OFFICIAL BULLETIN

October-December 2010
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WINTER ISSUE

NDWPCC

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OFFICIAL BULLETIN

Official Publication of the
North Dakota Water and Pollution Control Conference

Winter Issue **Established 1935**

VOL. 96 **October 2010-December 2010** **NOS. 10-12**

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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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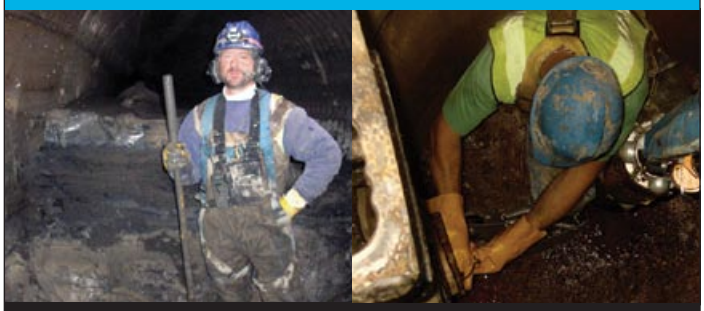

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Article II of the Constitution of the
North Dakota Water and Pollution Control Conference

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.

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

ON THE COVER: 2010 North Dakota Water and Pollution Control Conference held in Fargo, October 12-14 (photos by Bill Gefroh and Katie Luther).
Background photo: "Hooter's Gate" by Sue Balcom (full photo, right).

"Hooters Gate" (photo by Sue Balcom, Mandan)

Minutes: 82nd Annual Meeting of the North Dakota Water and Pollution Control Conference

The 82nd Annual Meeting of the North Dakota Water and Pollution Control Conference (NDWPCC) was held October 12, 13, and 14, 2010 at the Holiday Inn, Fargo, North Dakota. The Annual Meeting/Convention was held jointly with the North Dakota Chapter of the American Public Works Association (NDCAPWA), the North Dakota Water Environment Association (NDWEA), and the North Dakota Section of the American Water Works Association (NDAWWA).

The NDAWWA Education and Research Committee held a pre-conference meeting at 7:30 p.m. on Monday, October 11, 2010 in the Frontier Room of the Holiday Inn.

Board meetings were held Tuesday, October 12, 2010 by NDAWWA at 7:30 a.m. in the Frontier Room, NDCAPWA at 8:00 a.m. in the Embassy A Room, and NDWEA at 8:00 a.m. in the Embassy B Room. Additional NDAWWA committee meetings were held at 10:30 a.m. in the Frontier Room following the 9:30 a.m. joint board meeting. During the board meetings, the associations planned their business luncheons, heard committee reports, accepted volunteers for committees, and conducted other business as needed. Association business meetings were held Tuesday, October 12 (NDCAPWA); Wednesday, October 13 (NDAWWA); and Thursday, October 14 (NDWEA and NDWPCC).

North Dakota operator certification exams were written Tuesday, October 12, 2010 from 7:30 a.m. to 11:30 a.m. in the Mezzanine I and II Suites, with 16 operators taking 22 exams. Registration opened at 8:00 a.m. on Tuesday, October 12, with Patty Carman and Darlene Germain welcoming all attendees. A total of 352 pre-registered, with final attendance reaching 390.

The joint board of directors of the NDWPCC, NDWEA, NDCAPWA, and NDAWWA met at 9:30 a.m. Tuesday, October 12 in the Frontier Room with NDWPCC President Miranda Kleven presiding. President Kleven called the meeting to order at 9:36 a.m., and while attendance rosters were being circulated she welcomed Cordell Samuels from the Water Environment Federation (WEF) on behalf of the joint boards. The following board members and guests were in attendance: Chuck Abel, Lisa Ansley, Terry Boehm, Gary Bracht, Mike Brisben, David Bruschwein, Bill Gefroh, Rick Gillund, Dan Jonasson, Miranda Kleven, Steve Lagro, Wei Lin, Jack Long, Seth Lynne, Lance Meyer, Karla Olson, Tim Paustian, Meredith Quinn, Rusten Roteliuk, Cordell Samuels, Darin Schaeffer, Dean Sletten, Shawn Soehren, Larry Thelen, Tom Welle, and Chad Zander.

President Kleven entertained a motion to dispense with reading of the minutes from the May 26, 2010 joint board meeting at the Seven Seas Hotel in Mandan and approve the copy mailed to each board member or those published in the conference issue of the *Official Bulletin*. Bill Gefroh so moved. Dean Sletten seconded, and the motion carried.

Mike Brisben presented the January 1, 2010 - August 31, 2010 NDWPCC treasurer's report, listing a net loss of $7,049.19 and total assets of $70,870.71. Seth Lynne moved to accept the treasurer's report as presented. Chuck Abel seconded, and the motion carried.

Moving to old business, President Kleven called for a report on the PayPal payment option for the 2010 conference. Mr. Brisben reported that 15 transactions totaling $5,240 were received, with $156.46 going to PayPal for transaction fees, resulting in a net deposit of $5,083.54. Mr. Brisben noted that the transactions consisted of 35 package registrations and two tabletop program registrations. President Kleven next called for a report on the student/young professionals reception. Dr. Wei Lin reported that a separate room had been reserved at Buffalo Wild Wings and that a good crowd was expected. Dr. Lin also shared that he expected up to 30 students to attend the concurrent sessions. Meredith Quinn reported that a group from the University of North Dakota would also be attending.

President Kleven called for any other old business. Hearing none, President Kleven asked for volunteers for the NDWPCC officer nominating committee. Lisa Ansley asked how many positions needed to be filled. Mr. Brisben noted that one incoming director and the associate director position were needed. Ms. Ansley, Bill Gefroh, and Dean Sletten agreed to serve on the committee. Next, President Kleven requested volunteers for the auditing committee. Ms. Ansley, Mr. Gefroh, and Jack Long agreed to meet in Bismarck after the conference.

Continuing with new business, President Kleven asked for a report on conference activities. Mr. Brisben reviewed activities for the 82nd meeting, which included the golf tournament, a student/young professional reception, three concurrent sessions, and tours of the Fargo Effluent Reuse Facility and Lift Stations 60 and 61. President Kleven reminded board members to start thinking of topics for the 2011 spring operator training sessions and the fall conference in Bismarck.

President Kleven requested nominations for life membership to be voted on at the Thursday, October 14 business meeting. Next, Mr. Brisben requested permission

to upgrade the InDesign Software used to print the *Official Bulletin*. Mr. Gefroh asked what was currently being used. Mr. Brisben indicated the current software (2nd edition) used Windows 2003 and that the upgrade would be to the 5th edition. Mr. Gefroh noted that the city of Bismarck was converting to Windows 2010. David Bruschwein indicated that the NDDH was currently using Windows 2007. Further discussion ensued with Tom Welle making a motion to purchase the upgrade. Meredith Quinn seconded, and the motion carried. Mr. Brisben indicated that the upgrade would be purchased in 2011.

President Kleven called for any other new business. Hearing none, President Kleven called for a motion to adjourn. Karla Olson so moved. Meredith Quinn seconded, and the meeting adjourned at 9:56 a.m.

Water samples for the 19th annual water taste test, sponsored by NDAWWA, were accepted throughout the day Tuesday.

The Tuesday luncheon and NDCAPWA business meeting were held in the Sterling and Crowne Rooms of the Great Hall with NDCAPWA President Darin Schaeffer presiding. NDWEA President Skip Rapp welcomed all attendees on behalf of the joint board of directors and Mayor Dennis Walaker welcomed all on behalf of the city of Fargo.

The annual golf tournament teed off at 1:00 p.m. at the Moorhead Country Club with Tom Welle and Karla Olson handling local arrangements.

The Tuesday afternoon concurrent sessions opened at 1:30 p.m., with NDAWWA Public Relations Committee Member Sarah Volk, NDWEA President Skip Rapp, and NDCAPWA Director Lance Meyer moderating. The three concurrent sessions were held in the Executive and Board Rooms of Harvest Hall, the Director's and Conference Rooms of Harvest Hall, and Dakota Hall.

Tuesday's topics included:

- Water Loss Reduction Through Pressure Management - Mark Magda, General Operations Manager, Singer Valve Inc.
- Arsenic Removal Using Iron Impregnated Granular Activated Carbon - Qigang Chang, PhD Candidate, NDSU.
- Stage 2 DBPR - Getting to Know More - Lydia Fewless, Environmental Scientist, NDDH.
- Sanitary Collection System Improvements - South Fargo's Future - Brenda Derring, Wastewater Project/City's Right of Way Manager, city of Fargo and Tim Paustian, Project Manager/Associate Vice President, Ulteig Engineers.
- Fargo Flood Risk Plan - April Walker, Senior Storm Sewer Utility Engineer, city of Fargo.
- NDSU AWWA/WEF Student Chapter WEFTEC Design Project - Jason Baker, Dan Berthe, Anthony LaFountain, Jacob Strombeck, Daniel Portlock, and Tanush Wadhawan.
- UND AWWA/WEF Student Chapter WEFTEC Design Project - Brian Kistner, Ross Mullen, Tyler Myers, and James Norberg.
- High Resolution LiDAR, Oblique and Ortho Imagery for Public Works and Flood Mitigation and Response - Peter White, Regional Technical Manager, Pictometry International.
- Funding Capital Improvements - Brian Osowski, Nexus Group Manager, AE2S.
- Doing Fast-track Concrete the Right Way - David Sethre, Marketing Director, ND Ready Mix & Concrete Products Association.

The 3:00 p.m. break was held in the Sterling and Crowne Rooms with all breaks sponsored by the business firms, vendors, and commercial suppliers listed in the conference program.

The Tuesday night buffet was attended by 181 NDWPCC members and guests and a large group attended the student/young professionals reception at Buffalo Wild Wings.

