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

Official Publication of the
North Dakota Water and Pollution Control Conference

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

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To receive the Official Bulletin electronically or to no longer receive a paper copy, email Katie Luther at kluther@nd.gov, or call 701-328-3258.

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

The objectives of this Conference shall be: the advancement of the knowledge of design, construction, operation and management of water and wastewater systems; the promotion and encouragement, through annual meetings or otherwise, of an exchange of information and experience among its membership; the promotion and encouragement of the protection of public health and improved environment through the construction and efficient operation of water supply and wastewater treatment facilities; and the promotion of water and wastewater system operator education and certification programs.

Article II of the Constitution of the
North Dakota Water and Pollution Control Conference

CONFFERENCE BUSINESS PHONE: 701-328-6622

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

MEMBERS OF THE CONFERENCE ARE INDEBTED TO THOSE MEMBERS AND OTHERS WHO HAVE CONTRIBUTED ARTICLES AND OTHER MATERIALS FOR THIS PUBLICATION.

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

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Official Bulletin, July-September 2011
President’s Letter

Dear Conference Members and Friends of the Conference:

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

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

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

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

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

2011 Conference Officers

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NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE
83rd ANNUAL CONFERENCE

NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION
52nd ANNUAL CONFERENCE

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

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

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

OFFICERS

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE
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Dennis Larson, Trustee····························Park River
Nancy Huether, Trustee····························Bismarck
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Greg Wavra, Assistant Secretary-Treasurer·························Bismarck
Duane Friesz, Past Chair·····································Mandan
This is just the beginning. Garrison Dam north of Bismarck, mid-May 2011. At this time the dam was releasing approximately 65,000 cubic feet per second (cfs). The maximum release rate was 150,000 cfs in June. Photo by Tammy Lamphear, North Dakota Department of Health.

Bismarck Police Chief Keith Witt surveys the completed grade raise at the Mills Avenue causeway. The water elevation continued to rise until the roadway was nearly overtopped. Photo by Mel Bullinger, city of Bismarck, June 3, 2011.
The mid-summer heat stimulated vibrant green algae growth on the 4-foot deep backwater against this dike in south Bismarck. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

A city of Bismarck grader blades a wedge of clay material against the HESCO™ barrier dike along Riverwood Drive in Bismarck. Note the flooded parking lot and marina on the river side of the dike. Photo by Mel Bullinger, city of Bismarck, June 3, 2011.
Waiting for the rising flood waters, offering an expression of hope for the best. Photo by Jeff Heintz, city of Bismarck.

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

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

As the forecasted river stage continued to climb, the initial HESCO™ barrier along Riverwood Drive was bolstered by adding another row of barriers and stacking a third row on top. Note the seepage occurring in the foreground. The highest river stage eventually resulted in about 4 feet of water against these barriers. Photo by Mel Bullinger, city of Bismarck, June 3, 2011.
The Bismarck Public School system provided temporary quarters for North Dakota National Guard at Solheim School in southwest Bismarck to facilitate their dike monitoring efforts. The peak number of soldiers and airmen serving during the Bismarck-Mandan flood fight occurred on June 3 when there were 1,268 guardsmen on duty. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

A Southport resident's mannequin on the front lawn provides a heartfelt and silent salute to the North Dakota National Guard troops laboring away in the background reinforcing a dike to protect Southport homes and property. Photo by Jeff Heintz, city of Bismarck.
The rising Missouri River quickly inundated trees and an old abandoned crane near the Southport addition in Bismarck. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

On the Cover: This photo is of a portion of the Hoge/Hogue Island area north of Bismarck. It was taken on July 11, 2011 by Mel Bullinger, city of Bismarck. The historic Missouri River flood of 2011 started in May and continues as this issue of the Official Bulletin goes to press. Releases from Garrison Dam reached a peak of 150,000 cubic feet per second (cfs) in June and have been slowly lowered throughout July and August. At the top of the photo you can see approximately where the original river channel was before the flood.
Geese languish on a log in the foreground while the swollen Missouri River rushes by to the Oahe Reservoir. In the background is the Morton County side of the river south of Mandan. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

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

In late June, 2011 the discharge rate from Garrison Dam was 150,000 cfs. The water level reached major flood stage (19 feet) at Bismarck. Photo by Mel Bullinger, city of Bismarck.
View of Bismarck’s horizontal collector well construction site and access road in late August 2009. The Missouri River stage was about 6.1 feet. The arrow in the background points to the site of the HCW. Photo taken from the Liberty Memorial Bridge by Ken Weber, AE, S.

