be on display for the public at the Conference from 7:30–11:30 am, Wednesday, October 12th.

BE HEARD! Presenters should be at their posters to explain their projects from 8:00-11:00 am, during which time judging will take place.

WIN BIG! The winner will be announced at the Wednesday evening banquet and will receive free registration to ACE in June 2012 in Dallas TX from AWWA, as well as $1500 towards travel expenses from NDAWWA.

Contestants should be AWWA members new to presenting. Winner will be expected to present at ACE. Contact Meredith Quinn at 701-746-8087 or meredith.quinn@ae2s.com

Sewer anywhere and save.



Flat, wet, rocky, hilly — E/One Sewer systems can make tough sites buildable

With E/One Sewer systems, you can develop parcels where gravity sewers are too expensive — or simply impossible to put in.

No massive trenches. The E/One low pressure system uses a small main in a shallow trench that follows the contour of the land. You can sewer virtually anywhere, including sites where old septic systems may be dying and polluting.

Represented locally by Electric Pump
Tel. 701.293.0371 / 800.211.6432

EP ELECTRIC PUMP

WATER WORKS BRASS AND PIPELINE PRODUCTS

THE FORD METER BOX COMPANY, INC.
FORD
http://www.fordmeterbox.com
260-563-3171
UNIFLANGE

VESSCO INC.

Terry Schiro
Manager Chemical Feed Systems
Direct 952-314-0636
Fax 952-314-0637
Cell 612-805-8917
tschiro@vessco.com

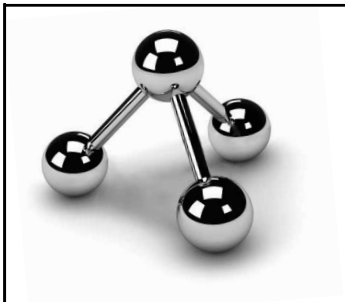
Chanhassen, MN *A Process Equipment Company* *Ames, IA*
8217 Upland Circle • Chanhassen, MN 55317
Phone (952) 941-2678 • Fax (952) 941-0796 • www.vessco.com

Fargo Water Equipment Company

Box 128, Fargo ND 58107
Phone: 800-437-4034
Fax: 701-237-9609
www.fgoh2o.com
Jack Hendrickson, Kurt Losee, Dean Eilertson, Tom Humphrey

FGOH2O INC.
FARGO WATER EQUIPMENT

Services/Products: A.Y.McDonald brass goods, Watts pressure reducing valves and control valves, American Flow Control hydrants and valves, PVC pipe and fittings, Sensus water meters and systems, Fusible PVC pipe, poly pressure pipe with TDW fusion equipment, HDPE dual wall pipe, GIL flush hydrants.
Area served: Minnesota and North Dakota



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

AE2S
Think Big. Go Beyond.
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

Drinking Water Program Directory		
Program Administrator	Larry Thelen	701-328-5257
Acrylamide and Epichlorohydrin Rule	Gary Stefanovsky	701-328-5287
Arsenic Rule	Katie Luther	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
Filter and Backwash Recycle Rule	Gary Stefanovsky	701-328-5287
Fluoride Addition	Katie Luther	701-328-5258
Groundwater Rule	Gary Stefanovsky	701-328-5287
Inspections: Northeast	Gregg Stewart	701-328-6621
Inspections: Northwest	Bob Markhouse	701-328-6623
Inspections: Southeast	Rachel Wolff	701-328-6375
Inspections: Southwest	Andrew Hager	701-328-6624
Lead and Copper Rule	Katie Luther	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	Katie Luther	701-328-5258
Operator Certification	Craig Bartholomay	701-328-6626
Operator Expense Reimbursement	Tara Ritter	701-328-5269
Operator Training	Mike Brisben	701-328-6622
Pesticides (SOCs)	Lydia Fewless	701-328-5221
Primary and Secondary Inorganics	Lydia Fewless	701-328-5221
Public Notice Rule	LeeAnn Tillotson	701-328-5293
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	Gary Bracht	701-328-5227
Animal Feeding Operations	Brady Espe Karl Rockeman	701-328-5228 701-328-5225
Biosolids	Marty Haroldson Gary Bracht	701-328-5234 701-328-5227
Construction Stormwater	Dallas Grossman Jeannie Schultz	701-328-5242 701-328-5244
Dewatering and Hydrostatic Testing	Marty Haroldson	701-328-5234
Discharge Monitoring Reports (DMRs)	Curt Steier Marty Haroldson	701-328-5260 701-328-5234
DMR Quality Assurance (QA) Study	Marty Haroldson	701-328-5234
Industrial Pretreatment	Jeff Roerick	701-328-5240
Industrial Stormwater	Dallas Grossman Jeannie Schultz	701-328-5242 701-328-5244
Inspections	All Staff	701-328-5210
Lagoon Overflows/Releases/Spills	All Staff	701-328-5210
MS4 Stormwater	Dallas Grossman Jeannie Schultz	701-328-5242 701-328-5244
Public Notices/NDPDES Permits	Curt Steier	701-328-5260
Septic Pumper	Marty Haroldson	701-328-5234
Wastewater Discharge Approvals	Curt Steier Marty Haroldson	701-328-5260 701-328-5234
Central Phone: 701-328-5210		**Fax: 701-328-5200**

Complete Solutions for Chemical Metering and Chlorine Monitoring from ProMinent & Vessco, Inc.

- Flows up to **264** gph
- Microprocessor based technology
- Certified to **NSF/ANSI 61** (acrylic or PVDF liquid ends)
- Auto-degassing liquid ends ideal for off-gassing chemicals
- Integral bleed valve eliminates priming issues

- Chlorine control (with amperometric sensors) **EPA method 334.0 compliant**
- Temperature and pH correcting values
- One programmable analog output (D1Cb)
- On/Off, Proportional or PID control
- Alarm and relay control
- Standard pre-designed system packages (shown to the right)

ProMinent®

Vessco, Inc.
8217 Upland Circle
Chanhassen, MN 55317
Phone: 952-941-2678 | www.vessco.com

ProMinent Fluid Controls, Inc.
136 Industrial Drive
Pittsburgh, PA 15275
Phone: 412-787-2484 | www.prominent.us

Water Quality and Supply

At Houston Engineering, we have been managing water quality and supply for more than 40 years.

We are recognized experts in the field and can help you with every step of the process.

Capabilities

- Conservation Plans
- Harbor Modeling
- Modeling of Lakes and Rivers
- Water Supply Monitoring
- Feasibility Studies
- Stormwater System Modeling
- TMDLs Studies
- Watershed Plans
- Floodplain Mapping
- Drainage Systems
- Hydraulic Studies
- Hydrology Studies

When you need experience, we have it covered.

HoustonEngineering Inc.

houstoneng.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

Apex Engineering Group
Water | Transportation | Municipal

Fresh thinking. Practical solutions.

Fargo | 701 373 7980
Bismarck | 701 323 3950

www.ApexEngGroup.com

info@ApexEngGroup.com