Early setup for the 22nd exhibitor program started at 4:30 p.m. and went to 9:00 p.m. on Tuesday in the Great Hall. Display hours were from 7:30 a.m. to 11:30 a.m., Wednesday, October 13, 2010, with 63 firms/suppliers reserving 69 tabletop displays. A student/young professionals poster competition was held in conjunction with the exhibitor program. Ten people participated in the poster session with the top poster presenter receiving free registration and a $1500 cash award to cover expenses at the AWWA Conference and Exposition (ACE) 2011 in Washington, D.C. A breakfast buffet sponsored by the exhibitors was held in the Great Hall with overflow seating on the pool patio. A breakfast buffet poker game was held and poker hands were turned in at the NDWEA booth. The following participated in the exhibitor program NDAWWA; NDCAPWA; NDWEA; ND WARN; Visu-Sewer, Inc.; Jasper Engineer & Equipment, Co.; Hawkins, Inc.; Advanced Drainage Systems/Hancor; Jet-Way Multiple Services, Inc.; Civil Design, Inc.; Parsons Engineered Products; Moore Engineering, Inc.; ND Sewage Pump Co.; American Flow Control; American Ductile Iron Pipe; Electric Pump, Inc.; Engineered Sales Co.; Infrastructure Products Inc.; Stephen C. Roberts Co./GE Water and Process Technology; Wells Concrete; North Western Power Equipment, Co.; Interstate Engineering,

Inc.; SolarBee Inc.; Bonestroo; Ferguson Waterworks; Flexible Pipe Tool Co.; Lara Data Communications; Bureau of Reclamation; SJE-Rhombus; Bartlett & West, Inc.; Tonka Equipment Co.; Legacy Building Solutions; Sweeney Controls Company; Team Lab Chemical Corp.; Fisher-Harris & Associates; General Repair Service; Short-Elliott-Hendrickson, Inc.; MVTL Laboratories; Vessco, Inc.; ABM Equipment and Supply; Quality Flow Systems, Inc.; Red Flint Sand & Gravel; Dakota Pump Control; Van Bergen & Markson, Inc.; Ulteig Engineers; Treatment Resources, Inc.; Infilco Degremont; RMB Environmental Laboratories, Inc.; Sanitation Products; Kadrmas Lee & Jackson, Inc.; Engineering America; CEDA, Inc.; AE2S; Fargo Water Equipment; Hach Company; Infratech; Houston Engineering, Inc.; Thein Well Co.; KLM Engineering, Inc.; Tech Sales Co.; Ellingson Companies; Cretex; and Construction Specialties.

The North Dakota Operator Certification Advisory Committee met Wednesday, October 13, 2010, at 9:00 a.m. in the Mezzanine IV Suite. The committee meets annually at the conference to recruit new members and elect officers. The committee along with the NDDH provide support for the North Dakota Water and Wastewater Operator Certification Program.

One hundred twenty-four attendees signed up for the tours of the Fargo Effluent Reuse Facility and Lift Stations 60 and 61.

The NDAWWA luncheon and business meeting were held Wednesday at 12:00 noon on the pool patio with NDAWWA Chair Duane Friesz presiding. During the business meeting guest speaker John Donahue, AWWA Vice President, Chicago, Illinois, presented the Kenneth Miller award to Hazel Sletten, Grand Forks Water Utilities Superintendent. Mr. Donahue also shared his experiences throughout his career in the water and wastewater industry and stressed the importance of water and wastewater professionals becoming members and continuing to promote the protection of public health and the environment.

The Wednesday concurrent sessions convened at 1:30 p.m., with NDAWWA Education and Research Committee Member Meredith Quinn, NDWEA President-elect Karla Olson, NDCAPWA Director Rick Gillund, and NDWPCC President Miranda Kleven moderating. The concurrent sessions were held in Dakota Hall and Harvest Hall.

Wednesday's topics included:

- Distribution Modeling, Mapping, and Monitoring - Brian Weiss, Project Engineer/Hydraulic Modeler, AE2S.
- Back to Basics - Lorne Duppong, Ferguson Waterworks.
- Water System Panel Discussion - Andy Job, city of Grand Forks; Jeron Fueller, city of Bismarck; and Steve Sprague, city of Fargo.
- Algae-Assisted Wastewater Treatment and Nutrient Removal - David R. Stewart, Chief Technical Officer, BiO2 Solutions, LLC.
- WWTP Design for Energy Efficiency - Tracy Ekola, Senior Project Manager, SEH and Dustin Maas, Project Engineer, SEH.
- Wastewater System Panel Discussion - Bill Gefroh, city of Bismarck; Rick Gillund, city of Enderlin; Don Tucker, city of Grand Forks; Gary Bracht, NDDH; and Karla Olson, Ulteig Engineers.
- What is New in Concrete Admixtures - David Sethre, Marketing Director, ND Ready Mix & Concrete Products Association.
- GIS for Public Works - Jason Fetch, GIS Project Manager, Bartlett & West.
- Practical Applications of GIS in Public Works - Neil Dobler, Public Works Division Director, Bartlett & West.

Attendees met at 3:00 p.m. on the pool patio for an afternoon break.

A social hour was held on the pool patio at 5:30 p.m. prior to the annual awards banquet. The following companies graciously sponsored the social hour, door prizes, coffee breaks, and golf tournament: AE2S; Dakota Pump & Control; Dakota Supply Group; Fargo Water Equipment; Hughes Lift Station Service, Inc.; Interstate Engineering, Inc.; Kadrmas Lee & Jackson; Killoran Trucking & Brokerage, Inc.; KLM Engineering, Inc.; Moore Engineering, Inc.; ND Sewage Pump Co.; Olson Engineering, Inc.; Parsons Engineered Products, Inc.; Swenson, Hagen & Co.; Team Lab Chemical Corp.; Ulteig Engineers; and Wold Engineering, P.C.

The annual banquet and awards ceremony was held in the Great Hall with 265 members and guests in attendance. NDWEA Professional Wastewater Operations Regional Council Representative Terry Rust gave the invocation and Master of Ceremonies Dan Michaels introduced the officers and dignitaries at the head table. Entertainment was provided by Night Fire Drum Line and Tyler Engberg. Several awards were presented following the banquet.

John Donahue, AWWA Vice President, presented the AWWA Operator Meritorious Award to Doug Neibauer, South Central Rural Water Users District Manager. Meredith Quinn, NDAWWA Education and Research Committee Chair, presented several awards with Leslie

Storlie winning the NDAWWA Scholarship, Dan Portlock the Student/Young Professional Poster Competition, and the city of Mayville the Water Taste Test Contest. Charlie Vein, President, AE2S, drew the winners of the 9th annual Water for People raffle with Don Tucker, city of Grand Forks, winning this year's grand prize. Mr. Vein was proud to announce that Water for People fund raising surpassed this year's goal. A total of $5,450 was raised from the raffle tickets, golf sponsors, donations, and mulligans.

Cordell Samuels, WEF Board of Directors, presented the WEF Burke Safety Award to the Bismarck Wastewater Treatment Plant and the WEF Life Membership Award to Alan Clark. Mr. Samuels also announced the winners of the breakfast buffet poker game.

Rusten Roteliuk, NDCAPWA Delegate, presented APWA Project of the Year Awards to the city of Cavalier and the Northwest Area Water Supply (NAWS).

Mike Brisben, NDDH, presented Operator of the Year Awards to Wade Hesch, Water Plant Superintendent, Valley City; Mark Peterson, Water Treatment Plant Operations Supervisor, Fargo; Donald Wald, Water and Sewer Department Supervisor, Wahpeton; and Keith Winson, Water Treatment Superintendent, Maddock; for outstanding service and dedication.

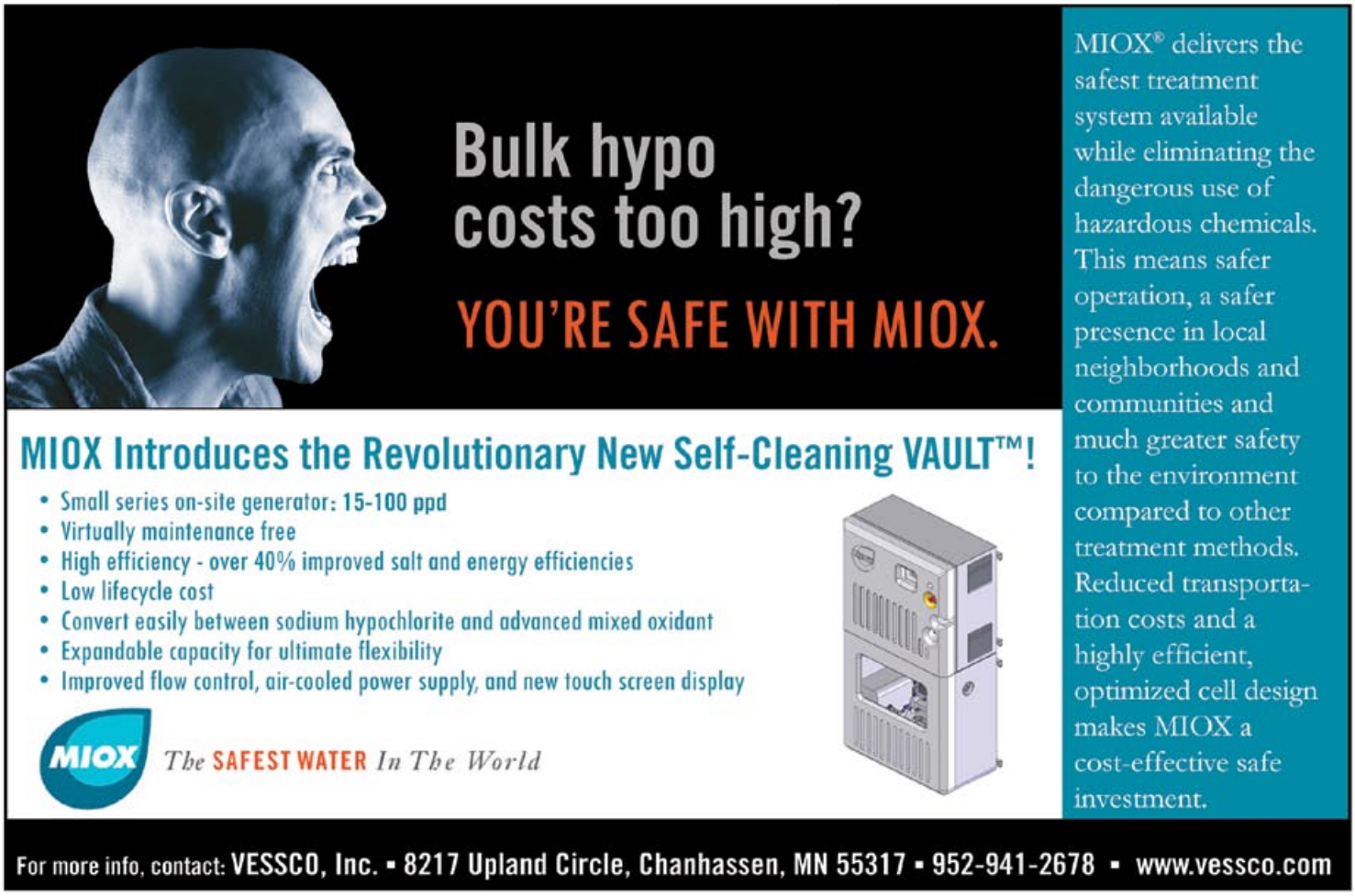
To complete activities for the evening, Master of Ceremonies Michaels assisted Mr. Brisben with drawing for the grand prizes.