View of Bismarck’s horizontal collector well construction site and access road in late May 2011. The Missouri River stage was 15.77 feet. Eventually in June it exceeded 19 feet, resulting in a river depth approximately 13 feet higher than in the prior photo. Photo taken from the same vantage point as above. Photo by Ken Weber, AE, S.
The rising Missouri River inundates all but the reinforcing steel (arrow) at the very top of the existing caisson for the new horizontal collector well, currently under construction for Bismarck’s water treatment plant. Photo by Mel Bullinger, city of Bismarck, July 4, 2011.

A picturesque blue house perches safely atop a little knob of earth, virtually isolated from the rest of the world, and awaiting the arrival of higher floodwaters. Photo by Jeff Heintz, city of Bismarck.
This sheet piling dam (arrow) was privately built to control the water entering the Southport residential area. Water was then pumped out of the bay to lessen the impact of the flood. Photo by Mel Bullinger, city of Bismarck, July 11, 2011.

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

Looking northeast toward the Burlington Northern and Grant Marsh bridges. Photo by Mel Bullinger, city of Bismarck, July 11, 2011.
Dangerous currents are clearly visible near the homes of this critically affected Hoge/Hogue Island neighborhood. Photo by Mel Bullinger, city of Bismarck, July 11, 2011.

A view of the flood waters still surrounding homes south of Bismarck near the Prairie Rose School. Photo by Mel Bullinger, July 31, 2011
The Kneifel boat landing recreation area, a Burleigh County Park near the Misty Waters area in north Bismarck, July 29, 2011. By this date the water level had dropped about a foot from the peak. Photo by Mark Armstrong, Burleigh County Commissioner.

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

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

WATER AND WASTEWATER OPERATOR CERTIFICATION EXAMINATIONS
Tuesday  7:30 a.m. - 11:30 a.m.
Room 2160

MEALS
Tuesday Lunch  11:30 a.m.
Courtyard
Tuesday Buffet Dinner  5:00 p.m. - 7:00 p.m.
Courtyard
Wednesday Free Buffet Breakfast  8:00 a.m. - 10:00 a.m.
Sponsored by Vendors and Suppliers
The Dakota Ballroom
Wednesday Lunch  12:00 noon
Courtyard
Wednesday Social  5:30 p.m.
Courtyard
Wednesday Banquet  6:30 p.m.
Dakota Ballroom
Thursday Lunch  12:00 noon
Courtyard

GOLF TOURNAMENT
Tuesday  1:00 p.m.
Hawktree Golf Club

TABLETOP DISPLAY PROGRAM
Dakota Ballroom
Tuesday  8:30 a.m. - 5:00 p.m.
Check In at the Registration Desk
Tuesday  5:00 p.m. - 9:00 p.m.
Setup Time
Wednesday  7:00 a.m. - 7:30 a.m.
Last Chance Setup Time
Wednesday  7:30 a.m. - 11:30 a.m.
Display Hours
Wednesday  11:30 a.m. - 1:30 p.m.
Takedown Time

STUDENT AND YOUNG PROFESSIONAL’S RECEPTION
Tuesday  7:00 p.m. - 9:00 p.m.
Buffalo Wild Wings
1501 42nd St. S.

