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

www.wsn.us.com

engineering architecture land surveying environmental services alexandria baxter bemidji crookston grand forks red wing rochester sioux falls
Members of the Conference are indebted to those members and others who have contributed articles and other materials for this publication.
Background
In the summer of 2006, a new 100-million-gallon (MG) ethanol plant was being planned in eastern North Dakota. The developers of the ethanol plant originally wanted to construct the ethanol plant near their hometown of Clifford, North Dakota. However, due to truck and rail transportation accessibility and power availability problems, the ethanol plant was sited just west of Casselton, North Dakota, which is approximately 25 miles west of Fargo along Interstate 94 and approximately 35 miles south of Clifford. Final site selection for the ethanol plant primarily focused on rail access, truck access, crop availability, and power availability. An adequate water supply and wastewater discharge capabilities were not major considerations in the site-selection process.

The water supply requirements for the ethanol plant were estimated to range from approximately 790,000 gallons per day (gpd) during winter months to 1.4 million gallons per day (mgd) during warm summer months, with an annual average demand of approximately 955,000 gpd. The water supply requirements for the ethanol plant are presented in Figure 1. Water use in an ethanol plant is for three purposes: (1) process water, (2) boiler feed water, and (3) cooling tower water. As with many industries, the variable water supply requirements are largely due to higher evaporation rates from the cooling tower during warmer summer months.

The rural area surrounding the original ethanol plant site (near Clifford) is provided drinking water via Traill Rural Water District (TRWD). Legislation regarding rural water system boundaries established the right for rural water districts to sell water to users within their defined service areas. The ethanol plant developers entered into detailed discussions regarding water supply from TRWD and developed a concept of constructing a new membrane treatment plant that would expand water service for TRWD and provide water supply for the ethanol plant.

When an alternate site was considered in the Casselton area, discussions with another rural water district, Cass Rural Water Users District (CRWUD), began. During this time, discussions with TRWD continued, but CRWUD had the legal right to sell water to the ethanol plant, which would be a major water user and revenue stream for the rural water district.

However, neither TRWD nor CRWUD had adequate water appropriations to supply the ethanol plant, and acquiring a new water appropriation involves a lengthy regulatory review process that exceeded the acceptable timeline of the ethanol plant developers. The limited existing water appropriations and limited water supply infrastructure posed significant technical, logistical, and regulatory challenges for the regional water systems. To combat the challenges associated with quickly obtaining a new water appropriation in a quantity-limited, drought-susceptible region, ethanol plant leaders approached Fargo city representatives in the fall of 2006. A map of eastern North Dakota showing the rural water districts, ethanol plant location, and the city of Fargo is presented in Figure 2.
Fargo Water Supply
The city of Fargo, located approximately 25 miles east of the ethanol plant site is the largest city in North Dakota. When the ethanol plant leaders first approached Fargo representatives, the discussions focused on the city’s drinking water supply system because the city holds significant surface water appropriations from the Red River and Sheyenne River. The city’s water appropriations include a permitted withdrawal from the Red River of 150 cubic feet per second (cfs) (~97 mgd) and two permitted withdrawals from the Sheyenne River for a combined rate of 79 cfs (~51 mgd). The city’s permitted water supply far exceeds its current water demand, but the permitted rates are available for growth. With an understanding of Fargo’s available water appropriations, ethanol plant leaders hoped they could obtain a reliable water supply from Fargo’s drinking water system.

Supply from the city’s drinking water system, however, presented its own challenges. The city has been working on long-term water supply planning for its own users for years due to concerns associated with drought impacts on surface waters in eastern North Dakota. Due to the significant attention that the region had placed on long-term, reliable water for eastern North Dakota, the city leaders were hesitant to commit a large portion of its drinking water stream to the ethanol plant. In addition, economics of supplying potable water to the ethanol plant resulted in the determination that the city’s drinking water supply did not fit into the economic plan for the ethanol plant. The city’s water rates (2007), presented in Table 1, included a fixed charge based on meter size along with a declining block volumetric charge.

Table 1: City of Fargo Water Rates, 2007.

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>Minimum Charge ($ per monty)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot;</td>
<td>$8.10</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>$16.20</td>
</tr>
<tr>
<td>1&quot;</td>
<td>$23.00</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>$35.50</td>
</tr>
<tr>
<td>2&quot;</td>
<td>$51.00</td>
</tr>
<tr>
<td>3&quot;</td>
<td>$104.00</td>
</tr>
<tr>
<td>4&quot;</td>
<td>$171.00</td>
</tr>
<tr>
<td>6&quot;</td>
<td>$343.00</td>
</tr>
<tr>
<td>8&quot;</td>
<td>$478.00</td>
</tr>
<tr>
<td>10&quot;</td>
<td>$686.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water Use (gallons per month)</th>
<th>Volumetric Charge ($ per 1,000 gallons per month)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,000-200,000</td>
<td>$4.15</td>
</tr>
<tr>
<td>200,000 - 2,000,000</td>
<td>$3.80</td>
</tr>
<tr>
<td>&gt;2,000,000</td>
<td>$3.45</td>
</tr>
</tbody>
</table>

Fargo Wastewater Supply
Leaders of the city and ethanol plant were both optimistic about working together to find a solution. The ethanol plant leaders needed a reliable water supply to move their project forward, and the city’s leaders were excited about the potential revenue associated with supplying water to the ethanol plant. In the group’s persistence to devise a water supply solution, the city’s Enterprise Director suggested wastewater reuse as a potential alternative. The city owns...
and operates a trickling filter wastewater treatment plant with a sustained average discharge of approximately 11 mgd. It is rare for the ethanol industry to consider wastewater reuse as a viable water supply option, but after further consideration of their options and a basic understanding of advanced wastewater reuse technology, the wastewater reuse concept became an attractive option to the ethanol plant leaders. As a result, work quickly began to define the project requirements.

Permitting Process
Through the concept development stages with the ethanol plant, the city also held several discussions with the North Dakota State Water Commission (NDSWC) regarding water supply issues. The NDSWC indicated that the city has the right to use all of its water (including wastewater) to extinction if the water is used for “normal and customary” purposes inside the city limits. Since the ethanol plant is located outside city limits and its water use is not “normal and customary,” the NDSWC required a new permit for diverting wastewater away from its receiving stream, the Red River, which serves as the primary water supply source for several downstream communities and industries. As such, the wastewater diversion required a new water supply permit, which the ethanol plant was trying to avoid due to the typically lengthy permitting process that is normally associated with new permit applications.

The city of Fargo elected to apply for two new water supply permits for reuse of wastewater effluent. The first new permit application was for industrial use purposes for 4,480 acre-feet (annual use) intended for supplying the ethanol plant. The second new permit application was for rural/domestic water use purposes for 4,480 acre-feet (annual use). The second permit application did not have a specific user in mind at that time but was submitted for future consideration.

To satisfy the NDSWC and speed up the permitting process, the city of Fargo completed an evaluation of river flows compared to water supply requirements for several segments of the Red River downstream of the city of Fargo. For the analysis, historical river flows from 1987 through 2007 at three river gauging stations were compared to downstream permitted water withdrawal rates. The three river gauging stations, or nodes, include: (1) confluence of the Sheyenne River and Red River just downstream of Fargo; (2) Red River near Halstad, Minnesota; and (3) Red River just downstream of Grand Forks and just downstream of the confluence of the Red Lake River and Red River. Permitted water supplies from downstream water users were subtracted from historical river flows at each node. The two new appropriation requests from the city of Fargo (industrial permit and rural/domestic permit) were also added to the permitted water withdrawals to determine whether river flows could sustain the new permits. A graphic depiction of the nodes and water users for this evaluation is presented in Figure 3.

Results of the flow-versus-demand analysis revealed the lowest flows in the last 20-year period generally occurred in the late 1980s and early 1990s. The low flows experienced in the late 1980s were associated with a lack of precipitation (exceptionally dry weather pattern) in 1988 and 1989. The flows experienced during this time period fell below 4,000 acre-feet per month in December 1988 at the confluence of the Sheyenne River and Red River (Flow Node 1). More recently, relatively low flows occurred in late 2003 into early 2004, ranging from just over 10,000 acre-feet of flow per month at the confluence of the Sheyenne River and Red River (Flow Node 1) to approximately 18,000 acre-feet of flow per month at Grand Forks (Flow Node 3). Available water at Grand Forks is relatively high (as compared to the other nodes) due to the contribution from the Red Lake River. In the end, the flow-versus-demand evaluation for the Red River downstream of Fargo concluded that even during times of high demand and low river flows, such as drought conditions in the late 1980s, the volume of water in the Red River exceeded all water supply requirements. Through this analysis, the city of Fargo successfully provided enough information to the NDSWC to conditionally approve the city’s point-of-diversion permit and the water supply concept.

Three-way Memorandum of Understanding
With NDSWC approval, the city of Fargo, CRWUD, and the ethanol plant moved forward with the wastewater reuse water supply project. Based on the water quality requirements defined by the ethanol plant and the Fargo wastewater treatment facility (WWTF) effluent water quality, the city of Fargo determined that multiple membrane technologies, including full reverse osmosis treatment, would be required. The water quality requirements for the ethanol plant and the Fargo WWTF effluent water quality are presented in Table 2.

Table 2: Water Quality Parameters - Minimum Supply Requirements and Estimated Fargo WWTF Effluent Concentrations, in parts per million (ppm).

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Ethanol Water Quality</th>
<th>Estimated Fargo WWTF Effluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chloride (Cl)</td>
<td>&lt; 10 ppm</td>
<td>90-120 ppm</td>
</tr>
<tr>
<td>Calcium (Ca&lt;sup&gt;2+&lt;/sup&gt;)</td>
<td>&lt; 10 ppm</td>
<td>60-85 ppm</td>
</tr>
<tr>
<td>Hardness as (CaCO&lt;sub&gt;3&lt;/sub&gt;)</td>
<td>&lt; 10 ppm</td>
<td>300-500 ppm</td>
</tr>
<tr>
<td>Silicon (SiO&lt;sub&gt;2&lt;/sub&gt;)</td>
<td>&lt; 3 ppm</td>
<td>5-8 ppm</td>
</tr>
<tr>
<td>Bio Oxygen Demand (BOD&lt;sub&gt;5&lt;/sub&gt;)</td>
<td>&lt; 2 ppm</td>
<td>5-15 ppm</td>
</tr>
<tr>
<td>pH</td>
<td>7 to 8.5</td>
<td>7-8</td>
</tr>
</tbody>
</table>

A Memorandum of Understanding (MOU) between the city of Fargo, CRWUD, and the ethanol plant was drafted to document the project specifics. The MOU expanded
Figure 3: Red River flow nodes and water demands

- Pembina
- Other Demands
- American Crystal Sugar
- Drayton
- Grafton
- Combined ND Irrigation
  DEBs 3/9 (Grand Forks to Emerson)
- City of Grand Forks
- Aggregate Industries
- Minnkota Power Cooperative
- Combined ND Irrigation
  DEB 17 (Halstad to Grand Forks)
- American Crystal Sugar
- Combined ND Irrigation
  DEB 26 (Fargo to Halstad)
- Red River at Grand Forks
- Red River Near Halstad
- Confluence of the Sheyenne and Red Rivers
on the preliminary project concept to define the treatment requirements, the requirements of each project component, the responsibilities of each entity, the project timelines, cost participation, operation and maintenance requirements and responsibilities. The MOU became a very comprehensive document that required several months to complete.

The final MOU defined that the city of Fargo would operate an Effluent Reuse Facility (ERF) capable of producing 1.4 mgd of reverse osmosis quality water. The city of Fargo would sell reclaimed water to CRWUD, who will in turn sell the reclaimed water to the ethanol plant. It was defined that CRWUD would be responsible for construction of the ERF, while the city would be responsible for providing the WWTF effluent, a site for construction of the facility, and operation of the membrane facility. The ethanol plant would use the reclaimed wastewater for boiler feed water, cooling tower water, and ethanol production process water. In addition, the MOU defined that the ethanol plant would send its cooling tower blow-down water back to the Fargo WWTF for treatment and discharge. Fargo and CRWUD would also share responsibility for construction of parallel 26-mile pipelines to/from the Fargo WWTF and the ethanol plant. A project schematic of the wastewater reuse project concept that was developed as an attachment to the MOU is presented in Figure 4.

One of the critical parts of the MOU was to define the cost participation for the project. Since the ethanol plant was the sole user of the reclaimed water, its financial responsibility included the capital cost of the ERF as well as the pumping station and pipelines. The capital costs for the project were split into three components: (1) the pipelines between the Fargo WWTF and the ethanol plant; (2) the ERF building, including the high service pump station; and (3) the treatment process equipment. CRWUD and the ethanol plant retained two local engineering firms to complete the design of the pipelines and ERF. The city of Fargo and its consultant provided detailed review of the design and other project documents.

The pipelines include approximately 26 miles of 12-inch water supply pipeline from Fargo to the ethanol plant and approximately 26 miles of 8-inch return pipeline back to the Fargo WWTF. Both pipelines were designed and constructed primarily using rural water standard practices, which include

---

**Figure 4: Wastewater reuse project schematic**
limited backfill and compaction and ASTM standard PVC pipe. The portion of the pipelines that were constructed within Fargo’s city limits were constructed using municipal standard pipeline construction practices and purple AWWA C900 PVC pipe. The low bid for the pipeline project was approximately $3.8 million.

The firm hired by CRWUD to design the ERF conducted interviews of various treatment process equipment suppliers and ultimately elected to sole source the majority of the treatment process equipment from Siemens. The treatment process includes three pressurized ultrafiltration (UF) skids as pretreatment for four reverse osmosis (RO) skids. Siemens was responsible for providing the membrane treatment units and the chemical cleaning systems. The negotiated equipment procurement contract for these items included a capital cost of approximately $3.3 million.

In addition to housing the membrane treatment equipment, the ERF includes an operating room, a mechanical room, an electrical room, a chemical storage room, and the high service pumps. The building is constructed with block and brick walls to match the existing buildings at the Fargo WWTF, a double Tee roof, and floating concrete slab floor. The ERF building was designed and bid using normal bidding procedures, and the low bid was approximately $5.3 million.

The total capital cost for the treatment portion of the ERF, including the equipment procured from Siemens and the ERF building, was approximately $8.6 million. Based on the rated capacity of 1.4 mgd, this equates to a cost of approximately $6 per gallon.

With respect to operation and maintenance (O&M) costs, it was defined in the MOU that the city of Fargo would own the water resource and operate the ERF. The city of Fargo defined the value of the water service at $1.50 per 1,000 gallons. O&M costs for wastewater reuse systems with dual membrane treatment processes are not readily documented, so the city estimated the O&M costs for the ERF at $1.02 per 1,000 gallons. As such, the MOU states that the city will sell the reclaimed water to CRWUD for $2.52 per 1,000 gallon. CRWUD will charge the ethanol plant another $0.40 per 1,000 gallons for pipeline O&M and administrative costs. Since the true O&M costs for the ERF will not be fully defined until after successful operation, the O&M costs are adjustable on a five-year cycle. Additional provisions

Figure 5: Treatment process schematic
cover regular water service rate increases as well as large, unforeseen costs associated with major repairs.