The annual public works directors and city engineers meeting scheduled for 7:30 a.m. Thursday was moved from the Mezzanine I Suite to the Club Room.

The three Thursday morning concurrent sessions started at 8:30 a.m. in Dakota and Harvest Halls, with NDAWWA Trustee Eric Volk, NDWEA WEF Delegate Tom Welle, and NDCAPWA Secretary-Treasurer Dan Jonasson moderating.

Thursday's topics included:

- Drayton Red River Slide - Rodney Ambrosie, Executive Vice President, Wenck Associates, Inc.
- Development of a City-wide Stream Restoration and Storm Water Plan - Ed Mattiesen, Principal, Wenck Associates, Inc.
- Proposed TCR Revisions - Larry Thelen, Drinking Water Program Administrator, NDDH.



- MS4 Permit Compliance and Beyond - Stan Hanson, Water Resource Engineer, Bonestroo.
- Hot Topics/Regulatory Issues - Gary Bracht, NDPDES Program Manager, NDDH.
- Nutrient Criteria Development for North Dakota - Mike Ell, Surface Water Quality Management Program Manager, NDDH.
- Fargo Wastewater Pond Rehabilitation - Brenda Derrig, Wastewater Project/City's Right of Way Manager, city of Fargo and Tim Paustian, Project Manager/Associate Vice President, Ulteig Engineers.
- Lagoon Operations and Maintenance - Karla Olson, Project Manager, Ulteig Engineers.
- Wastewater Treatment 101 - Bill Gefroh, Lab Manager/Industrial Pretreatment Coordinator, city of Bismarck.
- The 2009 Manual on Uniform Traffic Control - Steve Busek, Safety/Traffic Operations/ITS Engineer, Federal Highway Administration.
- Flyash: A Green Piece for Precast Concrete Products - Dale C. Heglund, Sales Engineer, Cretex.
- Instrument and Control System Sustainability - Avoiding Obsolescence - Jason Sanden, I&C Group Manager, AE2S.

A break was held in the Sterling and Crowne Rooms at 10:00 a.m.

The joint business meetings and luncheon of the NDWEA and NDWPCC were held at 11:30 a.m. in the Sterling and Crowne Rooms, with NDWEA President Skip Rapp and NDWPCC President Miranda Kleven presiding. President Rapp opened the NDWEA business meeting. Guest Speaker Cordell Samuels, WEF Board of Trustees, Pickering, Ontario, Canada, gave a brief presentation on behalf of WEF. Incoming President Karla Olson adjourned the NDWEA meeting at 12:21 p.m.

President Kleven called the NDWPCC business meeting to order at 12:23 p.m., entertaining a motion to dispense with the reading of the minutes from the 2010 annual meeting held in Minot and approve the minutes as published in the *Official Bulletin*, October - December 2009, Volume 95, Numbers 10-12. Dan Jonasson so moved. Wei Lin seconded, and the motion carried.

Mr. Brisben presented the 2010 treasurer's report listing a net loss as of August 31, 2010 of $7,049.19 and net worth of $70,870.71. Skip Rapp moved to accept the treasurer's report as presented. Mel Bullinger seconded, and the motion carried.

President Kleven called for a motion to dispense with the reading of the resolutions and approve the resolutions as posted near the registration table throughout the conference. Rick Gillund so moved. Jim Martin seconded, and the motion carried.

President Kleven called for nominations for life membership. Hearing none, President Kleven called for a report from the nominating committee.

Bill Gefroh recommended the following slate of officers for 2010-2011:
President: Chuck Abel
President-elect: Karla Olson
Vice President: Bill Gefroh
Holdover Directors: Gary Bracht, Dean Sletten, and Dan Jonasson
Incoming Director: Seth Lynne
Associate Director: Kevin Martin
Secretary-Treasurer: Mike Brisben

President Kleven requested any nominations from the floor. Hearing none, President Kleven called for a motion to close the nominations and the Secretary-Treasurer be instructed to cast a unanimous ballot. Mel Bullinger so moved. Dan Jonasson seconded, and the motion carried.

Outgoing President Kleven introduced President Chuck Abel. President Abel presented Ms. Kleven the NDWPCC President's Service Award and thanked Ms. Kleven for her leadership, effort, and dedication.

President Abel called for a motion to adjourn. Lisa Ansley so moved. Rusten Roteliuk seconded, and the 82nd meeting of the NDWPCC adjourned at 12:29 p.m.

Names for the remaining door prizes were drawn following the luncheon.

Respectfully submitted,
Mike Brisben
Secretary-Treasurer

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Jeff Hauge Retires

by Wayne Kern, Director, Division of Municipal Facilities

Jeff Hauge retired on September 30, 2010, after 35 years of distinguished service with the Department of Health.

Jeff earned a bachelor's degree in civil engineering from NDSU and joined the department on October 1, 1975. He was a registered professional engineer in North Dakota.

Jeff's principal work focus was management of the department's Construction Grants (CG) and Clean Water State Revolving Loan Fund (CWSRF) Programs.

Jeff made many noteworthy contributions during his 35 years with the department. Among other things, Jeff:

- was instrumental in the development and startup of the CG Program.
- managed the CG Program for more than 15 years until its official closeout in 1997.
- chaired the Solid Waste Technical Provisions Task Force and coordinated administrative rule changes.
- coordinated the development and startup of the CWSRF Program.
- managed the CWSRF Program for 20 years.
- acquired funding for and oversaw the design and construction of the Environmental Training Center and original storage building.
- was instrumental in the development and startup of the Drinking Water State Revolving Loan Fund (DWSRF) Program.
- assisted in management of the DWSRF Program.
- provided technical support to other department divisions and state agencies on wastewater collection and treatment issues.
- directed a half-billion dollars of wastewater infrastructure improvements for North Dakota communities.

Jeff was recognized and respected by department staff, consulting engineers, wastewater operators, and the general public for his expertise in the wastewater field. There are few, if any, communities in North Dakota that have not benefitted from the CG or CWSRF Programs under Jeff's direction.

Jeff will be missed by department staff, consulting engineers, and wastewater operators throughout North Dakota. Department staff are extremely grateful for Jeff's many years of skilled and dedicated service.

Jeff's immediate retirement plans include traveling and spending more time with his grandchildren. The department wishes Jeff the best in retirement. ■

Dave Bergsagel New Clean Water State Revolving Loan Fund Program Manager

by Wayne Kern, Director, Division of Municipal Facilities

Jeff Hauge's retirement, September 30, 2010 left the division the challenge of filling some big shoes to continue the work and success of the CWSRF Program.

On August 16, 2010, Dave Bergsagel was selected to manage the CWSRF Program. Dave has been with the department for more than 31 years. During his first 11 years, Dave worked as a project engineer in the Construction Grants (CG) Program. Dave has subsequently worked as a project engineer in the CWSRF program, which succeeded and replaced the CG Program in 1990. This experience will enable Dave to continue and further the work of the CWSRF Program. Community officials, wastewater operators, and city/consulting engineers statewide are asked to join division staff in supporting Dave as he adjusts to this new and important role in the division. ■

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Drinking Water Operator Expense Reimbursement Grant Ending

By Tara Ritter, Division of Municipal Facilities, North Dakota Department of Health

Funded by a grant from EPA, the North Dakota Water Operator Reimbursement Program provides funding for certifying and training for operators of small public drinking water systems. This was a one-time grant allocated to help small water systems with operator training expenses. Unfortunately, this grant is coming to an end. We are predicting that the funding for this grant will run out during the summer of 2011. Therefore, we are encouraging those who rely on the funds from this program to attend training sessions for Continuing Education Credits (CECs) or certification before the funds are spent. Requests for reimbursement must be submitted in a timely manner because requests are approved on a first-come first-serve basis.

All small community water systems (CWSs) and non-transient non-community systems (NTNCs) serving 3,300 or fewer persons are eligible for reimbursement for certification and training costs.

Basically, the program works as follows: operators or system owners must initially pay for their training costs and then request reimbursement using forms provided by the Department of Health. Eligible costs and reimbursement amounts are outlined in the Frequently Asked Questions (FAQ's) section below.

FAQ's about the Drinking Water System Operator Reimbursement Program

Who is eligible for reimbursement?