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

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

## Joint Meeting of the
- North Dakota Water & Pollution Control Conference
- North Dakota Chapter of the American Public Works Association
- North Dakota Water Environment Association
- North Dakota Section of the American Water Works Association

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

#### Write in Costs

<table>
<thead>
<tr>
<th><strong>A. PACKAGE REGISTRATION ($150.00)</strong></th>
<th><strong>B. INDIVIDUAL COSTS IF PACKAGE NOT SELECTED</strong></th>
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<tbody>
<tr>
<td>Includes all fees for registration</td>
<td>Registration ($60.00) _______________________</td>
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<tr>
<td>banquet, buffet and noon luncheons</td>
<td>Student Registration ($10.00) ________________</td>
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<td>Tues. Luncheon ($13.00) ________________</td>
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<td>Tues. Evening Buffet ($21.00) ________________</td>
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<tr>
<td></td>
<td>Wed. Buffet Breakfast (Sponsored by Tabletop Exhibitors)</td>
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<td>Wed. Luncheon ($12.00) ______________________</td>
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<tr>
<td></td>
<td>Wed. Evening Banquet ($37.00) ________________</td>
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<tr>
<td></td>
<td>Thurs. Luncheon ($12.00) ____________________</td>
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</tbody>
</table>

#### E. PLEASE CHECK ALL THAT APPLY

- [ ] Yes   No Do you qualify as a water treatment or water distribution operator for a system serving 3,300 or less? This will determine eligibility for reimbursement.
- [ ] Yes   No Do you plan to participate in the golf tournament starting at 1:00 p.m. on Tuesday? Your average score or handicap ___________. The golf course will be charging a green and golf cart fee.
- [ ] Yes   No Do you plan to attend the Student and Young Professionals reception on Tuesday?
- [ ] Yes   No Do you plan to participate in the field trips to Bismarck/Mandan municipal facilities on Wednesday morning? Transportation will be provided.

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

| Name___________________________________________ |
| Address__________________________________________ |
| City, State & Zip Code____________________________ |
| Your Name/Position/Job Title ________________________ |
| To Be Used on Name Badge __________________________ |
| Employer__________________________________________ |
| Work Phone No. ________________________ |
| Fax Phone No. ________________________ |
| Email Address______________________________ |

#### G. FOR CONFERENCE USE ONLY:

| Check # ______________ Cash ______________ |
| Credit Card ______________ Charge ______________ |

| Date ______________ |
| Paid [ ] Entered [ ] |
| Conference Database [ ] |
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2011 MEETING SCHEDULE

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

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

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

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

FUTURE CONFERENCES

2012 - Minot, October 16, 17 and 18, Grand International Inn
2013 - Grand Forks, October 22, 23 and 24, Alerus Center
2014 - Fargo, October 14, 15 and 16, Holiday Inn
11:30 a.m.
Luncheon and Business Meeting, NDAWWA Courtyard
Chair Dean Sletten, Presiding
Guest Speaker: James Chaffee, Vice President, AWWA, Waupaca, WI

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

TUESDAY, OCTOBER 11, 2011
AFTERNOON CONCURRENT SESSIONS

Welcome: Bismarck Mayor John Warford
NDWPCC President Chuck Abel

Session A
Heart Room of the Missouri Room
Moderator: James Chaffee, Vice President, AWWA

1:30 p.m. Title: “Infrastructure Update - City of Bismarck”
Speakers: Mel Bullinger, City Engineer, City of Bismarck;
Keith Demke, Director of Utility Operations, City of Bismarck;
Jeff Heintz, Director of Public Works, City of Bismarck

2:30 p.m. Title: “AWWA Update”
Speaker: James Chaffee, Vice President, AWWA

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

1:30 p.m. Title: “Much-Needed Oil Field, Wastewater Infrastructure”
Speakers: Jason Benson, Project Manager, AE2S;
Jessica Wagner, Project Engineer, AE2S

2:30 p.m. Title: “Washington Street Pump Station Improvements”
Speaker: Mike Berg, Apex Engineering Group

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

1:30 p.m. Title: “Mandan Remediation Project Update”
Speaker: Tim Kenyon, Vice President, Leggette, Brashears, & Graham, Inc.