Cooperation Leads to Success
The project design and equipment procurement was completed with review and input from all three stakeholders. The selected water reclamation process utilizes ultrafiltration (UF) membranes followed by reverse osmosis (RO) membranes to meet the water quality and quantity requirements of the ethanol plant. A process schematic is presented in Figure 5.

The final design for the ERF includes diverting treated effluent from the Fargo WWTF final clarifiers into a wet well in the new ERF. The treated effluent is pumped through strainers and three UF membrane skids. The UF backwash is directed to the WWTF headworks through an adjacent gravity sewer. The UF filtrate discharges to a second wet well where it is pumped to three RO membrane skids. The RO concentrate is blended with the WWTF effluent stream prior to chlorination and then discharged to the receiving stream. The RO permeate discharges to a clearwell where high pressure pumps then pump the reclaimed water to the ethanol plant. The cooling tower blow-down water is returned from the ethanol plant to the WWTF headworks. Chemicals used in the process include chloramines to protect against bio-fouling of the membranes, anti-scalant for membrane protection, and strong and weak acid solutions for membrane cleaning. (See Figure 5 on page 9.)

This project showcases the exciting outcomes that resulted from an industry’s need for a high quality water supply, combined with the city’s resourceful and productive approach, collaboration with CRWUD, and advanced water reclamation technologies. The emergence of membrane technologies for treating wastewater effluent is a cornerstone in the success of this project that will help bring economic development to the region.

Looking to the Future
Now that the project is completed and operational, the city of Fargo is continuing to consider potential options for expanding its wastewater reuse system. In addition to potentially supplying additional water users with reclaimed water, the city views the wastewater reuse system as a potential component of its drought management strategy that could effectively reduce their water supply requirements during severe drought conditions.
President’s Letter

Dear Conference Members and Friends of the Conference:

The annual convention of the North Dakota Water and Pollution Control Conference is an effort jointly sponsored by the North Dakota Water and Pollution Control Conference, the North Dakota Water Environment Association, the North Dakota Section of the American Water Works Association and the North Dakota Chapter of the American Public Works Association. On behalf of these sponsoring organizations, it gives me great pleasure to invite you to attend the 82nd Annual Conference on October 12, 13 and 14 at the Holiday Inn of Fargo.

Each year, the sponsoring organizations assemble technical sessions highlighting projects and issues affecting our region. The conference program this year continues that tradition and provides opportunities for professional growth, a vendor exhibition hall, tours of municipal facilities, a setting for socializing and networking with peers, and the chance to recognize outstanding accomplishments of our colleagues.

You are an important part of the success of the Annual Conference. I hope you will attend and look forward to seeing you in Fargo!

Sincerely,
Miranda Kleven, President
North Dakota Water and Pollution Control Conference

2010 Conference Officers

CHUCK ABEL  
Bismarck  
PRESIDENT-ELECT

KARLA OLSON  
Fargo  
VICE PRESIDENT

BILL GEFROH  
Bismarck  
DIRECTOR

GARY BRACHT  
Bismarck  
DIRECTOR

DEAN SLET TEN  
Moorhead  
DIRECTOR

DAN JONASSON  
Minot  
DIRECTOR

STEVE LAGRO  
Bismarck  
ASSOCIATE DIRECTOR

MIKE BRISBEN  
Bismarck  
SECRETARY-TREASURER
OFFICERS

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE
Miranda Kleven, President···············Grand Forks
Chuck Abel, President-Elect···············Bismarck
Karla Olson, Vice President················Fargo
Mike Brisben, Secretary-Treasurer········Bismarck
Bill Gefroh, Director·························Bismarck
Gary Bracht, Director·························Bismarck
Dean Sletten, Director·························Bismarck
Dan Jonasson, Director·························Minot
Steve Largo, Associate Director········Bismarck
Lisa Ansley, Past President················Bismarck

NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION
Roger “Skip” Rapp, President···············Dickinson
Karla Olson, President-Elect················Fargo
Don Tucker, Vice President················Grand Forks
Bill Gefroh, Secretary-Treasurer········Bismarck
Tom Welle, WEF Director······················Moorhead
Terry Rust, PWOD Representative··········West Fargo
Eric Dodds, Past President···················Moorhead

NORTH DAKOTA CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION
Darin Schaeffer, President··············Bismarck
Shawn Soehren, Vice President··············Dickinson
Dan Jonasson, Secretary-Treasurer········Minot
Chuck Abel, Executive Secretary··············Bismarck
Rusten Roteliuk, Interim Delegate············Minot
Chad Zander, Director························West Fargo
Rick Gillund, Director························Enderlin
Roger Grimsley, Director······················Grand Forks
Lance Meyer, Director························Minot
Rusten Roteliuk, Past President··············Minot

NORTH DAKOTA SECTION OF THE AMERICAN WATER WORKS ASSOCIATION
Duane Friesz, Chair···························Mandan
Dean Sletten, Chair-Elect·······················Mandan
Lisa Ansley, Director···························Bismarck
Tim Paustian, Trustee····························Fargo
Eric Volk, Trustee····························Anamoose
Jason Sorenson, Trustee························Minot
Dennis Larson, Trustee·························Park River
Chad Miller, Secretary-Treasurer··············Bismarck
Greg Wavra, Assistant Secretary-Treasurer····Bismarck
Joe Ferguson, Past Chair························Grand Forks
REGISTRATION FORM

JOINT MEETING OF THE
NORTH DAKOTA WATER & POLLUTION CONTROL CONFERENCE
NORTH DAKOTA CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION
NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION
NORTH DAKOTA SECTION OF THE AMERICAN WATER WORKS ASSOCIATION
October 12, 13 and 14, 2010, Holiday Inn, Fargo, North Dakota (701) 282-2700

A. PACKAGE REGISTRATION ($140.00)
   Includes all fees for registration
   banquet, buffet, and noon luncheons
   PACKAGE REGISTRATION
   AFTER SEPTEMBER 24, 2010
   ($160.00)

B. INDIVIDUAL COSTS IF PACKAGE NOT SELECTED
   Registration ($55.00)
   Student Registration ($10.00)
   Tues. Luncheon ($13.00)
   Tues. Evening Buffet ($29.00)
   Wed. Buffet Breakfast (Sponsored by Tabletop Exhibitors)
   Wed. Luncheon ($12.00)
   Wed. Evening Banquet ($31.00)
   Thurs. Luncheon ($11.00)

C. SPOUSE/GUEST
   Name
   Please include any meals your spouse/guest
   is planning to attend:
   Tues. Luncheon ($13.00)
   Tues. Buffet ($29.00)
   Wed. Breakfast (Free)
   Wed. Luncheon ($12.00)
   Wed. Banquet ($31.00)
   Thurs. Luncheon ($11.00)

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 Fargo municipal facilities
   on Wednesday morning?
   Transportation will be provided.

F. USE ONLY ONE NAME PER APPLICATION.
   (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 Receipt
   Entered
Water makes the weather better. . . Water . . our most precious resource.
# 2010 MEETING SCHEDULE

## Monday

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

## Tuesday

7:30 - 11:30 a.m.  
**Water and Wastewater Operator Certification Examinations**  
North Dakota Department of Health  
Mezzanine Suite I and II

7:30 a.m.  
**Officers Meeting**  
NDAWWA  
Frontier Room of Dakota Hall

8:00 a.m.  
**Officers Meeting**  
North Dakota Chapter of the American Public Works Association (NDCAPWA)  
Embassy A Room

8:00 a.m.  
**Officers Meeting**  
North Dakota Water Environment Association (NDWEA)  
Embassy B Room

9:30 a.m.  
**Officers Meeting**  
Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC), the NDCAPWA, the NDWEA, and the NDAWWA  
Frontier Room of Dakota Hall

10:30 a.m.  
**AWWA Committee Meetings**  
NDAWWA  
Frontier Room of Dakota Hall

11:30 a.m.  
**Business Meeting**  
NDCAPWA  
Sterling and Crowne Rooms of the Great Hall

1:30 - 4:15 p.m.  
**Concurrent Sessions**  
Dakota Hall and Harvest Hall

## Wednesday

9:00 a.m.  
**North Dakota Operator Certification Advisory Committee Meeting**  
Mezzanine Suite IV

12:00 p.m.  
**Business Meeting**  
NDAWWA  
Pool Patio

1:30 - 4:15 p.m.  
**Concurrent Sessions**  
Dakota Hall and Harvest Hall

## Thursday

7:30 a.m.  
**Annual Public Works Directors and City Engineers Meeting**  
Mezzanine Suite I

8:30 - 11:15 a.m.  
**Concurrent Sessions**  
Dakota Hall and Harvest Hall

11:30 a.m.  
**Business Meetings**  
NDWEA and NDWPCC  
Sterling and Crowne Rooms of the Great Hall

## FUTURE CONFERENCES

- **2011** - Bismarck, October 11, 12 and 13, Ramkota Hotel
- **2012** - Minot, October 16, 17 and 18, Grand International Inn
- **2013** - Grand Forks, October 22, 23 and 24, Alerus Center
TUESDAY, OCTOBER 12, 2010
AFTERNOON CONCURRENT SESSIONS

Welcome: Fargo Mayor Dennis Walaker
NDWEA President Skip Rapp

Session A
Dakota Hall
Moderator: Sarah Volk, PR Committee, NDAWWA

1:30 p.m. Title: To Be Announced
Speaker: Don Broussard, Vice President AWWA, Water Operations Manager, Lafayette, Louisiana Utilities System

2:30 p.m. Title: "Arsenic Removal Using Iron-Impregnated, Granular-Activated Carbon"
Speaker: Qigang Chang, PhD Candidate, NDSU

3:00 p.m. Break, Sterling and Crowne Rooms
3:15 p.m. Title: "Stage 2 DBPR - Getting to Know More"
Speaker: Lydia Fewless, Environmental Scientist, ND Department of Health

4:15 p.m. Adjourn

Session B
Executive and Board Rooms of Harvest Hall
Moderator: Skip Rapp, President, NDWEA

1:30 p.m. Title: "Sanitary Collection System Improvements - South Fargo's Future"
Speakers: Brenda Derrig, City of Fargo
Tim Paustian, Project Manager, Ulteig Engineers, Inc.

2:30 p.m. Title: "Fargo Flood Project"
Speaker: April Walker, City of Fargo

3:00 p.m. Break, Sterling and Crowne Rooms
3:15 p.m. Title: "NDSU AWWA/WEF Student Chapter WEFTEC Design Project"
Speaker: To Be Announced

4:15 p.m. Adjourn

Session C
Director's and Conference Rooms of Harvest Hall
Moderator:

1:30 p.m. Title: "High Resolution LiDAR, Oblique and Ortho Imagery for Public Works and Flood Mitigation and Response"
Speaker: Peter White, Regional Technical Manager, Pictometry International

2:30 p.m. Title: "Funding Capital Improvements"
Speaker: AE2S

3:00 p.m. Break, Sterling and Crowne Rooms
3:15 p.m. Title: "Doing Fast-track Concrete the Right Way"
Speaker: David Sethre, Marketing Director, ND Ready Mix & Concrete Products Association

4:15 p.m. Adjourn
**WEDNESDAY, OCTOBER 13, 2010**  
**AFTERNOON CONCURRENT SESSIONS**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 p.m.</td>
<td>“Distribution Modeling, Mapping, and Monitoring”</td>
<td>“Algae-Assisted Wastewater Treatment and Nutrient Removal”</td>
<td>“What’s New in Concrete Admixtures”</td>
</tr>
<tr>
<td>Speaker:</td>
<td>AE2S</td>
<td>Speaker:</td>
<td>David R. Stewart, Chief Technical Officer</td>
</tr>
<tr>
<td></td>
<td>Scott Schmidt, Ferguson Waterworks</td>
<td>David R. Stewart, Chief Technical Officer</td>
<td>David Sethre, Marketing Director, ND Ready Mix &amp; Concrete Products Association</td>
</tr>
<tr>
<td>2:00 p.m.</td>
<td>“Back to Basics”</td>
<td>“WWTP Design for Energy Efficiency”</td>
<td>“GIS for Public Works”</td>
</tr>
<tr>
<td>Speaker:</td>
<td>Scott Schmidt, Ferguson Waterworks</td>
<td>Tracy Ekola, Senior Project Manager, SEH</td>
<td>Jason Fetch, GIS Project Manager, Bartlett &amp; West, Inc.</td>
</tr>
<tr>
<td></td>
<td>Dustin Maas, Project Engineer, SEH</td>
<td>Dustin Maas, Project Engineer, SEH</td>
<td>Dustin Maas, Project Engineer, SEH</td>
</tr>
<tr>
<td>3:00 p.m.</td>
<td>Break, Pool Patio</td>
<td>3:00 p.m.</td>
<td>Break, Pool Patio</td>
</tr>
<tr>
<td>3:15 p.m.</td>
<td>“Water System Panel Discussion”</td>
<td>“Wastewater System Panel Discussion”</td>
<td>“Practical Applications of GIS in Public Works”</td>
</tr>
<tr>
<td>Speakers:</td>
<td>Andy Job, City of Grand Forks</td>
<td>Speakers:</td>
<td>Bill Grefoh, City of Bismarck</td>
</tr>
<tr>
<td></td>
<td>Mike Gramfsgaard, City of Devils Lake</td>
<td>Bill Grefoh, City of Bismarck</td>
<td>Neil Dobler, Public Works Division</td>
</tr>
<tr>
<td></td>
<td>Jeron Fueller, City of Bismarck</td>
<td>Rick Gilund, City of Enderlin</td>
<td>Director, Bartlett &amp; West, Inc.</td>
</tr>
<tr>
<td></td>
<td>Steve Sprague, City of Fargo</td>
<td>Don Tucker, City of Grand Forks</td>
<td></td>
</tr>
<tr>
<td>4:15 p.m.</td>
<td>Adjourn</td>
<td>4:15 p.m.</td>
<td>Adjourn</td>
</tr>
<tr>
<td>5:30 p.m.</td>
<td>Social Hour Pool Patio</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:30 p.m.</td>
<td>Banquet: The Great Hall</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
THURSDAY, OCTOBER 14, 2010
MORNING CONCURRENT SESSIONS

Session A
Dakota Hall
Moderator: Eric Volk, Trustee, NDAWWA

8:30 a.m. Title: “South Fargo’s Future”
Speakers: Brenda Derring, City of Fargo
          Seth Lynne, Project Engineer, Ulteig Engineers, Inc.