Drinking water operators of CWSs and NTNCs serving 3,300 or fewer persons are eligible for certification and training reimbursement. (Wastewater training costs are not eligible for reimbursement under this program).

What expenses are eligible for reimbursement?

- Certification and renewal fees: Initial certification and subsequent annual certification renewal fees of $5 are reimbursable.
- Operator training cost needed to complete the required 12 (CEUs) that operators must earn to maintain their certification: Training costs include the cost of registration fees, manuals, and/or study guides.
- Vehicle Miles: Mileage is limited to one vehicle per system and one round trip per event at the current federal mileage rate. Car pooling is required.
- Lodging and Meals: Per diem rates are eligible at state rates. Reimbursement is only allowed if meals are not furnished. For a breakdown of costs for breakfast, lunch, and dinner see: http://www.ndhealth.gov/MF/Forms/Operator_Reimbursement_Form.pdf
- Exam Fees: When an operator takes an operator exam, there is a $10 fee.

If you have any questions in regard to the North Dakota Operator Expense Reimbursement Program, please contact: Tara Ritter at the North Dakota Department of Health, Division of Municipal Facilities, at 701-328-5269 or e-mail: tdritter@nd.gov. ■

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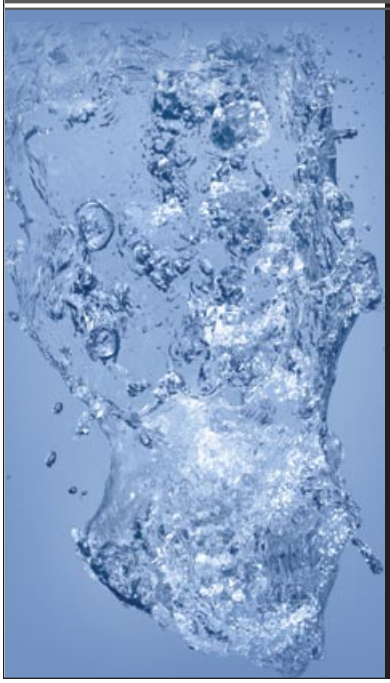

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Mapping Ground Water Rule Requirements: Triggered and Additional Source Water Monitoring

This is the second article in a series of five articles developed by U.S. Environmental Protection Agency (EPA), Office of Ground Water and Drinking Water (OGWDW), that summarize key components of the Ground Water Rule (GWR). The first article was printed in the Spring 2010 *Official Bulletin* (Vol. 96, Nos. 1-6, pg 29). As with all drinking water rules, please check with the North Dakota Department of Health for specific, state-related requirements.

The GWR has four basic requirements: **Source Water Monitoring**, Compliance Monitoring, Sanitary Surveys, and Corrective Action. The previous article introduced some of the key elements of the rule and provided a glimpse into future articles detailing components of the GWR. This article discusses in further detail the source water monitoring component. As seen in Figure 1, triggered and additional source water monitoring applies to those ground water systems (GWSs) that do not reliably provide 4-log treatment of viruses, which includes inactivation/removal or a state-approved combination of these technologies before or at the first customer. These systems may have to conduct source water monitoring (Figure 1) to comply with the GWR in the event of a total coliform-positive (TC+) sample collected in their distribution systems. Source water monitoring is comprised of triggered and/or additional monitoring (discussed in this article) and assessment monitoring (discussed in the next article).

Consecutive System:
A public water system that receives some or all of its finished water from one or more wholesale systems

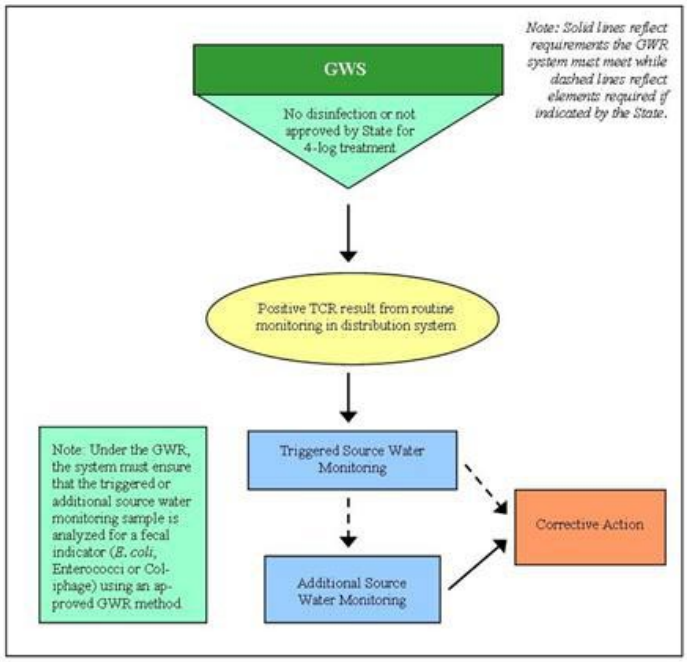

Figure 1: Triggered Source Water Monitoring

Triggered Source Water Monitoring

GWSs that do not provide at least 4-log treatment of viruses and are notified of a routine TC+ sample collected under the Total Coliform Rule (TCR) must conduct triggered source water monitoring. Triggered source water monitoring includes the collection and analysis of samples for fecal indicators and helps determine if fecal contamination is present in the ground water source.

Within 24 hours of being notified of a routine TC+ sample, the GWS must collect one ground water sample for each TC+ from each source in use when the routine TC+ sample was collected. The sample must be collected prior to treatment or at a state-approved location. Some GWSs might have to install a tap prior to treatment in order to collect this sample if one is not already in place. Both triggered and additional source water monitoring sample volumes must be at least 100 milliliters (ml). For systems that serve less than 1,000 people, the GWR allows the system, with state approval, to use the triggered source water sample to meet both TCR and GWR requirements, as long as the state has approved the use of E.coli as a fecal indicator for source water monitoring under both the TCR and GWR.

The GWR allows for representative sampling for those GWSs that have multiple sources. Instead of collecting a triggered source water sample per source in use at the time the routine TC+ was collected, the state may allow a GWS with multiple sources to sample from a groundwater source that is representative of the aquifer and of the monitoring sites in the system's state-approved TCR sample plan. The representative sample locations must be approved by the state. When conducting representative monitoring, systems must still collect the sample within 24 hours of being notified of the routine TC+ sample and analyze the sample using an approved method (see Table 1). Representative sampling may be beneficial for some systems since it reduces the monitoring cost burden. The rule authorizes the state to require a triggered source water monitoring plan if the GWS will be conducting representative monitoring.

The GWR has specific requirements for triggered source water monitoring conducted by wholesale and consecutive systems as shown in Figure 2.

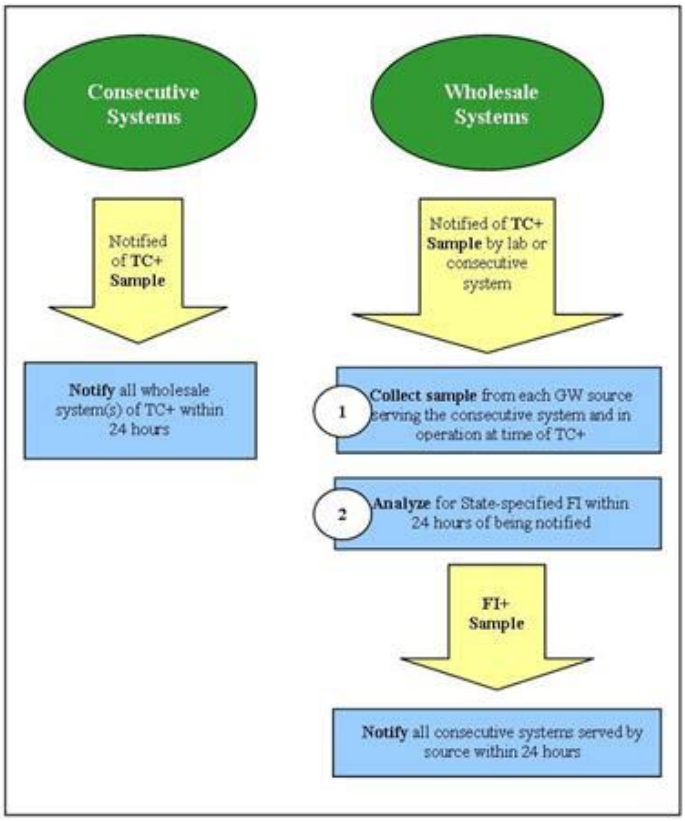

Figure 2. GWR Triggered Source Water Monitoring Requirements for Consecutive and Wholesale Systems

In the event that a wholesale system that does not provide 4-log treatment of viruses at all of its groundwater sources is notified by a consecutive system of a routine TC+ sample collected under TCR, the wholesale system must sample each groundwater source in operation at the time the TC+ was collected and analyze those sources for the state-specified fecal indicator within 24 hours of being notified of the TC+ sample. If this subsequent sample is fecal indicator-positive (FI+), the wholesale system must notify all consecutive systems served by the FI+ source and take the state-approved corrective action. In turn, both the wholesale and the consecutive systems that delivered finished water from the FI+ ground water source must notify their consumers under the Tier 1 Public Notification (PN) requirements and via Special Notice in the Consumer Confidence Report, both of which are described in more detail in the fifth article of this series.

Wholesale System: Public water system that treats source water, as necessary to produce finished water, and then delivers some or all of that finished water to another public water system.