2:30 p.m. Title: “The Latest Advancements in Analytical Instrumentation for the Lab”
Speaker: Eric Lehmann, Hach Co.

3:30 p.m. Title: “Auto Thermal, Aerobic Waste-Activated Sludge Digestion”
Speaker: James Norberg, UND AWWAWEF Student Chapter, WEFTEC Design Project

6:30 p.m. Adjourn

Session A Schedule:
Heart Room of the Missouri Room
Moderator: James Chaffee, Vice President, AWWA

1:30 p.m. Title: “Infrastructure Update - City of Bismarck”
Speakers: Mel Bullinger, City Engineer, City of Bismarck;
Keith Demke, Director of Utility Operations, City of Bismarck;
Jeff Heintz, Director of Public Works, City of Bismarck

2:30 p.m. Title: “AWWA Update”
Speaker: James Chaffee, Vice President, AWWA

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

1:30 p.m. Title: “Much-Needed Oil Field, Wastewater Infrastructure”
Speakers: Jason Benson, Project Manager, AE2S;
Jessica Wagner, Project Engineer, AE2S

2:30 p.m. Title: “Washington Street Pump Station Improvements”
Speaker: Mike Berg, Apex Engineering Group

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

1:30 p.m. Title: “Mandan Remediation Project Update”
Speaker: Tim Kenyon, Vice President, Leggette, Brashears, & Graham, Inc.

2:30 p.m. Title: “The Latest Advancements in Analytical Instrumentation for the Lab”
Speaker: Eric Lehmann, Hach Co.

3:30 p.m. Title: “Auto Thermal, Aerobic Waste-Activated Sludge Digestion”
Speaker: James Norberg, UND AWWAWEF Student Chapter, WEFTEC Design Project

6:30 p.m. Adjourn
### Session A

**Heart Room of the Missouri Room**

**Moderator:**

1:30 p.m. Title: "Water Meters"

**Speaker:** Tim Stetz, Fargo Water Equipment

---

### Session B

**Sheyenne Room of the Missouri Room**

**Moderator:** Seth Lynne, Past President

1:30 p.m. Title: "Dickinson’s New Mechanical Wastewater Treatment Facility"

**Speaker:** Karla Olson, Apex Engineering Group

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### Session C

**Cannonball Room of the Missouri Room**

**Moderator:** Terry Boehm, Director, NDCAPWA

1:30 p.m. Title: "Establishing Equitable, Defendable Utility Rates"

**Speakers:**
- Miranda Kleven, Special Project Engineer, AE2S
- Tina Gustafson, Financial Analyst, AE2S

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### Afternoon Concurrent Sessions

**12:00** Luncheon and Business Meeting, NDWEA Courtyard

**President Karla Olson, Presiding**

**Guest Speaker:** Sandra Ralston, Board of Trustees, WEF, Charleston, SC

---

**1:30 p.m.**

**Session A**

- "Water Meters"
  - Speaker: Tim Stetz, Fargo Water Equipment

**Session B**

- "Dickinson’s New Mechanical Wastewater Treatment Facility"
  - Speaker: Karla Olson, Apex Engineering Group

**Session C**

- "Establishing Equitable, Defendable Utility Rates"
  - Speakers:
    - Miranda Kleven, Special Project Engineer, AE2S
    - Tina Gustafson, Financial Analyst, AE2S

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**2:00 p.m.**

**Session A**

- "Pipe Bursting Capabilities"
  - Speaker: Matt Lawrence, Project Management/Sales, Ellingson Companies

**Session B**

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

**Session C**

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

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**3:00 p.m.**

**Session A**

- Break, Courtyard

**Session B**

- Break, Courtyard

**Session C**

- Break, Courtyard

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**3:30 p.m.**

**Session A**

- "Water Storage Tank Mixing Study"
  - Speaker: Delvin DeBoer, Professor of Environmental Engineering, SDSU

**Session B**

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

**Session C**

- "Segmental Retaining Walls"
  - Speaker: Stanley Hamilton, President, ReCon Wall Systems, Inc.