9:00 a.m. Title: “Development of a City-wide Stream Restoration and Stormwater Plant”
Speaker: Ed Mattiesen, Principal, Wenck Associates

9:30 a.m. Title: “AWWA Update”
Speaker: Don Broussard, Vice President
          AWWA, Water Operations Manager, Lafayette, Louisiana Utilities System

10:00 a.m. Break, Sterling and Crowne Rooms

10:15 a.m. Title: “MS4 Permit Compliance and Beyond”
Speaker: Stan Hanson, Bonestroo

11:15 a.m. Adjourn

Session B
Executive and Board Rooms of Harvest Hall
Moderator: Eric Dodds, Past President, NDWEA

8:30 a.m. Title: “Hot Topics/Regulatory Issues”
Speaker: Gary Bracht, Program Manager,
          ND Department of Health

9:00 a.m. Title: “Nutrient Criteria Development for North Dakota”
Speaker: Mike Ell, Program Manager,
          ND Department of Health

9:30 a.m. Title: “Drayton Red River Slide”
Speaker: Rodney Ambrose, Executive Vice President,
          Wenck Associates, Inc.

10:15 a.m. Title: “Lagoon Operation and Maintenance”
Speaker: Karla Olson, Project Manager,
          Ulteig Engineers, Inc.

10:45 a.m. Title: “Wastewater Treatment”
Speaker: Bill Gefroh, Lab/Industrial Pretreatment Manager,
          City of Bismarck

11:15 a.m. Adjourn

Session C
Director’s and Conference Rooms of Harvest Hall
Moderator:

8:30 a.m. Title: “The 2009 Manual on Uniform Traffic Control”
Speaker: Steve Busek, Safety/Traffic Operations/ITS Engineer, Federal Highway Administration

9:00 a.m. Title: “The 2009 Manual on Uniform Traffic Control”
Speaker: Steve Busek, Safety/Traffic Operations/ITS Engineer, Federal Highway Administration

9:30 a.m. Title: “Flyash: A Green Piece for Precast Concrete Products”
Speaker: Dale C. Heglund, Sales Engineer, Cretex

10:00 a.m. Break, Sterling and Crowne Rooms

10:15 a.m. Title: “Instrument and Control System Sustainability – Avoiding Obsolescence”
Speaker: AE2S

11:15 a.m. Adjourn

Joint Luncheon and Business Meetings, NDWEA and NDWPCC, Sterling and Crowne Rooms of the Great Hall
NDWEA President Skip Rapp and NDWPCC President Miranda Kleven, Presiding
Guest Speaker: Cordell Samuels, WEF Board of Trustees, Pickering, ON, Canada
Customized Water Treatment Solutions
“We Take System Responsibility”

- 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
2010 ANNUAL CONFERENCE ACTIVITIES

REGISTRATION

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>8:00 a.m. - 5:00 p.m.</td>
<td>Atrium/Press Room</td>
</tr>
<tr>
<td>Wednesday</td>
<td>8:00 a.m. - 4:00 p.m.</td>
<td></td>
</tr>
<tr>
<td>Thursday</td>
<td>8:00 a.m. - 10:00 a.m.</td>
<td></td>
</tr>
</tbody>
</table>

MEALS

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>11:30 a.m.</td>
<td>Sterling and Crowne Rooms of the Great Hall</td>
</tr>
<tr>
<td>Tuesday</td>
<td>5:00 p.m. - 7:00 p.m.</td>
<td>Pool Patio</td>
</tr>
<tr>
<td>Wednesday</td>
<td>8:00 a.m. - 10:00 a.m.</td>
<td>Sponsored by vendors and suppliers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The Great Hall</td>
</tr>
<tr>
<td>Wednesday</td>
<td>12:00 p.m.</td>
<td>Pool Patio</td>
</tr>
<tr>
<td>Wednesday</td>
<td>5:30 p.m.</td>
<td>Pool Patio</td>
</tr>
<tr>
<td>Wednesday</td>
<td>6:30 p.m.</td>
<td>The Great Hall</td>
</tr>
<tr>
<td>Thursday</td>
<td>11:30 a.m.</td>
<td>Sterling and Crowne Room of the Great Hall</td>
</tr>
</tbody>
</table>

GOLF TOURNAMENT

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>1:00 p.m.</td>
<td>Golf course to be announced</td>
</tr>
</tbody>
</table>

FIELD TRIPS

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday</td>
<td>9:30 a.m.</td>
<td>Fargo Municipal Facilities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transportation to the new lift stations and water reuse facility will be provided at the main entrance.</td>
</tr>
</tbody>
</table>

WATER AND WASTEWATER OPERATOR CERTIFICATION EXAMINATIONS

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>7:30 a.m. - 11:30 a.m.</td>
<td>Mezzanine Suite I and II</td>
</tr>
</tbody>
</table>

TABLETOP DISPLAY PROGRAM

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>8:30 a.m. - 5:00 p.m.</td>
<td>Check in at the Registration Desk</td>
</tr>
<tr>
<td>Tuesday</td>
<td>7:00 p.m. - 9:00 p.m.</td>
<td>Setup Time</td>
</tr>
<tr>
<td>Wednesday</td>
<td>7:00 a.m. - 7:30 a.m.</td>
<td>Last chance setup time</td>
</tr>
<tr>
<td>Wednesday</td>
<td>7:30 a.m. - 11:30 a.m.</td>
<td>Display Hours</td>
</tr>
<tr>
<td>Wednesday</td>
<td>11:30 a.m. - 1:30 p.m.</td>
<td>Takedown Time</td>
</tr>
</tbody>
</table>

STUDENT AND YOUNG PROFESSIONALS’ RECEPTION

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>7:00 p.m. - 9:00 p.m.</td>
<td>Buffalo Wild Wings 1501 42nd St. S.</td>
</tr>
</tbody>
</table>

LOCAL ARRANGEMENTS COMMITTEE

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pete Bilstad</td>
<td></td>
</tr>
<tr>
<td>Ron Hendricksen</td>
<td></td>
</tr>
<tr>
<td>Kathy Redfield</td>
<td></td>
</tr>
<tr>
<td>Karla Olson</td>
<td></td>
</tr>
<tr>
<td>Eric Dodds</td>
<td></td>
</tr>
<tr>
<td>Tom Welle</td>
<td></td>
</tr>
<tr>
<td>Mark Blonigen</td>
<td></td>
</tr>
<tr>
<td>Denise Akkerman</td>
<td></td>
</tr>
<tr>
<td>Jim Hausauer</td>
<td></td>
</tr>
</tbody>
</table>
Don Broussard  
Vice-President,  
American Water Works Association, 2010-2011

Don Broussard began his career in 1978 designing water and wastewater treatment for the Lafayette, Louisiana Utilities System. He is now the water operations manager for his multi-service, 100-year-old utility, which also provides electricity, telecommunication services and wastewater treatment.

Don joined AWWA in 1993 and has held numerous positions on the association level. Since 2006, he has been a member of the AWWA Water Utility Council and the Southwest Section Water Utility Council. He currently chairs the Water Sector Coordinating Council. He is in his second year as the Southwest Section’s director on the AWWA board. He joined AWWA in 1993 and has been section chair and vice-chair.

Don also co-founded the Louisiana WARN (Water/Wastewater Agency Response Network) with the Louisiana Rural Water Association. He has traveled extensively as a trainer for AWWA’s WARN initiative and serves as a member of USEPA’s Water Security Program Water Security Initiative Executive Committee and the U.S. Department of Homeland Security’s Editorial Review Committee. After Hurricane Katrina, he became a liaison for the Louisiana Department of Health and Hospitals and USEPA to assist affected water utilities.

A registered professional engineer, Broussard holds Class IV certifications in water production, treatment, distribution, and wastewater collection and treatment.

He just received the Fuller Award from the Southwest Section, which previously has given him the Glen T. Kellogg Leadership Award. He has also been recognized with the George H. West Memorial Award from the Louisiana Conference on Water Supply, Sewerage, and Industrial Wastes.

Don and his wife Nannette live in Arnaudville, Louisiana.

Cordell Samuels  
2009-2010 Board of Trustees, Water Environment Federation

Cordell W. Samuels is a member of the 2009-2010 Board of Trustees and Vice President Nominee for the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, Va.

He has been the Plant superintendent for the Duffin Creek WPCP in the regional municipality of Durham in Ontario, Canada for the past five years. In that capacity, Cordell manages all aspects of one of the largest wastewater treatment plants in Ontario. Prior to his current position, Cordell worked in the city of Toronto for 22 years.

Cordell has been a WEF member since 1994 and served on the federation’s House of Delegates and several WEF committees. He has been an active member of both the Water Environment Association of Ontario (WEAO) and the Canadian Water and Wastewater Association (CWWA). He was president of WEAO in 2005.

A member of the Select Society of Sanitary Sludge Shovelers, Cordell has received a number of WEF awards including the Hatfield Award in 1996 and the Arthur Sidney Bedell Award in 2008. Cordell holds a Class IV Wastewater Treatment and Class IV Collection Systems License in the Province of Ontario.

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

Advanced Engineering and Environmental Services, Inc. (AE2S) Offices:
Minneapolis Moorhead
Bismarck Fargo Grand Forks Williston
Great Falls Kalispell
www.ae2s.com
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

North Dakota WARN

Parsons Engineered Products, Inc.  Phil Parsons
3601 Park Center Blvd #130  952-926-7000
St. Louis Park, MN  55416  Fax 952-925-1323
philp@pep-reps.com

Parsons Engineered Products, Inc. is a manufacturers' rep firm serving the water and wastewater process equipment marketplace. We offer products and services for municipalities and industries alike. Specifically, we offer a wide range of products and services including pretreatment screens and compactors, grit removal and classification systems, aeration, blowers, clarification, sludge dewatering centrifuge and presses, anaerobic digester steel and fabric covers, mixers, FRP covers and domes, bolted steel tanks, plastic biological media for trickling filters and suspended growth systems for BOD and nitrification, and a wide range of odor and corrosion control scrubbers and chlorine scrubbing systems.

Visu-Sewer, Inc.  Matt Loberg
7905 Beech St NE  763-252-0004
Fridley, MN  55432  Fax 763-252-0008
mloberg@visu-sewer.com

Visu-Sewer is a full-service inspection maintenance and rehabilitation contractor. Our services include: sewer televising, cleaning, pipe and manhole grouting, pipe and manhole lining and epoxy coatings.

Moore Engineering, Inc.  Nicolas P. Gludt
925 10th Ave E  701-282-4692
West Fargo, ND  58078  Fax 701-282-4530
ngludt@mooreengineeringinc.com

Moore Engineering is a consulting engineering and land surveying company which for 50 years has provided municipal engineering, water resource engineering, transportation engineering, airport design and surveying services to more than 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, North Dakota and Fergus Falls, Minnesota.

Sweeney Controls Company  Mike Phillips
234 28th St S  701-232-3644
Fargo, ND 58103  Fax 701-232-3635
mphillips@sweeneycontrols.com

Sweeney Controls provides control systems and integration services for water and wastewater systems ranging in size from relay-based panels for lift stations to completely integrated control systems for large treatment facilities and SCADA systems. With a staff that includes panel builders, field technicians, control engineers, and project engineers, we offer services including consulting, project development, project management, PLC programming, HMI programming, software programming, control panel construction and site-system commissioning. Sweeney Controls Company is committed to understanding our customers’ needs to develop a solution that meets and exceeds their expectations. Our manufacturing facility is UL508A and 698A certified.

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.; DeKalb, Ill and Madison, Wis. We supply products and services to the Dakotas, Minnesota, western Wisconsin, Iowa and northern Illinois.

American Flow Control  Rick Wanner
21695 Highview Ave  612-803-1668
Lakeville, MN  55044  Fax 205-488-7570
rwanner@american-usa.com

American Flow Control manufactures the American Darling and Waterous fire hydrants, AFC resilient wedge gate valves, check valves, fittings and Trench Adapters. We are known as one of the highest quality manufacturers in the industry.

Legacy Building Solutions  Kent Asheim
19500 County Rd 142  320-259-7126
South Haven, MN  Fax 320-259-0087
kasheim@legacybuildingsolutions.com
Legacy Building Solutions provides sales and installation services of Accu-Steel Cover Buildings, our manufacturing partner. Our combined strengths result in an improved experience in purchasing fabric-covered building structures that exclusively feature hot dip-galvanized trusses. Our team has sold or installed more than 6,000 buildings, with install services alone totaling more than 20-million square feet. A spirit of teamwork and collaboration with our clients drives our persistent focus to exceed expectations. Legacy Building Solutions and Accu-Steel share beliefs in producing value-oriented building solutions that set us above the competition, and we are dedicated to changing the marketplace.

SJE-Rhombus
PO Box 1708
Detroit Lakes, MN 56501
eric.hausten@sjerhombus.com
Fax 218-847-4617

SJE-Rhombus, an industry-leading manufacturer of float switches, water/wastewater controls and pressure booster controls for the residential, commercial and industrial markets, sells its products globally through an extensive network of distributors and OEMs. With more than 30 years of water/wastewater controls experience, SJE-Rhombus has six locations distributing products worldwide and has committed employee-owners that create an atmosphere of high integrity and dedication to being the best in the industry.

Engineering America, Inc.
647 Hale Ave N
Oakdale, MN 55128
mfritez@engamerica.com
Fax 651-777-4041

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

North Dakota Sewage Pump Co.
1740 Main Ave E, #3
West Fargo, ND 58078
ndstinker@ideaone.net
Fax 701-282-3579

We sell and service all makes of wastewater pumps, controls, and all lift station-related items. We have been in business since 1973, and we are the area distributors for ABS and Gould’s wastewater equipment. We specialize in annual service contracts to municipal, state and industrial lift stations. We have fully equipped pump service rigs available around the clock and currently sell and service equipment in North Dakota, South Dakota, Minnesota, and Montana.

Hawkins, Inc.
2001 Great Northern Dr
Fargo, ND 58102
scott.kinsella@hawkinsinc.com

Water treatment products for water and wastewater applications.

Wells Concrete
5000 Demers Ave
Grand Forks, ND 58201
dick.edgar@wellconcrete.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 Website at www.wellconcrete.com

Advanced Drainage Systems/Hancor
6582 Co Rd 4W SW
Alexandria, MN 56308
Fax 866-240-2538

Advanced Drainage Systems/Hancor provides water management products for sanitary and storm applications.

Thein Well Co.
PO Box 778
Spicer, MN 56288
dan@theinwell.com

In business since 1893, Thein Well Co. is a full service water well contractor specializing in municipal, industrial, and residential well construction and service, and environmental and geothermal drilling.

Tonka Equipment Co.
13305 Watertower Cir
Plymouth, MN 55441
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.