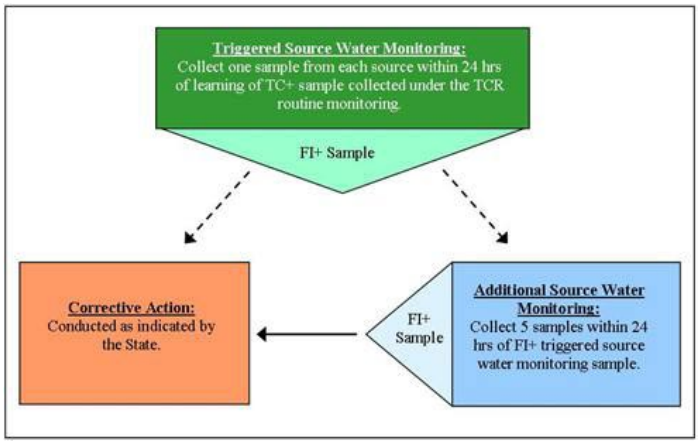

Figure 3. GWR Requirements for FI+ Triggered Source Water Monitoring Samples

Additional Source Water Monitoring

If a triggered source water monitoring sample is FI+, the system must conduct additional source water monitoring unless the state requires corrective action. Figure 3 above provides a graphical representation of these requirements. If the state invalidates a FI+ sample, the system must collect a new sample for the same fecal indicator. To comply with the additional source water monitoring requirement, the system must collect five additional source water samples within 24 hours of learning of the FI+ triggered source water sample, unless the state requires corrective action or if the sample is invalidated by the state. The samples must be collected from the same ground water source where the original triggered source water monitoring sample was collected that had a FI+ source water sample. The GWS should ask the state for the frequency at which it must collect the additional source water monitoring samples during the 24-hour period as well. If one of the additional source water samples is FI+, the GWS is required to conduct corrective action as discussed in the rule. Corrective action is discussed in the fourth article of this series.

Methods

Samples must be analyzed using methods approved under the GWR. Table 1 identifies the approved methods.

Frequently Asked Questions about Triggered Source Water Monitoring

Question 1. If a GWS analyzed a triggered source water monitoring sample for E.coli, is it required to analyze the additional source water monitoring sample for E.coli as well?

Table 1. GWR-Approved Methods

Fecal Indicator	Methodology	Method Name
E. coli	Colilert	9223 B
	Colisure	9223 B
	Membrane Filter Method with MI Agar	EPA Method 1604
	m-ColiBlue24 Test	[1]
	E*Colite Test	[2]
	EC-MUG	9221 F
	NA-MUG	9221 G
Enterococci	Multiple Tube Technique	9230 B
	Membrane Filter Technique	9230 C
	Membrane Filter Technique	EPA Method 1600
	Enterolert	[3]
Coliphage	Two-step Enrichment Presence-Absence Procedure	EPA Method 1601
	Single Agar Layer Procedure	EPA Method 1602

Analyses must be conducted in accordance with the documents listed below. The Director of the Federal Register approves the incorporation by reference of the documents listed in footnotes 2–11 in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of the documents may be obtained from the sources listed below. Copies may be inspected at EPA's Drinking Water Docket, EPA West, 1301 Constitution Avenue, NW., EPA West, Room B102, Washington DC 20460 (Telephone: 202–566–2426); or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

1A description of the m-ColiBlue24 Test, "Total Coliforms and E. coli Membrane Filtration Method with m-ColiBlue24®Broth," Method No. 10029 Revision 2, August 17, 1999, is available from Hach Company, 100 Dayton Ave., Ames, IA 50010 or from EPA's Water Resource Center (RC–4100T), 1200 Pennsylvania Avenue, NW., Washington, DC 20460.

2A description of the E*Colite Test, "Charm E*Colite Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia coli in Drinking Water, January 9, 1998, is available from Charm Sciences, Inc., 659 Andover St., Lawrence, MA 01843–1032 or from EPA's Water Resource Center (RC–4100T), 1200 Pennsylvania Avenue, NW., Washington, DC 20460.

3Medium is available through IDEXX Laboratories, Inc., One IDEXX Drive, Westbrook, Maine 04092. Preparation and use of the medium is set forth in the article "Evaluation of Enterolert for Enumeration of Enterococci in Recreational Waters," by Budnick, G.E., Howard, R.T., and Mayo, D.R., 1996, Applied and Environmental Microbiology, 62:3881–3884.

Answer 1. No. The federal rule does not state that the additional source water monitoring sample be analyzed for the same fecal indicator used for triggered source water monitoring. This would be a state-specific requirement. Please check with your state to ensure you analyze the sample for the correct fecal indicator.

Question 2. If any of the GWS's repeat TCR samples are TC+, does the GWS have to take more triggered source water monitoring samples?

Answer 2. No. The GWS is only required to conduct triggered source water monitoring in response to a TCR routine sample result that is TC+. However, the state may require the GWS to conduct assessment monitoring if it believes that the source might be vulnerable to contamination.

Question 3. Is an FI+ triggered source water sample a treatment technique violation?

Answer 3. No. An FI+ triggered source water sample requires either corrective action or additional monitoring as determined by the state. It also requires Tier 1 PN, Special Notice in the Consumer Confidence Report, and notification to any consecutive system that could have received water from the FI+ source. Under the GWR, the system will only receive a treatment technique violation if it fails to meet the corrective action requirement, provide treatment, or maintain microbial treatment.

Training Opportunities

Currently, EPA Headquarters has not scheduled any additional workshops or webcast trainings on the GWR; 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 that may be held near you. For more information on the GWR, please visit the GWR homepage at: www.epa.gov/safewater/disinfection/gwr. The next article will cover GWR requirements for compliance and assessment source water monitoring.

Disclaimer: This article is not a rule and is not legally enforceable. As indicated by the use of non-mandatory language such as "may" and "should," it does not impose any legally binding requirements. This article describes requirements under existing laws and regulations, and does not replace any existing established laws or regulations. ■

RESOLUTION
WHEREAS, considerable time has been expended and expense incurred by Steve Lagro of Minnesota Valley Testing Laboratories in his position as Associate Director of the North Dakota Water and Pollution Control Conference during the past year, and in making this Joint Meeting with the North Dakota Water Environment Association, the North Dakota Chapter of the American Public Works Association, and the North Dakota Section of the American Water Works Association both a successful and enjoyable one;

NOW, THEREFORE, BE IT RESOLVED that the 82nd Annual Conference of the North Dakota Water and Pollution Control Conference, the 51st Annual Conference of the North Dakota Water Environment Association, the 55th Annual Conference of the North Dakota Chapter of the American Public Works Association, and the 20th Annual Conference of the North Dakota Section of the American Water Works Association, here assembled, do express their heart felt thanks and appreciation to Steve and that the secretary be instructed to forward to him a copy of this Resolution.

Dated at Fargo, North Dakota, this 14th day of October 2010.

Secretary/Treasurer

RESOLUTION
WHEREAS, considerable time is expended by the Municipal Facilities and Water Quality Divisions of the North Dakota Department of Health in furthering Conference development, aims, and purposes;

NOW, THEREFORE, BE IT RESOLVED that the 82nd Annual Conference of the North Dakota Water and Pollution Control Conference, the 51st Annual Conference of the North Dakota Water Environment Association, the 55th Annual Conference of the North Dakota Chapter of the American Public Works Association, and the 20th Annual Conference of the North Dakota Section of the American Water Works Association, here assembled, do express their heartfelt thanks and appreciation to the North Dakota Department of Health for the work that has been done, and especially to the Municipal Facilities and Water Quality Divisions for furthering the activities of the Conference, for their work on the *Official Bulletin*, and for their assistance in organizing the Water and Wastewater Operators' Training Sessions each year.

Dated at Fargo, North Dakota, this 14th day of October 2010.

Secretary/Treasurer

RESOLUTION
WHEREAS, during the year, we have lost the following member of our Conference in the death of:

Darin Billing of Bismarck

NOW, THEREFORE, BE IT RESOLVED that the 82nd Annual North Dakota Water and Pollution Control Conference, here assembled does express its deepest sympathy to the family and that the secretary be instructed to forward a copy of this Resolution to them.

Dated at Fargo, North Dakota, this 14th day of October 2010.

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2010 Operator of the Year Awards

The North Dakota Department of Health, in an effort to encourage proper operation and maintenance of water and wastewater systems, instituted an annual operator awards program in 1981 at the Annual North Dakota Water and Pollution Control Conference in Jamestown. This year marks the 30th anniversary of the awards program which has honored 168 operators and three military units (the U.S. Army Reserve, the ND Army National Guard, and the ND Air National Guard) for outstanding service.

The awards are based on:

1. Field and inspection reports.
2. Compliance with state regulations.
3. Participation in the North Dakota Operator Training and Certification Program.
4. Participation in the North Dakota Water and Pollution Control Conference, North Dakota Chapter of the American Public Works Association, North Dakota Water Environment Association, and the North Dakota Section of the American Water Works Association.

Recipients of the 2010 Operator of the Year Awards are:

Wade Hesch - City of Valley City
Wade started at the Valley City Water Treatment Plant in 1997 and took over as Water Plant Superintendent in 2004. He is a certified Grade IV Water Treatment Operator and served six years on the ND Operator Certification Advisory Committee, one year as committee president. Wade is currently a member of the Water Utility Council, NDAWWA, and NDWPCC.

Mark Peterson - City of Fargo
Mark started with the city of Fargo in 1996 and was promoted to Water Treatment Plant Operations Supervisor in 2009. He has an Associate Degree in Water Quality Technology from NDSU - Bottineau, and he is a certified Grade IV Water Treatment Operator. Mark is an active member of the NDAWWA and NDWPCC.

Mike Brisben (NDDH, left) presenting award to Mark Peterson, city of Fargo.

Donald Wald - City of Wahpeton
Don started with the city of Wahpeton in 2000 and took over as Water and Sewer Department Supervisor in 2003. He is a certified Grade II Water Distribution Operator, Grade II Wastewater Collection Operator, and Grade II Wastewater Treatment Operator. Don is a member of the NDAWWA and NDWPCC.

Mike Brisben (NDDH, left) presenting award to Wade Hesch, city of Valley City.

Mike Brisben (NDDH, left) presenting award to Donald Wald, city of Wahpeton.