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**4:30 p.m.**

**Session A**

- Adjourn

**Session B**

- Adjourn

**Session C**

- Adjourn

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**5:30 p.m.**

- Social Hour, Courtyard

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**6:30 p.m.**

- Banquet: Dakota Ballroom
- Invocation: Terry Rust
- Master of Ceremonies: Entertainment
<table>
<thead>
<tr>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grand Pacific Room of the Dakota Ballroom</strong></td>
<td><strong>Patterson Room of the Dakota Ballroom</strong></td>
<td><strong>Lamborn Room of the Dakota Ballroom</strong></td>
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<tr>
<td><strong>Moderator:</strong></td>
<td><strong>Moderator:</strong> Karla Olson, President, NDWEA</td>
<td><strong>Moderator:</strong></td>
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<tr>
<td>8:00 a.m. <strong>Title:</strong> “Succession Planning Panel Discussion”</td>
<td>8:00 a.m. <strong>Title:</strong> “Wastewater Treatment/Collection Panel Discussion”</td>
<td>8:00 a.m. <strong>Title:</strong> “The Old and the New-Linking Wastewater Records to GIS for Easy Access”</td>
</tr>
<tr>
<td><strong>Speakers:</strong> Meredith Quinn, NDAWWA; Keith Hunke, City of Bismarck; Todd Feland, City of Grand Forks; Loren Hoffman, Former Auditor, City of Parshall</td>
<td><strong>Speakers:</strong> Karla Olson, Apex Engineering Group Don Tucker, City of Grand Forks Terry Rust, City of West Fargo Wayne Offerdahl, City of Fargo</td>
<td><strong>Speaker:</strong> Bartlett &amp; West</td>
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<tr>
<td>9:00 a.m. <strong>Title:</strong> “Transformation from Lime Softening to Ultrafiltration and Nanofiltration Treatment”</td>
<td>9:00 a.m. <strong>Title:</strong> “China’s Three Gorge Dam and its Impact on Water Environment”</td>
<td>9:00 a.m. <strong>Title:</strong> “Infrastructure Contingency Planning for the 2011 Fargo Flood”</td>
</tr>
<tr>
<td><strong>Speaker:</strong> Wade Hesch, Water Plant Superintendent, City of Valley City</td>
<td><strong>Speaker:</strong> Wei Lin, Associate Professor, NDSU</td>
<td><strong>Speaker:</strong> Tom Welle, President, Apex Engineering Group</td>
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<tr>
<td>9:30 a.m. <strong>Title:</strong> “Effluent Reuse in North Dakota”</td>
<td>9:30 a.m. <strong>Title:</strong> “Roadmap for the City of Mandan: A Comprehensive Sanitary Sewer Master Plan”</td>
<td>9:30 a.m. <strong>Title:</strong> “Emergency Dike Construction, 48th Street and Fox Island, Bismarck”</td>
</tr>
<tr>
<td><strong>Speaker:</strong> Tim Paustian, Apex Engineering Group</td>
<td><strong>Speakers:</strong> Russ Sorenson, Operations Manager, AE2S Jason Benson, Project Manager, AE2S</td>
<td><strong>Speaker:</strong> Sherwin Wanner, Project Manager/Project Engineer, Houston Engineering</td>
</tr>
<tr>
<td>10:00 a.m. Break, Courtyard</td>
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<tr>
<td>10:30 a.m. <strong>Title:</strong> “Geophysical Methods for Ground Water Investigations”</td>
<td>10:30 a.m. <strong>Title:</strong> “A-Z Wastewater Treatment Plant Start-up Guide”</td>
<td>10:30 a.m. <strong>Title:</strong> “Asset Management”</td>
</tr>
<tr>
<td><strong>Speaker:</strong> John Jansen, Cardno ENTRIX</td>
<td><strong>Speaker:</strong> John Fisher, Wastewater Operations Leader, Short-Elliott-Hendrickson, Inc.</td>
<td><strong>Speaker:</strong> Mary Anderson, Project Engineer, AE2S</td>
</tr>
<tr>
<td>11:00 a.m. <strong>Title:</strong> “Impact of Frack Water on Drinking Water Systems”</td>
<td>11:00 a.m. <strong>Title:</strong> “MBBR &amp; IFAS Technologies: An Introduction”</td>
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<tr>
<td><strong>Speaker:</strong> Deon Stockert, Drinking Water Manager, AE2S ND Department of Health</td>
<td><strong>Speaker:</strong> Seth Lynne, Apex Engineering Group</td>
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<tr>
<td>11:30 a.m. <strong>Adjourn</strong></td>
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<td>11:30 a.m. <strong>Adjourn</strong></td>
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<tr>
<td>12:00 p.m. Joint Luncheon and Business Meetings, NDCAPWA and NDWPCC, Courtyard NDCAPWA President Shawn Soehren and NDWPCC President Chuck Abel, Presiding</td>
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<td><strong>Guest Speaker:</strong></td>
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**Apex Engineering Group**