Team Lab
Box 1467
Detroit Lakes, MN 56501
terry@teamlab.Net

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

Civil Design, Inc.
609 Main Ave S
Brookings, SD 57006
605-696-3200
Fax 605-696-3220
cbretsch@civildes.com

The BIO2 Solution™: In non-mechanically aerated (facultative) lagoons, this treatment system features microalgae and laminar mixing. The microalgae supply bacteria with dissolved oxygen. All odor problems are solved. A laminar mixing system uses fine air bubble diffusers to create a vertical laminar flow pattern to ensure maximum exposure of algae to sunlight. A third (ARDs) removes ammonia even at temperatures approaching 0 degrees Celsius. Civil Design, Inc is the engineering representative for The BIO2 Solution™. in the states of North and South Dakota, Minnesota, and Iowa.

Dakota Supply Group, Inc.
1409 K Ave
Sioux Falls, SD 57104
605-336-8884
Fax 605-336-2392
mmacdonald@sginc.biz

Just one call to us at Dakota Supply Group (DSG) and we can package water and sewer products with electrical controls to offer you easy-to-understand, turnkey solutions to your municipal or industrial water supply or waste water projects. Our waterworks division stocks a complete line of pipe and fittings, valves, hydrants and pumps. DSG Metering Technology offers comprehensive metering system solutions for municipal electric, gas, water and wastewater utility markets throughout the Midwest. The experienced engineers and technicians in our Industrial Automation Group can design and build automation solutions for any size project.

KLM Engineering, Inc.
3394 Lake Elmo Ave N
Lake Elmo, MN 55042
651-773-5111
Fax 651-773-5222
smulhern@klmengineering.com

KLM Engineering, Inc., Lake Elmo, Minnesota is a structural engineering and inspection firm staffed by experienced, registered professionals. KLM’s staff has more than 150 years in the welding and painting industry and employs one of the largest certified NACE coatings, AWS welding and API-653 inspection staffs in the nation. Since our beginning in 1995, KLM has successfully completed more than 450 projects. KLM responsibilities include assisting in drawing reviews; reviewing welder certifications; performing in-shop weld and coatings inspections; conducting weld inspections during tower construction and, coating inspections during field painting; attending pre-construction and progress meetings; and performing warranty inspections.

Quality Flow Systems, Inc.
800 6th St NW
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.

Jasper Engineering & Equipment Co.
Steve Layton
PO Box 2400
Bismarck, ND 58502
Fax 701-258-4071
info-bis@jaspereng.com

Valves, instruments, and specialty products for the water and wastewater industries. Product lines include Red Valve, Tideflex Technologies, ABB, Siemens, FCI, Wika Instrument, Tsurumi Pump, Mettler-Toledo, and Pro-Environmental.

Sanitation Products, Inc.
Chris Haugrud
1402 41st St N
Fargo, ND 58102
Fax 701-277-1149
chrish@sanitationproductsinc.com

Vactor Manufacturing and Sewer Equipment of America.

General Repair Service
Jim Paulsen
923 12 St S
Moorhead, MN 56560
Fax 218-233-5435
jimp@generalrepair.com

General Repair Service sells and services pumps, blowers and controls. We distribute Gorman Rupp, Peerless, Seepax and Grundfos pumps.

Red Flint Sand & Gravel
Steve Sletner
PO Box 688
Eau Claire, WI 54702-0688
Fax 715-855-7608
steve.sletner@redflintgroup.com

Delivering the highest quality industrial minerals and water filtration media since 1917. Red Flint Sand and Gravel delivers the finest water filtration and well pack media in the world. It is recommended by major well screen manufacturers, equipment suppliers, contractors, and consulting engineers. Red Flint specializes in meeting the tightly controlled specifications for water filtration while also filling your well pack, abrasive, and epoxy filler needs.
Electric Pump, Inc.  
201 4th Ave SW  
New Prague, MN  56071  
timm@electricpump.com

Distributor of pumps, controls, and water and wastewater treatment products.

Infratech  
21040 Commerce Blvd  
Rogers, MN  55374-9341  
john@infratechonline.com

No Dig! Restoration of wastewater collection systems, “QUADEX” spray composite, and “MONOFORM” poured in place concrete liners for manholes, lift stations, wet wells, I&I control specialist “DeNeef” urethane grout, cured-in-place pipe and stainless steel “Link-Pipe” repairs, re-rounding deflected flexible pipe, vacuum/pressure testing, Jet/Vac cleaning and televising services, poly-pig cleaning, smoke and dye-water testing, hydro-blast root/mineral removal, “Vapor-Rooter” foaming, bucket machine cleaning, confined space and safety equipment, “Biosystems” gas monitors, tripods harnesses, portable and mainline camera equipment, line and cable locators, Jetter replacement parts; (i.e., custom nozzles, hoses, suction tube, etc.).

AE2S  
2016 S Washington St  
Grand Forks, ND  58201  
sarah.volk@ae2s.com

Advanced Engineering and Environmental Service, Inc. (AE2S) 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. AE2S 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, AE2S has a staff of more than 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.  
8814 7th Ave N  
Minneapolis, MN  55427  
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.

Hach Company  
4119 Hall St  
Rapid City, SD  57702  
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.

Larson Data Communications, Inc.  
305 N Lawler St  
Mitchell, SD  57301  
mike.larson@larsondata.com

MDS Full Service Partner for N.D., S.D., Minn., Neb., Iowa, Wis. – industrial Wireless Data Networking Products, RF Engineering Services and Consulting and Certified Support for Critical Infrastructure Wireless applications. See us for Wireless Network Area Coverage and Path Profile Analysis, Point-to-Point, Point-to-Multipoint, Multiple Address Station (MAS), Mobile Data, and 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.

Engineered Sales Co.  
8500 Pillsbury Ave S  
Bloomington, MN  
larrie@engineedsales.com

Instrumentation flow, level, pressure, temperature, analytical and gas detection.

Cretex Concrete Products  
925 Basin Ave  
Bismarck, ND  58504  
dheglund@cretexwest.com

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

(Continued on page 34)
Shaping the Region for 50 Years.

- Water Distribution
- Water/Wastewater Treatment
- Wastewater Collection
- Water Storage Facilities
- Storm Water Collection
- Retention/Detention Ponds
- Roadway Design
- Site Development
- Airport Planning and Design
- Floodplain & Floodway Studies
- Retention Dams
- Hydrologic & Hydraulic Analysis
- Land Surveying
- Geographic Information System (GIS)

moore engineering, inc.
Shaping the Region for 50 Years.

West Fargo, ND  Fergus Falls, MN
701-282-4692       218-998-4041
www.mooreengineeringinc.com
The North Dakota Section of the American Water Works Association (NDAWWA) is pleased to announce an opportunity for students and young professionals to participate in the 2010 Water and Pollution Control Conference and share the results of their work and/or academic programs. This opportunity provides speaking experience and a chance to learn more about the rapidly evolving drinking water industry through interactions with other drinking water industry professionals.

Rules of Competition
The NDAWWA is holding the “Fresh Ideas Poster Session” which will include poster presentations by young professionals or those new to the industry. “Young Professionals” are those who have been in the water industry for 15 years or less, including, but not limited to, engineers, operators, designers, technicians, and students. Applicants should prepare a professional poster to present on Wednesday, October 13 from 7:30-11:30 a.m. at the 2010 North Dakota Water and Pollution Control Conference.

Judging will occur from 8:00–11:00 a.m. and the top three poster presentations will be announced at the Wednesday evening banquet. The top poster presenter will be awarded free registration and a cash award of $1500 to cover expenses to attend the poster presentation at the Annual Conference & Exposition (ACE) 2011 in the “Fresh Ideas” Poster Session. The location for ACE 2011 is Washington, D.C.
Registration Form

Name: ____________________________________________________________

Representing: _____________________________________________________

Poster Title: ______________________________________________________

Address: __________________________________________________________

City, State, Zip Code: ______________________________________________

Telephone Number: ________________________________________________

Email Address: _____________________________________________________

Present Position: ___________________________________________________

Number of Years: ___________________________________________________

Education: __________________________________________________________

Other Biographical Information: ______________________________________

______________________________________________________________

SEND COMPLETED REGISTRATION TO:
Meredith Quinn
2016 Washington St. S.
Grand Forks, ND 58201
701.746.8087
Meredith.Quinn@ae2s.com
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

Time Proven
Leak Free
Long Lasting
Corrosion Resistant
High Strength
Quick, Easy Installation
High Flow Capacity

281-821-2200
www.hobaspipe.com
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 (NAAWA) was held on May 26, 2010, in the Cutty Sark Room of the Seven Seas Inn, Mandan, N.D. The meeting was called to order at 10:35 a.m. by NDWPCC President Miranda Kleven. Copies of the meeting agenda and January 1, 2010 through April 30, 2010 NDWPCC financial report were provided to each member. President Kleven asked those in attendance to sign the attendance sheets being circulated. The following board members and guests were present: Chuck Abel, Lisa Ansley, Gary Bracht, Mike Brisben, Eric Dodds, Joe Ferguson, Duane Friesz, Rick Gillund, Dan Jonasson, Brian Kistner, Miranda Kleven, Seth Lynne, Lance Meyer, Chad Miller, Karla Olson, Tim Paustian, Meredith Quinn, Skip Rapp, Rusten Roteliuk, Darin Schaffer, Dean Sletten, Hazel Sletten, Shawn Soehren, Gregg Stewart, Jacob Strombeck, Larry Thelen, Don Tucker, Eric Volk, Greg Wavra, Tom Welle, and Chad Zander.

President Kleven called for a motion to dispense with the reading of the minutes from the February 10, 2010 Joint Board Meeting and approve the minutes mailed to each member. Skip Rapp so moved, Rick Gillund seconded, and the motion carried.

President Kleven next called for the Treasurer’s Report. Mike Brisben reported that the conference had a net loss of $20,500.21 in fiscal year 2010 and total assets as of April 30, 2010 of $57,419.69. Mr. Brisben noted that $18,631.00 had been recently deposited, giving the conference net assets of $76,050.69. Mr. Brisben also noted that the Conference paid $111.00 federal income tax and $37.00 state income tax for fiscal year 2009 due to a net profit of $1,007.76 for Official Bulletin advertising versus publishing and mailing costs. Mr. Brisben indicated the profit was from 2008 advertising fees received after January 1, 2009. President Kleven called for a motion to approve the Treasurer’s Report. Dean Sletten so moved, Dan Jonasson seconded, and the motion carried.

For the first item of old business, President Kleven reminded the joint board members that Mr. Brisben needed topics and presenter lists by June 15, 2010. Eric Dodds stated that Dr. Gullicks and Dr. Lin had been contacted and that student members would be willing to give up to six presentations. Further discussion ensued with Mr. Dodds suggesting a student track be offered as part of the concurrent sessions. Mr. Brisben noted that topics were routinely reviewed and placed into water, wastewater, or public works categories. Rusten Roteliuk recommended that student topics be scheduled in the appropriate category rather than a student block. Mr. Dodds noted that attendance at the student sessions could be affected if scheduled during other technical sessions. Mr. Brisben further noted that groups willing to present multiple topics routinely provide a list of topics and those topics of interest were selected. Dean Sletten asked if the presentations would be research related. Mr. Dodds stated that both student chapters would be presenting on their Water Environment Federation Technical Exhibition and Conference (WEFTEC) design competition projects. Mr. Sletten suggested a fourth track during the tabletop exhibitors. Tim Paustian noted that there could be some opposition from the vendors if the student sessions detract from the exhibitor program. Meredith Quinn shared that AWWA had a student poster competition and that winners of the state/local competition would be eligible. Ms. Quinn further suggested that the student poster competition be run in conjunction with the vendor program. Mr. Paustian noted that NDAWWA would provide a panel of judges and fund the trip to the annual AWWA conference. Joe Ferguson suggested a Wednesday afternoon poster session with further comments indicating the student competition would have fewer conflicts during the vendor program versus the technical sessions.

Next, registration fees were discuss with Mr. Brisben stating that student fees were $10.00, not including meals.

President Kleven called for the next item of old business. Mr. Brisben reviewed the PayPal option, noting that North Dakota Rural Water’s use of PayPal at this year’s expo was very successful. Mr. Paustian also noted that all that was needed was a website to which the PayPal business account could be linked. Mr. Paustian agreed that payments other than registration fees could be made. Mr. Brisben noted that additional buttons could be created for vendor fees and Official Bulletin advertising. Mr. Sletten asked who would pick up the cost of the transaction fee. Eric Volk indicated that Rural Water took the hit this year but would reevaluate for the 2011 expo. Lisa Ansley moved to set up a PayPal account, Meredith Quinn seconded, and the motion carried.

Mr. Dodds reported on the next item of old business noting that the student/young professional reception was scheduled for Tuesday night October 12, 2010. Mr. Dodds also noted that young/new operators should be encouraged to attend. Mr. Brisben asked if donations would be funneled through the NDWPCC. Mr. Dodds agreed that having the conference handle the donations would be the most convenient.

President Kleven called for any other old business. Hearing none, she called for the first item of new business. Mr. Brisben reported on his meetings with the Holiday Inn convention manager and local arrangement committee. The casino excursion and spouse/guest luncheon will not be offered, transportation will be provided for tours of the new facilities in Fargo, visits to the water and/or wastewater...
The annual business meeting of the North Dakota Section of the American Water Works Association was held on October 22, 2009 at the Grand International Inn in Minot, N.D. Mr. Joe Ferguson called the meeting to order at 11:50 am and recognized the head table, section officers, trustees, and AWWA vice-president Jeff Zdrojewski.

The first item of business was the Secretary’s report, which consisted of the approval of the minutes from the last meeting held October 8, 2008 in Bismarck, N.D. The minutes were published in the conference issue of the Official Bulletin. Mr. Larry Thelen moved to approve the minutes as published, and Mr. Gary Bracht seconded. The motion passed.

The Treasurer’s Report was given by Mr. Joe Ferguson. He stated the section has $8,350.08 in the checking account, $20,236.50 in the money market account, and $80,000 in investments, giving the section a total of $108,586.58 in total assets. Mr. Ferguson also stated the section had an income of $26,702.54 and accrued expenses totaling $36,150.08 giving the section a net loss of $9,447.46 to date. Ms. Lisa Ansley moved to accept the treasurer’s report as stated and Mr. Dean Sletten seconded. The motion carried.

Mr. Tim Paustian then gave the audit committee report. He stated there were no discrepancies with the books and that the audit was completed by Mr. Tim Paustian and Mr. Eric Volk. Ms. Hazel Sletten motioned to approve the audit report. Mr. Duane Friesz seconded, and the motion passed.

Next, Mr. Jeff Zdrojewski took the floor and gave a brief talk about membership and involvement in AWWA and other similar organizations.

Mr. Joe Ferguson then announced the Life Member awards. This year there were four recipients. Mr. Gordon Johnson, North Valley Water District; Mr. Clark Cronquist, Agassiz Water Users District; Mr. Bill Link, Walsh Rural Water District and Mr. Larry Amundson, Dakota Rural Water District received the awards.

Next, Mr. Jeff Zdrojewski took the floor and gave a brief talk about membership and involvement in AWWA and other similar organizations.

Mr. Joe Ferguson then announced the new chair of NDAWWA, Mr. Duane Friesz.