Keith Winson - City of Maddock
Keith has been the Water Treatment Plant Superintendent for the city of Maddock since September 1995. He is a Grade II certified Water Treatment Operator and an active member of the NDWPCC. Keith is also an active member of the Maddock Fire Department and has served three years as Fire Chief. ■

Mike Brisben (NDDH, left) presenting award to Keith Winson, city of Maddock.

Past Recipients: Operator of the Year Awards

2009 Dennis Larson, Park River
Ken Miskavige, Grafton
Gary Neuberger, Beulah
Jason Sorenson, Minot

2008 Bill Gefroh, Bismarck
Steve Himmelspach, Mandan
Richard Jacobson, Hazen
Roy Hayes, Hazen

2007 Duane Golliet, Fargo
Raymond Peterson, Fargo
Terry Rust, West Fargo
Jerome Olson, Traill Rural Water District

2006 Kelly Berentson, Westhope
Jerry Imhoff, Elgin
Jay Haugen, Michigan

2005 Keith Olson, Harvey
Bob Weninger, Harvey
Ken Blilie, Kindred
Del Kindelspire, LaMoure

2004 Ron Hendrickson, Fargo
Pete Bilstad, Fargo
Delvin Stemen, Burlington
Mark Paddock, Burlington

2003 Rick Anderson, Central Plains Water District
Keith Fulsebakke, Bottineau
Don Horning, Zap

2002 Arlis Bischoff, Grafton
Allan Kraft, Cavalier
Doug Neibauer, South Central Regional Water District
Gary Zander, Mandan

2001 Verdeen Backstrom, Minnewaukan
Jerome Broz, Fairmount
Jack Knudson, Jamestown
Paul Lacina, Barnes Rural Water

2000 Tim Gjovig, Crosby
Jim Fixen, Alexander
Ed Rekkedal, Arvilla
Reuben Grosz, Bismarck

1999 Richard Wanner, Bismarck
Tom Sieg, Anamoose
Ron Kleven, Grafton
Bill Emerson, Minot

1998 Bill Link, Walsh Water Users
Ross Carter, Sherwood
Bob French, Bismarck
Terry Leingang, Riverdale

1997 Staff Members of the 348th Quartermaster Detachment (Water Purification) United States Army Reserve

Staff Members of the 136th Quartermaster Battalion
North Dakota Army National Guard

Staff Members of the 119th Civil Engineering Squadron North Dakota Air National Guard

Operators of Grand Forks-Traill Water Users
Randy Loeslie
Mike Thompson
Neil Breidenbach
Ray Rakoczy

Operators of Agassiz Water Users
Gus Cronquist
Clark Cronquist

City of Grand Forks Water Treatment Plant Operators and Employees

Brian Borden	Jason Coyle
Andy Job	Greg Batzer
Steven Bolton	David Brose
James Evenson	John Ferguson
Larry Hadland	Erik Johnson, Jr.
Richard Jurgens	Rodney Kalis
Ken Mather	Robert Peterson
Wayne Tunseth	Dan Tupa
Craig Lacher	Steve Kolar
Linda Schumacher	Hazel Sletten

City of Grand Forks Water Distribution Operators

Ron Borden	Darrel Danielson
Robert Deitz	Perry Hart
Jackie Heidrich	Michael Klemisch
David Kratochvil	Dennis Kulas
Shirley Litchy	John Scheffer
Mark Skow	Peter Stoute
Randy Thompson	Donald Zhorela
Dwight Wurzbacher	

City of Grand Forks Wastewater Operators (Storm and Wastewater Departments)

Thomas Helle	Kenneth Stevenson
Peter Aamold	Dennis Dunn
Robert Fetsch	Duane Fontaine
Gary Goetz	Dennis Gunderson
Edward Haskell	David Kresel
Thomas Mikelson	Lawrence Morrison
Carl Sherlock	Richard Winkels

1996 Randy Seelig, Lisbon
Skip Rapp, Dickinson
Larry Thomas, Washburn
Gary Hager, Upper Souris Water Users

1995 Brad Moser, Medina
Les Sigette, McVille
Don Olafson, Valley City
Charles Jaszkowiak, Bismarck

1994 Gregg Christensen, Cass Rural Water Users
Gordon Johnson, North Valley Water Assoc.
Kerry Miller, Stanton
Virgil Sund, Oakes

1993 Jeff Huwe, Columbus
Clay Pettys, Lake Metigoshe Recreation Service Dept.
Richard Resell, Williston

1992 Dave Auch, Mandan
Joel Heitkamp, Southeast Water Users
Michael Schneider, Jr. Strasburg
Joseph Leo Tupa, Grand Forks

1991 Jim Moe, Devils Lake
Lyle Mitzel, Wahpeton
Joe Manning, Fargo
Howard Plum, Maddock

1990 Keith Demke, Bismarck
Rick Gillund, Enderlin
Greg Nordsven, Killdeer
Byron Thronson, Minot

1989 Ed Braunagel, Harvey
Greg Larson, R&T Water Supply
Ingram Opp, New Salem
Dale Townsend, Carrington

1988 David Burckhard, Minot
Ray Feltman, Minto
Dale Hanson, Valley City
Robert Job, Linton

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Dave Johnson, Washburn
Marvin Johnson, Jamestown
Harland Peterson, Carrington

1986 Dan Reiter, Minot
Larry Thelen, South Central Regional Water District
Bill Werle, Velva
Jerry Zander, Mandan

1985 Ray Foss, Hillsboro
Phil Furaus, Harvey
Francis Leintz, Lisbon
LaRay Reis, Lisbon
Dwight Wurzbacher, Grand Forks

1984 Larry Boepple, Halliday
Lester Carman, Bismarck
Joe Roshau, Killdeer
Beven Shaw, Williston

1983 Gary Armstrong, Rolla
Cliff D'Heilly, Neche
Virgil Houim, Rugby
Bud Lund, Bismarck
Arnonld Stokkeland, Cooperstown

1982 Fred Clark, Grafton
Harry Hanks, Beulah
Don Larson, Gwinner
Bill Mendewald, Hankinson
John Muus, Grand Forks

1981 Marvin Baska, Mohall
Alvin Carlson, Langdon
Al Swanson, Jamestown
Gene Thomas, McVille
Casper Volk, Rugby

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NDWEA 51st Annual Meeting Minutes

The North Dakota Water Environment Association (NDWEA) held its annual business meeting on Thursday October 14, 2010 at the Holiday Inn in Fargo, North Dakota. Skip Rapp called the meeting to order; 157 people were present at the 11:30 a.m. business luncheon.

The minutes for last year's meeting were published in the *Official Bulletin*. President Rapp asked if there were any objections to dispensing with the reading of the minutes. There were no objections. Keith Demke moved that the minutes be approved as published. Mark Blonigen seconded the motion. There was no further discussion, and the motion passed.

Bill Gefroh was called upon by President Rapp to present the Secretary-Treasurer's report. As of August 31, 2010, the association has a general fund balance of $4,940.78. Last year on September 3, 2009, the balance was $5,262.33, a decrease of $321.55 from the previous year. NDWEA membership is at 143, compared to 154 at this time last year. Mel Bullinger made a motion to approve the Treasurer's report. Dan Stephan seconded, and the motion passed.

The majority of the NDWEA budget expenditures are aimed at providing water/wastewater educational support and related activities in North Dakota. In 2010, the NDWEA contributed monetary support to:

1. The North Dakota State Science Fair. Two checks for $75 were provided: one each for the junior and senior divisions for outstanding water quality projects, NDWEA also contributed $813.60 for the cost of the airline tickets for Patrick Gulan and his teacher Marcus Friskop from Hankinson High School to participate at the national Stockholm Junior Water Prize Competition in St. Louis, Mo.
2. The Student Chapters at the North Dakota State University in Fargo and the University of North Dakota in Grand Fords. A total of $500 was contributed to the activities fund to help with expenses associated with their participation in the student design competition at the Water Environment Federation (WEF) Technical Exhibition and Conference that was held in New Orleans, La. in 2010.
3. The Gateway to Science Center in Bismarck, Environmental Festival, $500
4. The River Keepers in Fargo, Environmental Festival, $500
5. Drinking water week advertisement, $482.43
6. Water/Wastewater Agency Response Network, webpage, $350
7. Keep North Dakota Clean, poster contest, $100
8. The Water Environment Research Foundation, $100

Awards that were sponsored by or through the NDWEA in 2010 included two high school awards (one each for the junior and senior divisions for outstanding water quality projects at the North Dakota State Science and Engineering Fair), the WEF Burke Safety Award, the NDWEA President Service Award, and one WEF Life Membership Award.

President Rapp introduced the guest speaker, Mr. Cordell Samuels, WEF Board of Trustees member. He is the current Plant Superintendent at the Duffin Creek Water Pollution Control Plant in Ontario, Canada. Mr. Samuels talked about WEFTEC, WEF, and how WEF is trying to modernize its image, realign its website, and make changes to meet future challenges. He encouraged people at the luncheon to get involved and respond to WEF initiatives, to attend WEFTEC, and to be a part of the water and wastewater solutions our communities benefit from.

Old Business:
Approval of the NDWEA Constitution and Bylaws proposed changes as emailed out to NDWEA members, including: add two additional past presidents to the executive committee; adopt the recommended changes as suggested by the WEF Constitution and Bylaws review committee, change the director designation to delegate, change the Board of Control designation to House of Delegates, change the Professional Wastewater Operations Division Regional Council designation to Professional Wastewater Operations representative, allow delegates to be reappointed in accordance with the WEF Constitution and Bylaws, adopt the new membership language as developed/adopted by WEF, remove the review of the WEF applications by the Secretary-Treasurer for approval as a WEF member, and change the WEF Regional Meeting designation to WEFMAX (Water Environment Federation Member Association Exchange). Pete Bilstad made a motion to approve the NDWEA Constitution and Bylaws changes, Rick Gillund seconded it, and the motion passed.