Tom Welle  
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tom.welle@apexenggroup.com

Apex Engineering Group was formed November 2, 2010 by an entrepreneurial group of engineers and technicians with a long history in the engineering consulting business. The owners and employees of Apex share a common vision of what it takes to build a successful engineering firm - exceptional client service, quality work, integrity, experience, expertise and a drive for success.

Although Apex is a newly formed company, our team has extensive experience in the industry and this region. Our leaders are professionals with proven track records of producing successful projects with many long term clients and are considered experts in their respective fields.

At Apex we have put a ban on bureaucracy. We have stripped away anything and everything that stands in the way of what matters: serving our clients. Apex’s business focus is Water, Transportation, Municipal and Electrical Engineering Services. Apex has offices in Fargo and Bismarck, North Dakota.

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

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.

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<th>Population Served</th>
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*You may designate additional members for $119 US ($129 CN) each.

Fee schedule effective through December 31, 2011

Step 2 Dues, Member Information, and Payment

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

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

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

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

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

APWA Headquarters: 2345 Grand Blvd, Suite 700, Kansas City, MO 64108-2625
A meeting of the Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC); North Dakota Water Environment Association (NDWEA); North Dakota Chapter of the American Public Works Association (NDCAPWA); and North Dakota Section of the American Water Works Association (NDAWWA) was held on May 17, 2011, in the Executive I Room of the Seven Seas Inn, Mandan, North Dakota. The following board members and guests were present: Chuck Abel, Lisa Ansley, Terry Boehm, Gary Bracht, Mike Brisben, David Bruschwein, Bill Gefroh, Rick Gillund, Jeff Heintz, Steve Himmelspach, Nancy Huehner, Brett Jochim, Dan Jonasson, Dennis Larson, Wei Lin, Seth Lynne, Lance Meyer, Wayne Offerdahl, Karla Olson, Tim Paustian, Terry Rust, Dean Sletten, Shawn Soehren, Jason Sorenson, Larry Thelen, Don Tucker, Sarah Volk, Jessica Wagner, Greg Wavra and Chad Zander.

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

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

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

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

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

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

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

President Abel announced that the tentative dates of October 10-13/17-20, 2016 had been reserved in Minot. Mr. Rust inquired as to the history of early or late dates. Mr. Brisben noted that the later date gives Municipal Facilities staff more time to plan and facilitate the conference but also has a greater chance of inclement weather. Mr. Jochim
asked if there was any conflict with WEFTEC. Karla Olson reported that the WEFTEC conference is September 24-28, 2016.