Respectfully submitted,
Mike Brisben
Secretary/Treasurer
NDWPCC
Mr. Friesz took the floor and presented Mr. Ferguson with the past-chair plaque and pin. Mr. Ferguson expressed his appreciation to the section and its members. Mr. Friesz then asked the board for a motion for adjournment. Mr. Brad Moser made the motion and was seconded by Ms. Nancy Huether. The meeting adjourned at 12:28 p.m.

Respectfully submitted,
Chad Miller
Secretary/Treasurer
North Dakota Section of AWWA

Minutes of the Spring Board of Trustees Meeting
North Dakota Section of the American Water Works Association
May 26, 2010

The Spring Meeting of Trustees was held at the Seven Seas Inn and Conference Center in Mandan, North Dakota on May 27, 2010. Present at the meeting was Greg Wavra, Eric Volk, Dean Sletten, Hazel Sletten, Lisa Ansley, Joe Ferguson, Tim Paustian, Chad Miller, Larry Thelen, Eric Dodds, Jacob Strombeck, Meredith Quinn, and Brian Kistner.

The meeting was called to order by Chair Duane Friesz at 8:02 a.m.

Secretary’s Report
The first order of business was the Secretary’s Report.
Mr. Chad Miller stated the minutes of the winter board meeting were emailed to the board in the past weeks. The final minutes were distributed to the members and needed approval. Mr. Dean Sletten motioned to approve the minutes. Mr. Tim Paustian seconded, and the motion carried.

Treasurer’s Report
The next order of business was the Treasurer’s Report given by Mr. Greg Wavra. Mr. Wavra stated the section has $17,528.47 in the checking account, $20,276.62 in the money market account for a total of $37,805.09 in the bank accounts. With this added to the funds in investments, the section has $117,805.09 in total assets. He also stated from January 1, 2010 to May 24, 2010, the section had $16,408.66 in income and 7,325.48 in expenses. This gives the section a profit of $9,083.18 in that time period. Mr. Eric Volk made a motion to approve the Treasurer’s Report, and Mr. Sletten seconded. The motion passed.

Education and Research
Next, Ms. Meredith Quinn gave the Education and Research committee report. Ms. Quinn asked for judges for scholarship papers. Mr. Paustian, Mr. Larry Thelen, and Mr. Volk volunteered to judge the papers. Next, she discussed the Science Fair and distributed thank you notes from the participants. She then inquired about offering an award to the regional winners for drinking water projects. Also, she mentioned the need to find candidates for the Water Management Institute. The section has not sent a candidate for several years. She then gave the floor to Jacob Strombeck, NDSU student section. He stated the section has held seven meeting in the past months and has participated in several volunteer opportunities. He then discussed their field trip to Coteau, Dakota Gasification, and the Washburn and Riverdale membrane plants. He also discussed the section’s plan to attend the Prairie Conference in Winnipeg this June. Next, Brian Kistner from the UND Student Section spoke about the section’s aid in a high school competition, and their experience at the Surface Water Workshop. He stated the section had about 20 members this spring.

Membership
Mr. Sletten then gave an update on the membership committee. He stated the section has 243 active members. He mentioned the idea of having a social for members during spring training to help with membership retention and growth. Mr. Paustian agreed to help Mr. Sletten in the membership committee. Mr. Paustian then dispersed a
newly developed spreadsheet of current, late and dropped members.

Utility Committee
Mr. Friesz next gave an update on the utility committee. He led discussion on the fly-in to Washington, D.C. He stated he was able to meet directly with Senator Kent Conrad and discuss drinking water issues, specifically, and infrastructure bank. He stated the fly-in was successful and informative.

Director’s Report
Ms. Ansley discussed the new AWWA executive director, David LaFrance, who started May 3, 2010. She next stated the section’s delegate for the Water and Pollution Control Conference in October will be Don Broussard from the Southwest Section.

Surface Water Workshop Results
Ms. Quinn then gave the results for the Surface Water Workshop held April 27-29, in Fargo. She stated there were 162 attendees, 19 presenters and 12 students who displayed posters. She stated the net income for the section was $1497.34. She then led discussion on a director for the next workshop and volunteers to help in its preparation.

Committee Updates
Trustee
Mr. Paustian stated he plans to meet with the other members to select a couple of candidates.

Fuller Award
Ms. Ansley stated, since the past winners are not available to help select a new award winner, she would head up the selection.

Operator Meritorious
Mr. Volk stated the committee will go through the membership lists and select a few candidates soon.

Regional Meeting of Section Officers
Mr. Paustian stated that Mr. Joe Ferguson, Ms. Ansley, Ms. Sletten, Mr. Charlie Vein, and he attended the meeting this year. He stated they covered several topics such as: life under the affiliation agreement, maintaining tax exempt status, membership retention and others. This led to discussion on the section’s current tax exempt code. A review of the section bylaws will be completed to determine the correct tax exempt code the section falls under.

WARN
Mr. Wavra then gave an update for NDWARN. He stated they have held two meetings and organized a table-top exercise. The stated the table-top exercise had 35 participants and was very helpful in determining where improvements need to be made. He also stated the current insurance policy is at odds with the new insurance policies for the state.

Conference Speakers and Training
There was some discussion on the speakers that AWWA will provide for the Water and Pollution Control Conference in October. Ms. Quinn led a discussion on topics and speakers for the conference and asked for ideas.

Young Professionals
Ms. Quinn discussed a poster session at ACE called Fresh Ideas poster session. She stated she would like the section to host a poster session contest at the conference and asked for feedback. It was discussed that the section would need to coordinate with Mr. Mike Brisben of the NDWPCC to pursue a poster session.

2010 ACE
Mr. Dean Sletten is receiving the complimentary membership to ACE this year, and he has decided to attend.

Next, Mr. Volk inquired about a special conference like the membrane conference last year and if the section would want to pursue another in the future.

Finally, Mr. Paustian motioned for adjournment, Mr. Sletten seconded. The meeting adjourned at 10:22 a.m.

Respectfully Submitted,
Chad Miller
Secretary/Treasurer
North Dakota Section of AWWA
Since 1976, Interstate Engineering has offered consulting engineering, land surveying and planning services to municipal, county, state and tribal governments, to private individuals and corporations. A regional corporation, Interstate is owned under an Employee Stock Ownership Plan (ESOP), which instills a sense of ownership and pride in our staff and reflects in the quality of the services we provide. Jamestown, North Dakota is home to Interstate’s corporate office. Additional offices are located in Wahpeton, Beulah, and Mandan, North Dakota; Fergus Falls, Minnesota; Billings and Sidney, Montana; and Pierre, South Dakota. Interstate Engineering – professionals you need, people you trust.

Northwestern Power Equipment Company specializes in providing equipment for water, wastewater and industrial applications. Serving Minnesota, North Dakota, South Dakota, Iowa and Wisconsin.

RMB Environmental Laboratories, Inc. provides full-service analytical testing specializing in nutrient, inorganic and microbiological methodologies as well as client support through our consulting and field services divisions. We have been certified by the Minnesota Department of Health since 1995 and have recently expanded our services to include certification from the North Dakota Department of Health. Our staff includes chemists, microbiologists, biochemists, biologists, entomologists, fisheries specialists, field technicians, environmental scientists, and communication professionals. Committed to quality control, we provide highly accurate results through state-of-the-art analytical instrumentation and certified methodologies, RMB

Environmental Laboratories, Inc. services a wide range of clientele including municipal, industrial, federal, state and local government agencies, watershed districts, lake associations, and many other private and public entities.

Tech Sales Co. specializes in instrumentations and controls for water and wastewater operations. Products include flow monitoring, sampling, level, pressure, gas detection, odor control and inflow/infiltration meters.

Swanson Equipment offers equipment rental, sales and leasing. We have locations in Fargo and Minot, N.D.

S. Roberts Company is a regional corporation, serving Minnesota, North Dakota and South Dakota. We provide equipment for water and wastewater operations. Products include flow monitoring, sampling, level, pressure, gas detection, odor control and inflow/infiltration meters.

Short Elliott Hendrickson, Inc. (SEH) is an 80-year-old professional consulting services firm comprised of more than 650 architects, engineers, planners, and scientists specializing in services to a wide range of clients. Whether you need to build a new wastewater facility from ground up, upgrade an existing facility, or need help running your existing plant, SEH can help. From comprehensive planning to design through construction observation to operations support to training, SEH will tailor a solution to fit your wastewater needs.
Lakes and Minneapolis, Minn.; Sioux Falls, S.D.; Cedar Rapids, Iowa and Denver, Colo. Ulteig currently employs more than 350 personnel and continues to be recognized as one of ENR’s Top 500 Design Firms. Our core engineering services include water, energy, and our built environment. We specialize in all aspects of water, wastewater and water resource planning, design and construction engineering.

Fargo Water Equipment
4557 15th Ave N
Fargo, ND 58102
jack@FGOH20.com

We provide water and sewer products and work with Underground Solutions doing fusible PVC piping systems.

SolarBee, Inc.
3225 Hwy 22
Dickinson, ND 58601
billr@solarbee.com

SolarBee solar-powered circulators can be deployed to provide water quality improvements in the following applications:
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.
Potable/finished water tanks/reservoirs: the 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.

American Ductile Iron Pipe
21695 Highview Ave
Lakeville, MN 55044
bforester@acipco.com

American Cast Iron Pipe Company manufactures ductile iron and steel pipe, fittings and fabrications for the water and wastewater industry. American provides high quality products, services, technical sales, and engineering support to owners, consulting engineers, and contractors. www.acipco.com.

2010 Conference Sponsors for Door Prizes, Social Hour, Coffee Breaks and Golf Tournament

Thank you for your contribution.

AE2S
2016 Washington St S
Grand Forks, ND 58201
701-746-8087

Dakota Supply Group, Inc.
1409 K Ave
Sioux Falls, SD 57104
605-336-8884

Interstate Engineering, Inc.
PO Box 2035
Jamestown, ND 58401
701-252-0234

Killoran Trucking & Brokerage, Inc.
PO Box 145
Buffalo, ND 58011
701-633-5133

KLM Engineering, Inc.
3394 Lake Elmo Ave N
PO Box 897
Lake Elmo, MN 55042
651-773-5111

Fargo Water Equipment
4557 15th Ave N
Fargo, ND 58102
jack@FGOH20.com

American Ductile Iron Pipe
21695 Highview Ave
Lakeville, MN 55044
bforester@acipco.com

If you have high energy costs for aeration, the SolarBee can displace much of the aeration mixing run-time hours providing a quick payback.
Potable/finished water tanks/reservoirs: the 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.

SolarBee, Inc.
3225 Hwy 22
Dickinson, ND 58601
billr@solarbee.com

SolarBee solar-powered circulators can be deployed to provide water quality improvements in the following applications:
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.
Potable/finished water tanks/reservoirs: the 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.

American Ductile Iron Pipe
21695 Highview Ave
Lakeville, MN 55044
bforester@acipco.com

American Cast Iron Pipe Company manufactures ductile iron and steel pipe, fittings and fabrications for the water and wastewater industry. American provides high quality products, services, technical sales, and engineering support to owners, consulting engineers, and contractors. www.acipco.com.

2010 Conference Sponsors for Door Prizes, Social Hour, Coffee Breaks and Golf Tournament

Thank you for your contribution.

AE2S
2016 Washington St S
Grand Forks, ND 58201
701-746-8087

Dakota Supply Group, Inc.
1409 K Ave
Sioux Falls, SD 57104
605-336-8884

Interstate Engineering, Inc.
PO Box 2035
Jamestown, ND 58401
701-252-0234

Killoran Trucking & Brokerage, Inc.
PO Box 145
Buffalo, ND 58011
701-633-5133

KLM Engineering, Inc.
3394 Lake Elmo Ave N
PO Box 897
Lake Elmo, MN 55042
651-773-5111