President Rapp called upon Seth Lynne from the Nomination Committee to present the NDWEA nominations. The Nominating Committee members were Gary Bracht, Seth Lynne, and Eric Dodds. Mr. Lynne

reported the Nomination Committee has nominations for the incoming NDWEA:
Vice president - Professor Wei Lin
Delegate - Bill Gefroh
Professional Wastewater Operator - Wayne Offerdahl

President Rapp asked if there were any further nominations from the floor. No nominations were offered. Mr. Lynne nominated the following NDWEA slate of officers for 2010/2011:
President: Karla Olson
President-Elect: Don Tucker
Vice President: Wei Lin
Secretary-Treasurer: Bill Gefroh
Delegate: Bill Gefroh, 1st year of three-year term
Professional Wastewater Operations: Wayne Offerdahl, 1st year of three-year term
Past President: Skip Rapp
Past President: Eric Dodds
Past President: Seth Lynne

Keith Demke moved that the nominations be closed and a unanimous ballot be cast for the nominated slate of announced officers. Tom Welle seconded the motion, and the motion passed.

At this time, President Karla Olson became the chief officer of the NDWEA. Her first duty as president was to present Skip Rapp with the President's Service Award. With no further business, President Olson asked for a motion to adjourn. Pete Bilstad made a motion to adjourn. Dave Kresel seconded the motion, and President Olson adjourned the meeting.

Respectfully submitted,
Bill Gefroh
Secretary-Treasurer

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NDAPWA, Annual Membership Meeting

October 12, 2010 Fargo, ND

Call to Order: The North Dakota Chapter of the American Public Works Association (NDAPWA) annual membership meeting was called to order by President Darin Schaeffer.

Approval of Minutes:
Minutes of the May 26, 2010 Executive Meeting were previously approved at the earlier board meeting and are available on the chapter website, and were published in the *Official Bulletin*.

Motion: Kevin Bucholtz – to approve minutes
Second: Charlie Vein

Treasurer's Report:
Report on chapter finances was given by Dan Jonasson
Motion: Rusten Roteliuk to approve treasurer's report
Second: Barry Johnson

Old Business:
None

New Business:
APWA Awards Program - If you have successfully worked on a public works project or know of colleagues who have made outstanding contributions to APWA or in the public works field, you are encouraged to submit an entry for the "APWA 2011 Project of the Year Award." Contact a member of the executive committee for nomination information. Criteria will be published in the *Official Bulletin*.

Nomination of Officers for 2010 by Darin Schaeffer:

President	Shawn Soehren
Vice President	Dan Jonasson
Secretary/Treasurer	Chad Zander
Executive Secretary	Chuck Abel
Delegate	Rusten Roteliuk
Past President	Darin Schaeffer
Director	Terry Boehm
Director	Lance Meyer
Director	Rick Gillund
Director	Jeff Heintz

There were no further nominations from the floor.

Motion: Kevin Bucholtz to close nominations and approve those submitted by President Darin Schaeffer
Second: Barry Johnson
Motion approved unanimously

President Darin Schaeffer introduced the new NDAPWA chapter President Shawn Soehren.

President Soehren presented a certificate of appreciation and President's pin to Past President Darin Schaeffer and thanked him for his service the past year.

Adjourn:
Motion: Rusten Roteliuk to adjourn
Second: Lance Meyer

Submitted by:
Dan Jonasson, Secretary/Treasurer

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APWA
2011 Project of the Year
Nominations

The North Dakota Chapter of the American Public Works Association is soliciting nominations for the "2011 Project of the Year" Awards.

Any public works project defined as the physical structures and facilities that are developed, owned, and maintained by public agencies to provide water, power, waste disposal, transportation, and similar public services in accordance with established public policy are eligible.

Criteria to be used in the selection process include demonstrating good construction techniques, safety, community relations, protecting the environment, unusual accomplishments, and additional conditions deemed important to the public works agency.

Award recipients and their engineer will receive an APWA "Project of the Year" recognition plaque presented at the banquet of the North Dakota Water and Pollution Control Conference to be held in Bismarck on October 13, 2011. Each project is eligible for nomination for the National APWA "Public Works - Project of the Year" competition. An award will be presented to projects serving communities of less than 5,000 and to communities serving more than 5,000 people. Nominations are due by May 13, 2011.

Submissions for consideration or questions concerning nominations should be addressed to:

Darin Schaeffer
Bartlett & West
3456 Century Avenue E
Bismarck, ND 58503
darin.schaeffer@bartwest.com

John Donahue
Vice-President (2010-2011)
American Water Works Association

John is the General Manager of the North Park (Ill.) Public Water District, a groundwater system with 25,000 customers. He continues to hold water and wastewater operator licenses and advocates for operator involvement.

An AWWA member since 1987, John has been an active member of the Illinois Section for more than 20 years. He was honored in 2009 with the Fuller Award and now represents the section on the AWWA Board of Directors. He has served as section chair, vice-chair, and district trustee; and has chaired the Teleconference, Nominating, and Meter Madness committees. In addition, he has served as a member of the Manufacturers Advisory and Water Utility Councils—participating in the AWWA Fly-In—and of the Bylaws, Fuller Award, and ACE10 Planning Committees.

At the association level, Donahue is co-vice-chair of the Distribution Plant Operations Division, liaison to the Water Loss Control Committee, and member of the ACE10 Technical Program, Distribution System Symposium Planning, and Opflow Best Paper Evaluation and Meter Madness committees as well. Previously, he chaired the Heroism Award Committee and served on the Operator Involvement Committee.

He is past-president of the Kane County Water Association and the Northeast Illinois Association of Water Pollution Control Operators. Donahue also belongs to numerous other professional organizations

John and his wife Debbie reside in Roscoe, Illinois. ■

ND Chapter APWA Announces 2010 Project of the Year Award Winners

Project of the Year awards were presented at the 2010 North Dakota Water and Pollution Control Conference in Fargo by the North Dakota Chapter of the American Public Works Association (APWA). The awards are presented in two categories: large community (serving populations greater than 5000) and small community (serving populations less than 5000). Eligible public works projects are defined as the physical structures and facilities that are developed, owned and maintained by public agencies to provide water, power, waste disposal, transportation and similar public services. Project selection criteria included construction techniques, safety issues, community relations, environmental protection, unique accomplishments, public benefit and other similar criteria.

Large System Project of the Year – Northwest Area Water Supply (NAWS) Finished Water Reservoir and High-Service Pump Station Facility. Pictured left to right: Jeff LeDoux, Houston Engineering; Michelle Klose, ND State Water Commission; Alan Walter, city of Minot; Rusten Roteliuk, APWA Past President.

Large Community Winner - Northwest Area Water Supply; Engineer: Houston Engineering, Inc.

The goal of the Northwest Area Water Supply (NAWS) project is to bring Lake Sakakawea water to Minot for treatment and distribution to approximately 60,000 people in north central North Dakota. The entire NAWS project is subject to environmental conditions agreed to as part of the Environmental Assessment process that preceded initial construction in 2002. These conditions identify and stress communication and coordination with many state and federal agencies to limit project-related impacts to historical sites, sensitive environmental areas, wetlands, wildlife, endangered species and the environment in general. An annual site visit was required to evaluate construction techniques and ensure compliance with the environmental conditions. In spite of an injunction, the court allowed the North Dakota State Water Commission to proceed with design and construction of project elements that do not affect any potential treatment options south of the continental divide. This project included a new, 2-million-gallon reinforced concrete reservoir, pump station building, pumps for the NAWS distribution system (high pressure side) and the city of Minot Valley Zone (low pressure side), new backwash pumps in the Minot water treatment plant, a 42-inch diameter pipeline to connect the existing clearwell at the Minot water treatment plant (MWTP) to the newly finished water reservoir and high service pump station facility (FWR/HSPS), standby power, integration with the security system, site piping and a collection system. Due to site constraints and impacts to future NAWS elements, the new FWR/HSPS was ultimately located on a city-owned lot across 16th Street SW from the MWTP.

Small System Project of the Year – City of Cavalier Lift Station Improvements. Pictured left to right: Rusten Roteliuk, APWA Past President; Mark Lambrecht, AE2S.

Small Community Winner - City of Cavalier System Improvements; Engineer: AE2S, Inc.

Two of the lift stations belonging to the city of Cavalier were not keeping up with the flow of the wastewater pipeline and were causing backups and raw sewage to overflow into the river. The challenge of the project was that the lift stations were built deep into the earth and were located right up against homes. AE2S developed strong working relationships with homeowners to navigate through the project as well as with funding agencies to secure adequate funds for the repair. The AE2S team completed a preliminary engineering report to secure funding, worked with hydraulic modeling systems, acquired funding to complete the repair and designed a cost-efficient and successful solution for the city of Cavalier's lift station upgrade. ■

Minutes of the Business Meeting, North Dakota Section of AWWA

The Business Meeting of the North Dakota Section of the American Water Works Association (AWWA) was held at the Holiday Inn of Fargo, North Dakota, on October 13, 2010.

Mr. Duane Friesz called the meeting to order at 12:35 p.m. and recognized the head table, Section Officers, Trustees, and AWWA Vice-President John Donahue.

The minutes of the October 22, 2009 Business Meeting were published in the 2009 post-conference issue of the *Official Bulletin*. Mr. Friesz asked for any corrections to the minutes. There were none. Ms. Hazel Sletten moved to approve the minutes as published. Mr. Jack Long seconded. Motion carried.

Mr. Friesz presented the Treasurer's Report. The section had income of $32,554.28 and expenses of $41,866.41, for a net loss of $9,312.13 in 2009. The section had (as of December 31, 2009) $28,721.91 in checking and money market accounts, and endowments and reserve of $80,000. Total assets for the section were $108,721.91. Mr. Mel Bullinger moved to accept the Treasurer's Report, and Ms. Hazel Sletten seconded the motion. Motion carried.