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

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

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

Respectfully submitted,

Mike Brisben
Secretary/Treasurer
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DISINFECTION
- Trojan Technologies
- Severn Trent Services

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

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

ODOR CONTROL
- Duall

CLARIFICATION
- Lakeside Equipment
- WesTech
- Guardian Environmental

WATER TREATMENT
- WesTech
- Severn Trent Services

INSTRUMENTATION
- Capital Controls Chlorine Residual Analyzers
- pH/ORP/Br2/O3/Conductivity Analyzers
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Fargo, ND 58103
701-277-9000

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

Mark your calendars now for the North Dakota Water Quality Monitoring Conference February 27-29, 2012, at the Best Western Ramkota Hotel in Bismarck, N.D. A call for presentations and posters will be available online until October 31, 2011. For more information, visit www.bismarckstate.edu/ceti/waterquality.
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Sandra Ralston
2010-2011 Board of Trustees
Water Environment Federation

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

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

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

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

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

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

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

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

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

Jim lives in a rural area of central Wisconsin with his wife Jan and his two “hunting buddies,” Brandy and Beans.
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Mapping Ground Water Rule Requirements: Sanitary Survey and Corrective Action

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

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

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

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

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<th>System Type</th>
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<td>Community GWS providing 4-log treatment (conducting compliance monitoring)</td>
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<td>Non-community GWS</td>
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¹ Initial sanitary survey must be completed by the compliance date.
² Outstanding performance records are determined by the state.

How Might Sanitary Surveys Impact Public Water Systems?

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

1. Source: well construction, potential source contamination, setback distances, source quantity and quality, well locations, source water transmission mains, site security and general housekeeping.
2. Treatment: design criteria, plant records, past inspections, operation, maintenance and overall management of treatment facility.
3. Distribution System: review schematics, operation and maintenance records, operating procedures, construction standards, and distribution system water quality data.
4. Finished Water Storage: tank integrity, operational readiness, site security, potential sanitary risks, proper maintenance checks, and operation & maintenance procedures.
5. Pumps, Pump Facilities and Controls: pump capacity, maintenance, pump control system, emergency power backup, pump tests, remote monitoring, controls and alarms.
6. Monitoring, Reporting and Data Verification: compliance with site sampling and monitoring plans, monthly reports, daily logs, analytical results and
monitoring data, and record keeping requirements.
8. Operator Compliance with state requirements: properly certified staff depending on the size and type of system.
If, while conducting a sanitary survey, the state identifies a significant deficiency, it is the state’s responsibility to inform the public water system of the deficiency and to work with the public water system to correct the significant deficiency.

Corrective Action
Corrective action is required if the GWS falls into one of the scenarios described below:
• Significant deficiencies are identified by the state during a field visit or a sanitary survey.
• One of the samples collected during triggered source water monitoring is fecal indicator-positive (FI+), and the state requests the system to go straight to corrective action.

Frequently Asked Questions About Sanitary Surveys and Corrective Action
Question 1: Can the system alone (without input from the state or primacy agency) decide whether to go directly to corrective action or to conduct additional source water monitoring?
Answer 1: No. If a triggered source water sample is FI+, the GWS must conduct additional source water monitoring unless it is directed by the state to complete a corrective action. If any of the additional source water monitoring samples are FI+, the system must take corrective action. GWSs must consult with the state within 30 days of being notified by the state of a significant deficiency or receiving the results from the lab that one or more of the additional source water monitoring samples were FI+.

Question 2: Can a significant deficiency only be identified during a sanitary survey?
Answer 2: No. Under the GWR, states have the authority to identify a significant deficiency at any time.

Question 3: Are significant deficiencies limited to fecal contamination (i.e., only virus-related contamination)?
Answer 3: No. A significant deficiency is defined as a situation that is causing, or has the potential to cause, introduction of contamination into the water delivered to consumers.
Training Opportunities
The Environmental Protection Agency (EPA) has concluded its workshops and webcast trainings on the GWR at this time; however, there still may be trainings sponsored by your state, EPA region or technical assistance providers. Contact your EPA region or state for more information on workshops or trainings. For more information on the GWR, please visit the GWR homepage at: www.epa.gov/safewater/disinfection/gwr. The next and last article will cover the GWR requirements for public notification, consumer confidence Report and special notice.

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

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

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

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

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

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

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

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

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

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

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

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

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Salt Lake City, Utah 84116  
1-800-715-8688 or 1-800-424-6423

To reserve your spot, complete the registration form on the next page and send it along with your check made payable to Education & Training Services.
Registration Form – Public Utilities and Waterworks Management Institute: September 19-23, 2011

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(If yes to optional university certification, the total fee is then $549 per student.)