35
JET-WAY
MULTIPLE SERVICES, INC

www.jet-wayinc.com

HARWOOD, ND

1-800-378-5605
keith@jet-wayinc.com

✓ Sewer Cleaning
✓ Lift Station Cleaning
✓ Water Treatment Plant Cleaning
✓ Vacuuming & Removal of Sand
✓ Waste 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: 701-282-2423
<table>
<thead>
<tr>
<th>Conference</th>
<th>Host City</th>
<th>President</th>
<th>Residence</th>
<th>Conference</th>
<th>Host City</th>
<th>President</th>
<th>Residence</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>Fargo</td>
<td>Miranda Kleven</td>
<td>Grand Forks</td>
<td>1968</td>
<td>Dickinson</td>
<td>Bevan Shaw</td>
<td>Williston</td>
</tr>
<tr>
<td>2009</td>
<td>Minot</td>
<td>Lisa Ansley</td>
<td>Bismarck</td>
<td>1967</td>
<td>Grand Forks</td>
<td>A.E. Forsman</td>
<td>Grand Forks</td>
</tr>
<tr>
<td>2008</td>
<td>Bismarck</td>
<td>Terry Rust</td>
<td>West Fargo</td>
<td>1966</td>
<td>Mandan</td>
<td>Alvin Mickelson</td>
<td>Casselton</td>
</tr>
<tr>
<td>2007</td>
<td>Fargo</td>
<td>Mark Blonigen</td>
<td>Fargo</td>
<td>1965</td>
<td>Fargo</td>
<td>Ken Ruby</td>
<td>Fargo</td>
</tr>
<tr>
<td>2006</td>
<td>Minot</td>
<td>Tom Welle</td>
<td>Moorhead</td>
<td>1964</td>
<td>Minot</td>
<td>Al Swanson</td>
<td>Jamestown</td>
</tr>
<tr>
<td>2005</td>
<td>Bismarck</td>
<td>Jack Long</td>
<td>Bismarck</td>
<td>1963</td>
<td>Valley City</td>
<td>Carl Torkelson</td>
<td>Grafton</td>
</tr>
<tr>
<td>2004</td>
<td>Fargo</td>
<td>Rick Gillund</td>
<td>Enderlin</td>
<td>1962</td>
<td>Williston</td>
<td>Glenn Berg</td>
<td>Minot</td>
</tr>
<tr>
<td>2003</td>
<td>Minot</td>
<td>Mike Schneider</td>
<td>Bismarck</td>
<td>1961</td>
<td>Jamestown</td>
<td>Richard Fuller</td>
<td>West Fargo</td>
</tr>
<tr>
<td>2002</td>
<td>Bismarck</td>
<td>Pat Denne</td>
<td>West Fargo</td>
<td>1960</td>
<td>Bismarck</td>
<td>Frank Orthmeyer</td>
<td>Grand Forks</td>
</tr>
<tr>
<td>2001</td>
<td>Fargo</td>
<td>Charles Jaszkowiak</td>
<td>Bismarck</td>
<td>1959</td>
<td>Grand Forks</td>
<td>Herbert Arnold</td>
<td>Williston</td>
</tr>
<tr>
<td>2000</td>
<td>Dickinson</td>
<td>Randal Loeslie</td>
<td>Thompson</td>
<td>1958</td>
<td>Dickinson</td>
<td>L.W. Veigel</td>
<td>Dickinson</td>
</tr>
<tr>
<td>1999</td>
<td>Minot</td>
<td>Paul Lacina</td>
<td>Valley City</td>
<td>1957</td>
<td>Fargo</td>
<td>Erik Peterson</td>
<td>Jamestown</td>
</tr>
<tr>
<td>1998</td>
<td>Bismarck</td>
<td>Mel Bullinger</td>
<td>Bismarck</td>
<td>1956</td>
<td>Mandan</td>
<td>Edwin Ostlie</td>
<td>Grand Forks</td>
</tr>
<tr>
<td>1997</td>
<td>Fargo</td>
<td>Wayne Tunseth</td>
<td>Mayville</td>
<td>1955</td>
<td>Williston</td>
<td>Paul Hays</td>
<td>Minot</td>
</tr>
<tr>
<td>1996</td>
<td>Minot</td>
<td>Don Olafson</td>
<td>Valley City</td>
<td>1954</td>
<td>Grand Forks</td>
<td>C.M. Hagen</td>
<td>Oakes</td>
</tr>
<tr>
<td>1994</td>
<td>Fargo</td>
<td>Byron Thronson</td>
<td>Minot</td>
<td>1952</td>
<td>Jamestown</td>
<td>Ed Booth</td>
<td>Bismarck</td>
</tr>
<tr>
<td>1993</td>
<td>Minot</td>
<td>Joe Manning</td>
<td>Fargo</td>
<td>1951</td>
<td>Fargo</td>
<td>H.H. Behlmer</td>
<td>Fargo</td>
</tr>
<tr>
<td>1992</td>
<td>Bismarck</td>
<td>Tom Little</td>
<td>Mandan</td>
<td>1950</td>
<td>Bismarck</td>
<td>A.F. Hulteng</td>
<td>Grand Forks</td>
</tr>
<tr>
<td>1991</td>
<td>Fargo</td>
<td>Richard Wanner</td>
<td>Bismarck</td>
<td>1949</td>
<td>Dickinson</td>
<td>George Toman</td>
<td>Mandan</td>
</tr>
<tr>
<td>1990</td>
<td>Williston</td>
<td>Richard Resell</td>
<td>Williston</td>
<td>1948</td>
<td>Minot</td>
<td>R.J. Lockner</td>
<td>Cooperstown</td>
</tr>
<tr>
<td>1988</td>
<td>Grand Forks</td>
<td>Phil Furaus</td>
<td>Harvey</td>
<td>1946</td>
<td>Mandan</td>
<td>S.K. Svenkeson</td>
<td>Minot</td>
</tr>
<tr>
<td>1987</td>
<td>Dickinson</td>
<td>Dale Hanson</td>
<td>Valley City</td>
<td>1945</td>
<td>Fargo</td>
<td>F.W. Pinney</td>
<td>Fargo</td>
</tr>
<tr>
<td>1986</td>
<td>Bismarck</td>
<td>Dan Boyce</td>
<td>Grand Forks</td>
<td>1944</td>
<td>Bismarck</td>
<td>Dave MacDonald</td>
<td>Bismarck</td>
</tr>
<tr>
<td>1985</td>
<td>Fargo</td>
<td>Lyle Weeks</td>
<td>Minot</td>
<td>1943</td>
<td>Grand Forks</td>
<td>Joe Morrissey</td>
<td>Jamestown</td>
</tr>
<tr>
<td>1984</td>
<td>Williston</td>
<td>Kenneth Reynolds</td>
<td>Bismarck</td>
<td>1942</td>
<td>Williston</td>
<td>Elmer Pearson</td>
<td>Minot</td>
</tr>
<tr>
<td>1983</td>
<td>Minot</td>
<td>Dale Townsend</td>
<td>Carrington</td>
<td>1941</td>
<td>Jamestown</td>
<td>R.M. Jenson</td>
<td>Grand Forks</td>
</tr>
<tr>
<td>1982</td>
<td>Mandan</td>
<td>Peter Bilstad</td>
<td>Fargo</td>
<td>1940</td>
<td>Wahpeton</td>
<td>William Nordley</td>
<td>Edgeley</td>
</tr>
<tr>
<td>1981</td>
<td>Jamestown</td>
<td>Don Cuskelley</td>
<td>Dickinson</td>
<td>1939</td>
<td>Dickinson</td>
<td>William Yegen</td>
<td>Bismarck</td>
</tr>
<tr>
<td>1980</td>
<td>Grand Forks</td>
<td>Don Erikson</td>
<td>Watford City</td>
<td>1938</td>
<td>Minot</td>
<td>S.S. Calvelage</td>
<td>Jamestown</td>
</tr>
<tr>
<td>1979</td>
<td>Bismarck</td>
<td>Ken Skuza</td>
<td>Fargo</td>
<td>1937</td>
<td>Mandan</td>
<td>Ora Ayliffe</td>
<td>Fargo</td>
</tr>
<tr>
<td>1978</td>
<td>Dickinson</td>
<td>Gerald Zander</td>
<td>Mandan</td>
<td>1936</td>
<td>Fargo</td>
<td>S.P. Ravnos</td>
<td>Mandan</td>
</tr>
<tr>
<td>1976</td>
<td>Minot</td>
<td>Peter Mellner</td>
<td>Bismarck</td>
<td>1934</td>
<td>Bismarck</td>
<td>W.H. Robinson</td>
<td>Williston</td>
</tr>
<tr>
<td>1975</td>
<td>Mandan</td>
<td>Lyle Mitzel</td>
<td>Wahpeton</td>
<td>1933</td>
<td>Jamestown</td>
<td>O.N. Bergman</td>
<td>Valley City</td>
</tr>
<tr>
<td>1974</td>
<td>Grand Forks</td>
<td>Daniel Reiter</td>
<td>Minot</td>
<td>1932</td>
<td>Minot</td>
<td>E.L. Liun</td>
<td>Grand Forks</td>
</tr>
<tr>
<td>1973</td>
<td>Jamestown</td>
<td>Russell Kain</td>
<td>Neche</td>
<td>1931</td>
<td>Fargo</td>
<td>W.P. Tarbell</td>
<td>Fargo</td>
</tr>
<tr>
<td>1972</td>
<td>Williston</td>
<td>John Muus</td>
<td>Grand Forks</td>
<td>1930</td>
<td>Grand Forks</td>
<td>E.J. Thomas</td>
<td>Minot</td>
</tr>
<tr>
<td>1971</td>
<td>Fargo</td>
<td>Donald Wenaas</td>
<td>Jamestown</td>
<td>1929</td>
<td>Bismarck</td>
<td>A.L. Bavone</td>
<td>Bismarck</td>
</tr>
<tr>
<td>1970</td>
<td>Minot</td>
<td>Harry Hanson</td>
<td>Bismarck</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Bismarck</td>
<td>Clarence Johnson</td>
<td>Garrison</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The five-day Basic AWWA Water Utility Management Institute will be presented in Salt Lake City, Utah, September 13-17, 2010. All sessions are held at the Comfort Suites Hotel (3 miles from the airport and downtown Salt Lake City) for AWWA members and water department personnel nationwide. This class brings together water company personnel from every region of the country (and Canada as well) in an atmosphere of learning and sharing important leadership principles. This affordable, top-notch training teaches practical, “real world” supervisory and management skills needed to be effective in today’s workplace.

The schedule is as follows:
Day 1 - Foundations of Leadership
Day 2 - The Leader’s Role in Performance Management
Day 3 – Managing Conflict
Day 4 – Employee Selection
Day 5 – The Leadership of Change

The Institute registration fee is $499.00.

An Advanced AWWA Water Utility Management Institute is scheduled at the same location the week of October 18 - 22, 2010.
That schedule is as follows:
Day 1 – Assessment Of Leadership Vision, Values and Strategy
Day 2 – Teambuilding
Day 3 – Decision Making
Day 4 – Transformational Leadership and Vision Alignment
Day 5 – Critical Thinking Skills For Problem Resolution and Innovation

The Advanced Institute registration fee is $499.00. Optional certification from Utah State University will be available for $50.00 extra to members needing to meet training requirements for professional affiliations. To obtain the Basic Institute and/or Advanced Institute schedule and registration information, call Chuck Christensen at (801) 281-0107, or email him at chuckets@msn.com.

Darin Eugene Billing

Darin Eugene Billing, 43, passed away July 12, 2010, at his home in Bismarck. Services were held Monday, July 19, at Bismarck Funeral Home.

Darin was born June 1, 1967, to Eugene and Jolene Billing of Beltrami, Minn. He graduated from Fertile-Beltrami High School in 1985. He was baptized and confirmed at Trinity Lutheran Church, Beltrami. He worked on the family farm until 1991 and graduated from North Dakota State University with a degree in agricultural engineering. He worked for the North Dakota State Health Department as an environmental engineer from June 1991 until the time of his death.

Many municipal operators knew Darin as an inspector or as the advanced math instructor at operator training. His duties at the Health Department also included providing technical support, assisting with the planning for the North Dakota Water and Pollution Control Conference, and assisting with the Official Bulletin. He was especially recognized for his computer knowledge, technical expertise and helping with building maintenance at the Environmental Training Center. If there was a problem with any of the audio visual equipment, Darin was the guy to call. Darin always had a ready smile and a willing attitude.

He married Shelly (Holden) on Aug. 3, 1996, in Rapid City, S.D. They had one beautiful daughter together, Taylor Mischel, born Feb. 12, 1998. Darin was an avid fan of NASCAR and loved antique airplanes, camping and spending time with his family and friends.

He is survived by his loving wife, Shelly and daughter, Taylor; mother, Jolene; sister, Tammy (Dean) Smith; grandparents, Alfred and Adelia Ehlert; mother-in-law, Myrna Holden; sister-in-law, Lisa (Rod) Becker; brother-in-law, Todd (Cristie) Holden; his nephew and nieces, Mariah and Austin Smith, Sydney Becker and Destinie Whitmire; and will be missed by all.

Fargo Water Equipment Company
Box 128, Fargo ND 58107
Phone: 800-437-4034
Fax: 701-237-9609
www.fgoth2o.com
Jack Hendrickson, Kurt Losee, Dean Eilertson, Tom Humphrey

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, GL flush hydrants.

Area served: Minnesota and North Dakota
Minutes of the Statewide North Dakota Water/Wastewater Agency Response Network

May 25, 2010

A statewide meeting of North Dakota Water/Wastewater Agency Response Network (ND WARN) was held May 25, 2010 at the North Dakota Department of Health located at 918 East Divide Avenue in Bismarck, N.D. The meeting was held in the downstairs video conference room. Video conferencing calls were made to sites located in the cities of Fargo, McVille and the North Dakota Department of Emergency Services, Bismarck. In attendance at these sites were statewide committee members: State-Chair Skip Rapp, city of Dickinson and Secretary Hazel Sletten, city of Grand Forks. Vice-Chair Joe LaFave was absent. Members: Alice Perarski, City of Montpelier; Mary Massad, Southwest Water Authority; Steve Ellefsen and Greg Larson, South Central Regional Water District; and several people from the city of McVille. Associate members: Eric Volk, Melody Kruckenburg, ND Rural Water Systems Association; Glen Lueck, Midwest Assistance Program; Ken Jarolimek, ND Department of Emergency Services; Greg Wavra, ND Department of Health. Visiting participants: Sean Fredricks, Department of Emergency Services; Greg Wavra, ND Rural Water Systems Association; Glen Lueck, Midwest Assistance Program; Ken Jarolimek, ND Department of Health. Visiting participants: Sean Fredricks, Legal Council Cass Rural Water Users; Steve Spilde, Executive Director of the North Dakota Insurance Reserve Fund.

The meeting was called to order at 1:30 p.m. by Skip Rapp, and introductions were made. Hazel Sletten made a motion to accept the agenda, Glen Lueck seconded.

Secretary’s Report
Hazel Sletten presented a summary of the February 19, 2010 meeting. It was noted that the minutes will be published in the upcoming Official Bulletin.

Old Business
1. Website Development - Website is 97 percent complete and can be viewed at ndwarn.org. Greg Wavra encouraged everyone who needs login information to contact him at 328-5224. You can also e-mail Greg at gwavra@nd.gov. If you already have the login information, please begin populating the site with resources.
2. Resource Typing by Agreement Holders - This has now been linked to the website. All members are encouraged to work with the site and follow the guidelines for inputting emergency resources.
3. NIMS/ICS Employee Training - Classes to be offered this fall are NIMS 300 (2 ½ days) and 400 (1 ½ days). Prerequisites for attending these classes are NIMS 100 and 200 and are available on-line if you need to take them. Ken Jarolimek will provide Greg Wavra with the dates and locations, and Bob Disney will post them on the ND WARN website.
4. Accessing WARN During Emergencies - Eric Volk reported that he had asked Cal WARN representative Ray Riordan how the ND WARN program was doing when he was in Fargo during the ND WARN Table Top exercise. Ray responded that ND WARN was right on track. The power point slides used during the exercise for accessing WARN will be posted to the ND WARN website.

5. Utility Development of Emergency Response Plans (ERPs) – Skip Rapp encouraged everyone to keep working on their ERPs. Resources for developing them can be found on the ND WARN website.
6. ND Non-Profit Corporation Article of Incorporation – A federal 501-c(3) tax exempt status is being perused. Greg Wavra has the paperwork in his office.
7. EPA Security/Preparedness Grant – Greg Wavra reported that this funding resource is no longer available at this time. ND WARN will continue to look for new sources of money.
8. Table Top Exercise Planning Provided by EPA – See attached file.
9. EMAC Coordination - Greg Wavra and Skip Rapp will be participating in a webcast coming up in July entitled, “Reimbursement for Resource Typing.”
10. Water Security Congress – This has been rescheduled for September 22 in Washington, D.C. due to the ongoing flood recovery efforts at the original location of Nashville, Tennessee. US EPA will be providing funds for air travel and accommodations for this meeting.

New Business
1. Mutual Aid Agreement Revision - Revision to Articles II (Period of Assistance), III (Membership and Officers), IX (Indemnification) and XV (Modification) of the Mutual Aid Agreement were discussed.

Article II
Steve Spilde, Executive Director of the North Dakota Insurance Reserve Fund also spoke to the designation of Period of Assistance being “portal to portal.” The designation that all WARN members are insured through the North Dakota Insurance Reserve Fund (NDIRF) does not apply to private utilities and that 100 percent of all public utilities are not insured through the NDIRF, making seamless insurance coverage questionable. It was suggested that ND WARN look at language from 2005-2007 legislative action referencing 37-17.1.25 (interstate mutual aid) as it did a good job of defining responsible parties.

Article III
With the start of the ND WARN website, there became a need to raise funds and pay bills that are associated with the program. ND Rural Water Systems
Association has assisted in providing a treasurer role to handle these funds. The ND WARN agreement needs to reflect the addition of the treasurer’s position with language such as “the Treasurer shall be an individual or entity designated by the members.” This was suggested as a means of coordinating banking requirements as the position changes and for having an internal audit system should future grants be awarded to the ND WARN program.

Article IX
Sean Fredricks, representing Cass Rural Water Users, brought up the need to review the language on indemnification as it is currently in conflict with state law adopted after the Mutual Aid Agreement was finalized. Article IX is in conflict with Statute 32-12.2-13 of the ND Century Code which states that political subdivisions (e.g., WARN members) only have those authorities provided by statute. This was passed during the last legislative session. Discussion on this issue noted that legislative action giving the ND WARN program specific statutory authority under Chapter 37-17.1 (Emergency Services) may be one way to permit political subdivisions to accept these indemnity obligations. Other discussion on this matter was to strike out the indemnification section and have members re-sign the agreement. Ken Jarolimek commented that the ND Department of Emergency Services and other state agencies were facing the same issues regarding indemnification and that this issue needs to be looked into further.

Two courses of action were suggested for Article IX:
A) Delete the indemnification points A, B and C and replace with a reference to state law.
B) Delete the indemnification points A, B and C and pursue legislative action during the next legislative session as discussed above.

Article XV
The Mutual Aid Agreement currently requires agreement of all members (29 at this time) to make any modifications. A suggestion was made to change this requirement to 2/3 of quorum present at the meeting with at least 30 days notice given to all members before that meeting is held.

A working group was named to propose language changes for the Mutual Aid Agreement on the above items and present back to the members as soon as possible. Members of this group will be Skip Rapp, Greg Wavra, Mary Massad, Hazel Sletten and Eric Volk. It was agreed that they will meet at 11:00 a.m. on Tuesday, June 1st in Bismarck.

2. Miscellaneous issues - Information was exchanged on participating in future meetings of county auditors. July 14 in Center, N.D. is their annual meeting. The Oliver County auditor is in charge of the program for this event. Greg Wavra will contact her to see if we can get someone on their agenda. Hazel Sletten will look into meetings with municipal auditors.

Skip Rapp suggested we think about expenses ND WARN is incurring and how we may fund them in the future. Greg Wavra cautioned that ND WARN has been promoted as a no-cost program and encouraged donations rather than dues or membership fees. Eric Volk extended a thank you to Sean Fredricks for his help and comments on the indemnification issue of the Mutual Aid Agreement.

A motion was made by Greg Larson to adjourn, Mary Massad seconded. Motion passed.
“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
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.

☐ $141 US  ☐ $152 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 $25 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).

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.

<table>
<thead>
<tr>
<th>Population Served</th>
<th>Number of Rostered Members Covered*</th>
<th>Annual Dues ($US)</th>
<th>Annual Dues ($CN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 10,000</td>
<td>2</td>
<td>$232</td>
<td>$250</td>
</tr>
<tr>
<td>10,001 – 25,000</td>
<td>4</td>
<td>$464</td>
<td>$500</td>
</tr>
<tr>
<td>25,001 – 50,000</td>
<td>6</td>
<td>$696</td>
<td>$750</td>
</tr>
<tr>
<td>50,001 – 100,000</td>
<td>10</td>
<td>$1160</td>
<td>$1250</td>
</tr>
<tr>
<td>100,001 – 300,000</td>
<td>16</td>
<td>$1856</td>
<td>$2000</td>
</tr>
<tr>
<td>300,001 – 500,000</td>
<td>20</td>
<td>$2320</td>
<td>$2500</td>
</tr>
<tr>
<td>500,001 – 1,000,000</td>
<td>26</td>
<td>$3016</td>
<td>$3250</td>
</tr>
<tr>
<td>More than 1,000,000</td>
<td>30</td>
<td>$3480</td>
<td>$3750</td>
</tr>
<tr>
<td>Federal Agency</td>
<td>50</td>
<td>$5800</td>
<td>$6250</td>
</tr>
</tbody>
</table>

*You may designate additional members for $116 US ($125 CN) each.
Fee schedule effective through December 31, 2010

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 seven 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
Call to Order: President Darin Schaeffer called the meeting to order.

Roll Call:
Present were: Rusten Roteliuk, Chuck Abel, Darin Schaeffer, Shawn Soehren, Chad Zander, Lance Meyer, Dan Jonasson and Rick Gillund.

Minutes: Motion: Shawn Soehren - to approve the minutes from the February meeting. Second: Rick Gillund. Motion carried unanimously.

Treasurer’s Report:
Motion: Chad Zander – to approve the treasurer’s report. Second: Lance Meyer. Motion carried unanimously.

Delegate Report: Rusten Roteliuk reported that he is looking at attending the next delegate’s meeting.

Committee Reports: Diversity – Rusten will also try to attend this committee at the next meeting.

Old Business: North Dakota Water and Pollution Control Conference Sessions – Several possible sessions were discussed: GIS presentations, fly ash performance in concrete, pavement maintenance/crack filling, storm water management, work force issues because of oil impact, slurry/micro surfacing. Members will make contacts and get information back to Darin Billing and Mike Brisben by the week of June 4, 2010.

Drinking Water Week – May 2-8, 2010 – this was advertised in the four major newspapers.

National Public Works Week – May 16-22, 2010 – Proclamation was signed by the governor and the picture with the governor will be published in the next Official Bulletin.

Keep North Dakota Clean - Request for Monetary Support – this was denied.

New Business: Project of the Year Awards – Chuck Abel suggested that the awards be given out at the banquet Wednesday night instead of at the NDAPWA – chapter lunch. Chuck will contact Mike and set this up.

Projects of the Year were as follows:
Cities < 5,000 population: Cavalier N.D. Lift Station Improvements – city of Cavalier, Owner – AE2S, Engineer.
Cities > 5,000 population: NAWS High Service Pump Station – City of Minot and State Water Commission, Owner – Houston Engineering, Engineer.

Criteria used in the selection process include: good construction techniques, safety, community relations, protecting the environment, unusual accomplishments.

ND WARN - ndwarn.org – A thank-you letter was received for the donation to help fund their website.

Nomination of 2011 Executive Committee by Past President for the Fall nominations. Requests were received asking that Jeff Heintz, city of Bismarck, be considered for delegate or director position and Terry Boehm, KLJ, be considered for director position.

Adjourn: Motion: Shawn Soehren – moved to adjourn. Second: Lance Meyer. Motion carried unanimously.
4” Mainguard Blow-Off
Flush Debris - - No Assembly - - Go Automatic Later

ABOVE GROUND INSTALLATION
MODEL 7500
• 4” MJ Inlet
• 4” Riser & Plug
• Specify Depth of Bury

UNDERGROUND INSTALLATION
MODEL 7600
• 4” MJ Inlet
• 4” FIP Outlet & Plug
• Specify Depth of Bury
• Install in Meter Box

Distributed by:

FERGUSON
Waterworks

1201 Airport Road
Bismarck, ND 58504
701-258-9700
800-932-8759

1917 1st Ave N
Fargo, ND 58102
701-293-5511
800-437-4362
The Environmental Protection Agency (EPA) is proposing revisions to the 1989 Total Coliform Rule (TCR). According to EPA, the proposed Revised Total Coliform Rule (RTCR) maintains and strengthens the objectives of the 1989 TCR. The rule objectives are: (1) to evaluate the effectiveness of treatment, (2) to determine the integrity of the distribution system, and (3) to signal the possible presence of fecal contamination. EPA indicated the proposed revisions better address these objectives by requiring systems that may be vulnerable to fecal contamination (as indicated by their monitoring results) to do an assessment, to identify whether any sanitary defects are present, and to correct the defects. Therefore, EPA anticipates greater public health protection under the proposed RTCR (compared to the 1989 TCR) because of its more preventive approach to identifying and fixing problems that affect or may affect public health. The following table gives an overview of the key provisions of the proposed RTCR.

<table>
<thead>
<tr>
<th>Element</th>
<th>Current TCR</th>
<th>Proposed RTCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rule construct</td>
<td>• Total coliform (TC) monthly maximum contaminant level (MCL) based on the number of TC positive (+) samples in a month • Fecal coliform (FC)/E. coli (EC) acute MCL based on FC/EC+ samples • Public Notification (PN) required for MCL violations</td>
<td>• The proposed RTCR sets an E. coli (EC) maximum contaminant level goal (MCLG) of zero and an EC maximum contaminant level (MCL) and a coliform treatment technique (TT) based on total coliform (TC) and/or EC monitoring results. • Compliance is based on the presence or absence of TC and EC and is determined each calendar month the public water system (PWS) serves water to the public (or each calendar month that sampling occurs for systems on reduced monitoring). See sections on “Assessment” and “Violations and Public Notification (PN)” in this table for conditions when the coliform TT and EC MCL are violated. • Assessment and corrective action (if necessary) are required if PWS has a coliform TT trigger. See sections on “Assessment” and “Corrective Action” in this table.</td>
</tr>
<tr>
<td>Transition from the 1989 TCR to the RTCR</td>
<td>N/A</td>
<td>• PWSs continue on their existing TCR monitoring schedule when the RTCR is effective. • Ground water (GW) systems serving 1,000 or fewer persons remain on their TCR schedule unless or until the conditions occur as described below or unless otherwise directed by the state. • Non-community water systems (NCWSs) on quarterly/annual monitoring remain on that schedule unless/until they have an event that triggers increased monitoring. See the section on “Increased Monitoring (NCWS)” in this table. • Community water systems (CWSs) on reduced monitoring remain on that schedule unless/until they have an event that triggers them to go to routine monitoring. See the section on “Return to Routine Monitoring (CWS)” in this table. • Monitoring schedules will be evaluated during the “special monitoring evaluation” conducted by the state as part of the periodic sanitary survey.</td>
</tr>
</tbody>
</table>

(Continued on next page)
<table>
<thead>
<tr>
<th>Routine Monitoring</th>
<th>Reduced Monitoring</th>
<th>Reduced Monitoring NCWSs serving 1,000 or fewer people (GW) – can be eligible to reduce their routine monitoring of 1 sample per quarter (i.e., quarterly) to no less than 1 sample per year (i.e., annual) if they meet the following criteria:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 1 sample per quarter for NCWS &lt;1,000 people served by ground water (GW).</td>
<td>• NCWS &lt;1,000 people (GW) can reduce to 1 sample per year if system is free of sanitary defects</td>
<td>• Most recent sanitary survey shows that system is free of sanitary defects, has a protected water source, and meets approved construction standards;</td>
</tr>
<tr>
<td>• 1 sample per month for NCWS &lt;1,000 people (SW) and all CWS &lt;1,000</td>
<td>• CWS &lt;1,000 people (GW) can reduce to 1 sample per quarter if no history of TC contamination, no sanitary defects, and protected GW source</td>
<td>• Clean compliance history for a minimum of 12 months;</td>
</tr>
<tr>
<td>• For all PWS &gt;1,000 sampling is monthly based on population</td>
<td>• No other systems are eligible for reduced monitoring</td>
<td>• An annual site visit by the State (or a Level 2 assessment by party approved by State) within the last 12 months and correction of all identified sanitary defects. System must have an annual site visit (or its equivalent) every year thereafter to remain on annual monitoring.</td>
</tr>
<tr>
<td>• Provisions for reduced monitoring for all GW PWS &lt;1,000 people</td>
<td>• Total coliform samples must be collected at sites which are representative of water quality throughout the distribution system according to a written sample siting plan subject to State review and revision.</td>
<td>• Seasonal systems serving 1,000 or fewer people (GW) can be eligible for reduced monitoring by having an approved sample site plan that designates the time period for monitoring based on demand and vulnerability.</td>
</tr>
<tr>
<td>• Samples must be collected at regular time intervals throughout the month except some small systems may collect them on the same day.</td>
<td>• Systems on less than monthly monitoring may be triggered to increase their monitoring if certain conditions occur. See the sections on “Increased Monitoring (NCWS)” and “Return to Routine Monitoring (CWS)” in this table.</td>
<td>• For quarterly monitoring the seasonal system must also have a sanitary survey or site visit or Level 2 assessment within last 12 months; a protected water source; a clean compliance history for a minimum of 12 months, and be free of sanitary defects.</td>
</tr>
<tr>
<td>• The number of monthly samples is based on population served. Reduced monitoring is available for some small GW systems that meet certain criteria. See the section on “Reduced Monitoring” in this table.</td>
<td>• Each total coliform-positive routine sample must be tested for the presence of <em>E. coli</em> and three repeat samples must be taken.</td>
<td>• To reduce to 1 sample per year, the seasonal system must meet the criteria specified above for quarterly monitoring and have in place or adopt one or more additional enhancements to barriers to contamination (cross connection control, certified operator, meet disinfection criteria, maintenance of at least 4-log removal or inactivation of viruses, other equivalent enhancements).</td>
</tr>
<tr>
<td>• Monitoring provisions are included for seasonal systems, which require them to monitor monthly, have a sample siting plan, and to demonstrate State-approved startup procedure. Reduced monitoring may be available for some small seasonal GW systems that meet certain criteria. See the section on “Reduced Monitoring” in this table.</td>
<td>• Monitoring provisions are included for seasonal systems, which require them to monitor monthly, have a sample siting plan, and to demonstrate State-approved startup procedure. Reduced monitoring may be available for some small seasonal GW systems that meet certain criteria. See the section on “Reduced Monitoring” in this table.</td>
<td>(Continued on next page)</td>
</tr>
<tr>
<td>Element</td>
<td>Current TCR</td>
<td>Proposed RTCR</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>--------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Reduced Monitoring (Continued)  |              | • CWSs serving 1,000 or fewer people (GW) – may reduce their routine monitoring (1 sample per month) to 1 sample per quarter if it meets the following criteria:  
• Operator is state certified.  
• Most recent sanitary survey shows that system is free of sanitary defects (or has an approved plan and schedule to correct them), has a protected water source, and meets approved construction standards.  
• Compliance history is clean for a minimum of 12 months.  
• System meets at least one of the following criteria: annual site visit by the state or a voluntary Level 2 assessment by a party approved by the state and correction of all identified sanitary defects (or an approved plan schedule to correct them); cross connection control; meet disinfection criteria; maintenance of at least 4-log removal or inactivation of viruses; other equivalent enhancements to water systems as approved by the state.  
• No other systems are eligible for reduced monitoring. |
| Increased Monitoring (NCWSs)    | • N/A (none specified) | • NCWSs serving 1,000 or fewer people (GW), including seasonal systems, increase from quarterly or annual monitoring to monthly monitoring if one of the following occurs:  
• triggered Level 2 assessment or a 2nd Level 1 assessment in 12 months  
• EC MCL violation  
• coliform TT violation  
• two monitoring violations within 12 months if on quarterly monitoring or one monitoring violation if on annual monitoring |
| Return to Routine Monitoring (CWSs) | • N/A (none specified) | • CWSs serving 1,000 or fewer people (GW) on quarterly monitoring return to monthly monitoring based on same criteria above for NCWSs serving 1,000 or fewer people (GW). |
| Return to Reduced Monitoring (NCWSs) (after being triggered to increased monitoring) | • N/A (none specified) | • NCWSs serving 1,000 or fewer people (GW) must meet the following criteria to return to routine quarterly monitoring after being triggered to increased monitoring:  
• Within the last 12 months, system must have completed a sanitary survey or a site visit by the state or a voluntary Level 2 assessment by a party approved by the state, must be free of sanitary defects, and must have a protected water source.  
• Compliance history is clean for a minimum of 12 months.  
• NCWSs serving 1,000 or fewer people (GW) must meet the following criteria to return to reduced annual monitoring in addition to meeting the criteria for returning to routine quarterly monitoring:  
• an annual site visit by the state or a voluntary Level 2 assessment and correction of all identified sanitary defects |