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

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

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

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

Old Business:
Potential topics and speakers were discussed for the 2011 North Dakota Water and Pollution Control Conference (NDWPCC):
1. University of North Dakota (UND) student group classic wastewater design topic “Autothermal Aerobic Waste Activated Sludge Digestion” will be presented at the Water Environment Federation Technical Exposition Conference (WEFTEC) design project – (James Norberg; contact Harvey Gullicks).
2. North Dakota State University (NDSU) student group, environmental topic, “Environmental Water Use in the Oil Field” will be presented at the WEFTEC design project (contact Wei Lin).

3. “Wastewater Treatment and Collections” panel discussion – Karla Olson, Don Tucker, Terry Rust and Wayne Offerdahl.
4. “Industrial Pretreatment EPA Region 8 Hot Topics” panel discussion – Bill Gefroh, Jeff Roerick, William Sukalski and Terry Rust.
5. “Lab Data Interpretation” – Delvin DeBoer with South Dakota State University (contact Seth Lynne).
9. “With All the Oil Comes Much Needed Wastewater Infrastructure” – Jason Benson and Jessica Wagner.

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


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

Eric Dodds provided a summary by email of the Water Environment Federation Member Association Exchange meeting that he attended in New Jersey.
- The House of Delegates (HOD) continues to work on Operator Outreach efforts and has asked WEF staff to develop additional surveys related to training at the
There is interest in developing regional training opportunities. In some states, the MA handles operator certification and training (taken over from the state). WEF and MAs are considering forming a clearinghouse for the training materials. An operator certification summit at WEF headquarters is scheduled for June 2011. One goal is to develop a definition of “operator,” as there is not a clear standard in the industry across states, MAs, cities, etc.

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

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

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

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

Respectfully submitted,
Bill Gefroh
NDWEA Secretary-Treasurer
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BE SEEN! Posters will be on display for the public at the Conference from 7:30-11:30 am, Wednesday, October 12th.

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

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

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

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<td>Acrylamide and Epichlorohydrin Rule</td>
<td>Gary Stefanovsky</td>
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<td>Katie Luther</td>
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<td>Consumer Confidence Reports</td>
<td>LeeAnn Tillotsen</td>
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<td>Disinfectant/Disinfection Byproducts Rule (TTHM, HAA5) Stage 1 and Stage 2 Rule</td>
<td>Lydia Fewless</td>
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<td>Filter and Backwash Recycle Rule</td>
<td>Gary Stefanovsky</td>
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<td>Gregg Stewart</td>
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<td>Microscopic Particulate Analysis (MPA)</td>
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<td>Operator Expense Reimbursement</td>
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<td>Operator Training</td>
<td>Mike Brisben</td>
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<td>Lydia Fewless</td>
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<td>Primary and Secondary Inorganics</td>
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<td>Public Notice Rule</td>
<td>LeeAnn Tillotsen</td>
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<td>Public Water System Updates (changes to source, treatment, contact, etc.)</td>
<td>Tammy Lamphear</td>
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<td>Volatile Organic Chemicals (VOCs)</td>
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Central Phone: 701-328-5211
Fax: 701-328-5200

North Dakota Pollutant Discharge Elimination System Program Directory

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<th>Gary Bracht</th>
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<tr>
<td>Animal Feeding Operations</td>
<td>Brady Espe</td>
<td>701-328-5228</td>
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<td>Karl Rockeman</td>
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<td>Biosolids</td>
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<td>Construction Stormwater</td>
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<td>Jeannie Schultz</td>
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<td>Dewatering and Hydrostatic Testing</td>
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<tr>
<td>Discharge Monitoring Reports (DMRs)</td>
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<td>DMR Quality Assurance (QA) Study</td>
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<td>Industrial Pretreatment</td>
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<td>Lagoon Overflows/Releases/Spills</td>
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