(Continued on next page)
<p>| Return to Reduced Monitoring (NCWSs)  | • adoption of one or more additional enhancements to the water system barriers to contamination (cross connection control, certified operator, meet disinfection criteria, maintenance of at least 4-log removal or inactivation of viruses, other equivalent enhancements) |
| (after being triggered to increased monitoring)  |  |
|  |  |
| Return to Reduced Monitoring (CWSs)  | • N/A (none specified)  |
| (after being triggered to increased monitoring)  | • CWSs serving 1,000 or fewer people (GW) must meet the same criteria for qualifying for reduced quarterly monitoring. See section on “Reduced Monitoring” for CWSs serving 1,000 or fewer people (GW) in this table. |
|  |  |
| Repeat Monitoring  | • PWSs serving &lt;1,000 must take 4 repeat samples for every TC+ sample  |
|  | • For GW PWSs, 1 sample can be a source water sample to comply with the GWR.  |
|  | • All PWSs must take three (3) repeat samples after a TC+ sample at locations specified in the sample siting plan.  |
|  | • For GW PWSs serving 1,000 people or fewer, a single sample can meet both the triggered source water requirements of the GWR and the repeat sample requirements of the proposed RTCR, but only if the state approves the use of the single sample to meet both rule requirements and the use of EC as the fecal indicator. Otherwise, the system must take an additional source sample to comply with the GWR.  |
| Additional Routine Monitoring  | • PWSs taking &lt;5 routine samples per month must take at least 5 routine samples after a monthly TC+ sample  |
|  | • A PWS taking routine samples less than monthly is required to take a minimum of three (3) routine samples the following month it serves water to the public after a TC+ sample, unless the state waives the requirement.  |
| Assessment  | • N/A none required in the current TCR  |
|  | • The PWS must conduct a Level 1 assessment if it exceeds any of the following triggers:  |
|  | • For systems taking ≥ 40 samples per month, the PWS exceeds 5.0% TC+ samples for the month; or  |
|  | • For systems taking &lt; 40 samples per month, the PWS has ≥ 2 TC+ samples for the month; or  |
|  | • The PWS fails to take every required repeat sample after any single routine TC+ sample.  |
|  | • The PWS must ensure that a Level 2 assessment is conducted either by the state or a state-approved party (which could include a qualified PWS employee(s)) if it exceeds any of the following triggers:  |
|  | • The PWS has an <em>E. coli</em> MCL violation.  |
|  | • The PWS has a second Level 1 trigger within a rolling 12-month period, or in two consecutive years for systems on annual monitoring.  |
|  | • The system must complete the assessment as soon as practical after failure to take a repeat sample or after notification of results (i.e., after it determines that an assessment trigger has been exceeded).  |
|  | • Assessment results and description of corrective action(s) taken will be submitted to the state within 30 days after determination of exceeding the trigger. The state must determine if the assessment is sufficient whether or not a sanitary defect is found.  |
|  | (Continued on next page)  |</p>
<table>
<thead>
<tr>
<th>Element</th>
<th>Current TCR</th>
<th>Proposed RTCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrective Action</td>
<td>• N/A none required in the current TCR</td>
<td>• System must correct all sanitary defects found in the assessment.</td>
</tr>
<tr>
<td></td>
<td>• System must correct all sanitary defects found in the assessment.</td>
<td>• For corrections not completed by the time the assessment form is submitted, the systems must be in compliance with a state-determined schedule and must notify the state when completed.</td>
</tr>
<tr>
<td></td>
<td>• System must correct all sanitary defects found in the assessment.</td>
<td></td>
</tr>
<tr>
<td>Violations and Public</td>
<td>• Violation of EC/FC MCL-acute violation, Tier 1 PN</td>
<td>• EC MCL violation – when any of the following occurs; requires Tier 1 PN.</td>
</tr>
<tr>
<td>Notification (PN)</td>
<td>• Violation of monthly TC MCL- Tier 2 PN</td>
<td>• EC+ repeat sample following a TC+ routine sample</td>
</tr>
<tr>
<td></td>
<td>• M &amp; R violation - Tier 3 PN</td>
<td>• TC+ repeat sample following an EC+ routine sample</td>
</tr>
<tr>
<td></td>
<td>• PWS must notify state regarding a single EC/FC(+) result</td>
<td>• failure to take all required repeat samples following an EC+ routine sample</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• failure to test EC when any repeat sample is TC+</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Coliform TT violation – occurs when a PWS fails to conduct required assessment and/or corrective action; requires Tier 2 PN.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Monitoring violation – occurs when PWS fails to take every required routine or additional routine sample in a compliance period or fails to analyze for EC following a TC+ routine sample; requires Tier 3 PN.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Reporting violation – occurs when a PWS fails to submit a monitoring report or completed assessment form after a system properly conducts monitoring or assessment; requires Tier 3 PN.</td>
</tr>
</tbody>
</table>

This chart is based on the draft requirements of the proposed RTCR. Between now and when the rule is finalized, the requirements may change depending on the comments EPA receives on the proposed rule during the comment period. Accordingly, EPA will make the necessary changes to the final rule. A complete copy of the proposed rule is available for download at www.epa.gov/safewater/disinfection/tcr.

Comments on the proposed rule must be submitted on or before October 13, 2010. Comments can be submitted to EPA by one of the following methods: email at www.regulations.gov and follow the on-line instructions; or by mail to the following address: Water Docket, Environmental Protection Agency, Mailcode: 4101T, 1200 Pennsylvania Ave., NW, Washington, DD 20460, Attention: Docket ID No. EPA-HQ-OW-2008-0878.

---

**Correction:** In the Spring 2010 (vol. 96, nos. 1-6) issue of the *Official Bulletin*, there was an error on page 2 in the article titled, “Total Trihalomethanes Sample Results for System Using Lake Sakakawea or Missouri River Water.” In the notes section, System 11 should read: Low flows in river during spring 2009, impacted TTHM sample. Taking four samples per quarter since September 2009.
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
- Conservatek/Temcor

HEADWORKS
- Huber
- WesTech

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

BLOWERS
- Dresser Roots
- Houston Service Industries

SPECIALIZED PUMPS
- Hayward Gordon
- Boerger
- Epic International

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
- WesTech
- Guardian Environmental

WATER TREATMENT
- Pureflow
- WesTech
- Severn Trent Services

INSTRUMENTATION
- Capital Controls Chlorine Residual Analyzers
- PpH/ORP/Br/03/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
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

The only view that matters.

We take a more-rounded view in creating value for our clients. With a portfolio of professional solutions—from engineering to landscape architecture, from GIS to information management, from field services to sustainable development—our people bring new perspectives to our clients’ challenges.

Bartlett & West. You can see the future from here.

3456 E CENTURY AVENUE • BISMARCK ND
701.258.1110 • WWW.BARTWEST.COM
## Drinking Water Program Directory

<table>
<thead>
<tr>
<th>Program Administrator</th>
<th>Contact Name</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Larry Thelen</td>
<td></td>
<td>701-328-5257</td>
</tr>
<tr>
<td>Gary Stefanovsky</td>
<td></td>
<td>701-328-5287</td>
</tr>
<tr>
<td>Katie Luther</td>
<td></td>
<td>701-328-5258</td>
</tr>
<tr>
<td>LeeAnn Tillotson</td>
<td></td>
<td>701-328-5293</td>
</tr>
<tr>
<td>Lydia Fewless</td>
<td></td>
<td>701-328-5221</td>
</tr>
<tr>
<td>Gary Stefanovsky</td>
<td></td>
<td>701-328-5287</td>
</tr>
<tr>
<td>Gregg Stewart</td>
<td></td>
<td>701-328-6621</td>
</tr>
<tr>
<td>Bob Markhouse</td>
<td></td>
<td>701-328-6623</td>
</tr>
<tr>
<td>Chad Miller</td>
<td></td>
<td>701-328-6375</td>
</tr>
<tr>
<td>Staff</td>
<td></td>
<td>701-328-6628</td>
</tr>
<tr>
<td>Gary Stefanovsky</td>
<td></td>
<td>701-328-5287</td>
</tr>
<tr>
<td>Craig Bartholomay</td>
<td></td>
<td>701-328-6626</td>
</tr>
<tr>
<td>Tara Ritter</td>
<td></td>
<td>701-328-5269</td>
</tr>
<tr>
<td>Mike Brisben</td>
<td></td>
<td>701-328-6622</td>
</tr>
<tr>
<td>Lydia Fewless</td>
<td></td>
<td>701-328-5221</td>
</tr>
<tr>
<td>Lydia Fewless</td>
<td></td>
<td>701-328-5221</td>
</tr>
<tr>
<td>LeeAnn Tillotson</td>
<td></td>
<td>701-328-5293</td>
</tr>
<tr>
<td>Tammy Lamphear</td>
<td></td>
<td>701-328-5295</td>
</tr>
<tr>
<td>Lydia Fewless</td>
<td></td>
<td>701-328-5221</td>
</tr>
<tr>
<td>LeeAnn Tillotson</td>
<td></td>
<td>701-328-5293</td>
</tr>
<tr>
<td>Lydia Fewless</td>
<td></td>
<td>701-328-5221</td>
</tr>
<tr>
<td>Curt Steier</td>
<td></td>
<td>701-328-5260</td>
</tr>
<tr>
<td>Marty Haroldson</td>
<td></td>
<td>701-328-5234</td>
</tr>
<tr>
<td>Gary Bracht</td>
<td></td>
<td>701-328-5227</td>
</tr>
<tr>
<td>Marty Haroldson</td>
<td></td>
<td>701-328-5234</td>
</tr>
<tr>
<td>Marty Haroldson</td>
<td></td>
<td>701-328-5234</td>
</tr>
<tr>
<td>Jeff Roerick</td>
<td></td>
<td>701-328-5240</td>
</tr>
<tr>
<td>Marty Kowalski</td>
<td></td>
<td>701-328-5239</td>
</tr>
<tr>
<td>All Staff</td>
<td></td>
<td>701-328-5210</td>
</tr>
<tr>
<td>All Staff</td>
<td></td>
<td>701-328-5210</td>
</tr>
<tr>
<td>Randy Kowalski</td>
<td></td>
<td>701-328-5239</td>
</tr>
<tr>
<td>Curt Steier</td>
<td></td>
<td>701-328-5260</td>
</tr>
<tr>
<td>Marty Haroldson</td>
<td></td>
<td>701-328-5234</td>
</tr>
<tr>
<td>Curt Steier</td>
<td></td>
<td>701-328-5260</td>
</tr>
<tr>
<td>Marty Haroldson</td>
<td></td>
<td>701-328-5234</td>
</tr>
</tbody>
</table>

## North Dakota Pollutant Discharge Elimination System Program Directory

<table>
<thead>
<tr>
<th>Program Administrator</th>
<th>Contact Name</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gary Bracht</td>
<td></td>
<td>701-328-5227</td>
</tr>
<tr>
<td>Brady Espe</td>
<td></td>
<td>701-328-5228</td>
</tr>
<tr>
<td>Karl Rockeman</td>
<td></td>
<td>701-328-5225</td>
</tr>
<tr>
<td>Andrew Aakre</td>
<td></td>
<td>701-328-5219</td>
</tr>
<tr>
<td>Marty Haroldson</td>
<td></td>
<td>701-328-5234</td>
</tr>
<tr>
<td>Gary Bracht</td>
<td></td>
<td>701-328-5227</td>
</tr>
<tr>
<td>Dallas Grossman</td>
<td></td>
<td>701-328-5242</td>
</tr>
<tr>
<td>Marty Haroldson</td>
<td></td>
<td>701-328-5234</td>
</tr>
<tr>
<td>Curt Steier</td>
<td></td>
<td>701-328-5260</td>
</tr>
<tr>
<td>Marty Haroldson</td>
<td></td>
<td>701-328-5234</td>
</tr>
<tr>
<td>Jeff Roerick</td>
<td></td>
<td>701-328-5240</td>
</tr>
<tr>
<td>Randy Kowalski</td>
<td></td>
<td>701-328-5239</td>
</tr>
<tr>
<td>All Staff</td>
<td></td>
<td>701-328-5210</td>
</tr>
<tr>
<td>Randy Kowalski</td>
<td></td>
<td>701-328-5239</td>
</tr>
<tr>
<td>Curt Steier</td>
<td></td>
<td>701-328-5260</td>
</tr>
<tr>
<td>Marty Haroldson</td>
<td></td>
<td>701-328-5234</td>
</tr>
<tr>
<td>Curt Steier</td>
<td></td>
<td>701-328-5260</td>
</tr>
<tr>
<td>Marty Haroldson</td>
<td></td>
<td>701-328-5234</td>
</tr>
</tbody>
</table>
Hassle-free service from beginning to end.

Working with multiple suppliers can be frustrating. When it comes to water and wastewater treatment systems, DSG offers you the entire package, and we'll continue to work with you long after installation is complete.

- **One call takes care of it all.** As part of our wide breadth of products, we offer quality water pumps and pipes. From collection to pumping to treatment, we make sure that your water flows properly.
- **You're in control.** We'll design electrical control and monitoring for your systems, giving you everything you need to keep things running smoothly.
- **We're here for the long haul.** After installation is complete, you can count on our maintenance team to keep your system running smoothly for years to come.

Waterworks

The right water solution starts with the right team.

Call, click or come in today!

information@dsginc.biz  •  (800) 660-5531  •  dakotasupplygroup.com

Professionals you need, people you trust

INTERSTATE ENGINEERING

**ND Offices:**
Jamestown • Beulah
Mandan • Wahpeton

**Other Offices:**
MONTANA • MINNESOTA
SOUTH DAKOTA

Offering Innovative Engineering Solutions Since 1976

www.interstateeng.com
Energy, Water, and Our Built-Environment

Water

it's a precious resource – helping you manage it is our business. Ulteig is committed to protecting and preserving water resources today and for future generations.

Our Water practice provides a complete range of planning, design and management solutions to public and private clients throughout the upper Midwest.