Mr. Eric Volk presented the audit report as conducted by Mr. Volk and Mr. Jason Sorenson. The financial records were reviewed, and no discrepancies were found. Ms. Lisa Ansley moved to accept the Audit Report as presented. Seconded by Mr. Jack Long. Motion carried

Mr. Friesz introduced each of the Board of Trustee candidates. Nominees for trustee are Mr. Mike Berg and Ms. Nancy Huether. The election was held by secret ballot. Mr. Friesz informed the members that Ms. Nancy Huether is the new trustee.

Ms. Sarah Volk presented Certificates of Award for Water Treatment and Water Distribution Certification Advancement. This year's awardees are Chad Mittleider, Ken Royse and Clint Cogdill.

Mr. Friesz presented a lifetime membership plaque for Mr. Rodney Kalis who has been a member of AWWA for 30 years. Mr. Kalis was unable to attend, and the plaque was accepted by Mr. Joe Ferguson.

There was no other unfinished business or new business.

Mr. Friesz introduced the guest speaker, Mr. John Donahue. Mr. Donahue is from North Park, Illinois, and currently serves as the General Manager for North Park Public Water District. Mr. Donahue presented the Kenneth J. Miller award to Ms. Hazel Sletten. This award was made to Ms. Sletten to honor her for exemplary service, dedication and leadership in the advancement of the Water For People mission.

Mr. Donahue's presentation to the audience was about the opportunities of AWWA as an organization. The value of AWWA is in being engaged in the organization. Being involved opens doors to meet lifelong friends, networking, mentoring, encouragement from peers to excel, and many other opportunities.

Mr. Friesz thanked everybody for their support and help during his tenure as chair. He introduced Mr. Dean Sletten, incoming Section Chair. Mr. Sletten thanked Mr. Friesz for the work that he accomplished during his time as Section Chair and presented him with a plaque.

Mr. Sletten asked for a motion to adjourn the meeting. Ms. Meredith Quinn moved to adjourn, and Ms. Miranda Kleven seconded the motion. The motion carried and the meeting was adjourned at 1:05 p.m.

Respectfully submitted,

David J. Bruschwein
Secretary-Treasurer

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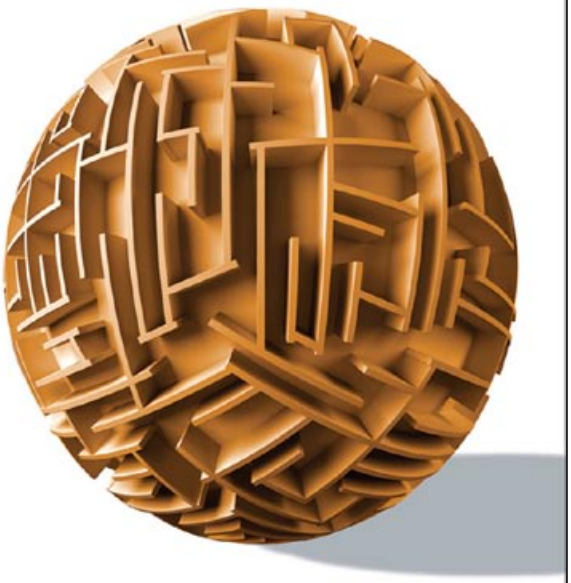

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Minutes of the Spring Board of Trustees Meeting
North Dakota Section of the American Water Works Association

The Fall Board Meeting of Trustees was held at the Holiday Inn in Fargo, ND on October 12, 2010. Present at the meeting were Greg Wavra, Dean Sletten, Tim Paustian, Nancy Huether, David Bruschwein, Duane Friesz, Jason Sorenson, Eric Volk, Larry Thelen, Hazel Sletten, John Donahue, Jack Long, Lisa Ansley, Meredith Quinn, Sarah Volk, Chad Miller, and Dennis Larson.

The meeting was called to order by North Dakota AWWA (NDAWWA) President, Duane Friesz at 7:35 a.m. To begin the meeting, Lisa Ansley introduced AWWA Vice-President John Donahue.

Secretary's Report
After brief introductions were made, Chad Miller gave the Secretary's Report. The report required the dispensing and approval of the minutes from the spring meeting held in May of 2010. Tim Paustian made a motion for approval. Jason Sorenson seconded, and the motion passed.

Treasurer's Report
Next, Greg Wavra gave the Treasurer's Report. Mr. Wavra stated that NDAWWA has a total of $31,853.91 in cash and in bank accounts. He noted that NDAWWA has more than $90,000 in reserves and scholarship endowments and $111,853.91 in total assets. Mr. Wavra also stated that the overhead at the time was approximately $1000 depending on the expenses for past student trips. Mr. Paustian inquired about the profits NDAWWA would receive from the 2010 North Dakota Pollution and Control Conference. Mr. Wavra stated he would estimate $1900. Lisa Ansley led some discussion on the future reimbursements for the University of North Dakota students in addition to the North Dakota State University students. Ms. Ansley motioned to approve the Treasurer's Report. Mr. Paustian seconded and the motion carried.

Education and Research
Meredith Quinn gave the committee report and stated that Leslee Storlie won the university scholarship. Ms. Quinn also noted that NDSU sent eight students to WEFTECH, and UND sent three. She also stated that NDAWWA made over $1900 for the Surface Water Workshop held earlier this year.

Mr. Paustian inquired about judges for the poster session held at the NDWPCC. Eric Volk, John Donahue, and Dean Sletten all volunteered to be judges. Mr. Donahue stated that he would review the format and requirements for the poster session. He also would like the winning poster to be published in the AWWA Journal and *Official Bulletin,* as well as getting the winner to ACE 2011.

Membership
Dean Sletten led the conversation on membership. He stated that NDAWWA currently has 266 members. The section usually has, on average, 254. He noted that the section is seeing an increase in student memberships; however, he is seeing a decline in the individual and utility memberships. He then discussed activities that AWWA is proposing to help increase membership.

Water for People
Hazel Sletten led the discussion on Water For People. She stated that golf sponsors for this year's golf tournament held during the NDWPCC Conference have already donated more than $2800. NDAWWA alsowill be selling raffle tickets at $5 each during the conference.

Public Relations Committee
Next, Sarah Volk spoke on behalf of the PR Committee. She said that the committee had met in May of 2010. The committee made updates to the awards given to operators, redesigned and purchased a new plaque for the "water taste test" contest, ordered 500 water bottles to be given out at the table top display session, and purchased a new retractable banner for the booth.

Water Utility Council
John Donahue led conversation on the water utility council. He made comments on the large number of attendees. He also mentioned the impact AWWA had at the recent "D.C. Fly-In." He noted that all 50 states were represented.

Director's Report
The director's report was given by Lisa Ansley. She stated that AWWA's major focus has been on membership and its value. She also made statements on the nominations and upcoming elections. She will be attending the winter board meeting for directors in San Antonio in January. Next, Mr. Donahue made comments on the current program analysis performed by AWWA. He stated that one-third of current AWWA programs are to be revamped or eliminated. This process will establish guidance on which of AWWA's current programs will need help or termination.

WARN
Mr. Wavra stated that NDAWWA gave $350 for the establishment and creation of the new WARN website. He stated that it is now in use. He also stated during the past year 50 people have attended training for WARN. He then spoke on the legal issues with WARN agreements, North Dakota Century Code and indemnification.

New Items
Next, Chad Miller offered his resignation from the position of NDAWWA Secretary/Treasurer. He stated that he appreciated everybody's help through the past years. Mr. Volk motioned to accept Mr. Miller's resignation, and Ms. Ansley seconded. The motion passed.

Several members of the board requested that David Bruschwein consider accepting the appointment to fill the now-vacant position as NDAWWA Secretary/Treasurer. Ms. Ansley made a motion to do so, as well as adding him to the checking account and having him serve as the registered agent. Mr. Paustian seconded. The motion carried.

There was discussion on getting a co-chair member to help with the Education and Research committee as well as the PR committee.

Lastly, there was discussion on the student budget. Since there is a new UND student chapter, the budget will need to include expenses for both schools. The board decided to allow each school to develop a budget to submit to the board for approval and incorporation into the NDAWWA budget.

Mr. Paustian made a motion to adjourn, and Mr. Sletten seconded. The motion carried, and the meeting adjourned at 9:20 am.

Respectfully submitted,
Chad Miller
Secretary/Treasurer

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Mayville Wins Drinking Water Taste Test

The 82nd Annual Water and Pollution Control Conference was held in Fargo, North Dakota in October 2010. In conjunction with the conference, the North Dakota Section of the American Water Works Association (NDAWWA) sponsored its annual drinking water taste test in which North Dakota cities may enter samples of their drinking water to be judged in a blind taste test by conference attendees. Cities participating in the taste test included: Bismarck, Enderlin, Fargo, Grand Forks, Mandan, Mayville, Minot, Mohall, Valley City and Wahpeton. The winner of this year's taste test was the Mayville. ■

Daniel Overmoe, Mayville, receives award from Meredith Quinn, NDAWWA.

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Burke Safety Award

Keith Demke and the Bismarck Wastewater Treatment Plant and Collections staff were presented the Burke Safety Award by Cordell Samuels - WEF Vice President. The purpose of the Burke Award is to encourage active and effective safety programs, addressing safety in facilities, industrial areas, or cities wastewater collection and/or wastewater treatment plants. The Burke Award is given to facilities to recognize the time and efforts of staff related to safety training, safety implementation and any creative and innovative ideas related to working safely. This is the sixth time that the city of Bismarck has been presented the Burke Safety Award since 1983. ■

Left to right: back row Brock Garaas, Matt Routledge, Brad Glass, Brad Kilde & Jeron Fueller; front row Bill Gefroh, Kyle Hagen, Cordell Samuels, Boyd Schmaltz & Keith Demke.

Neibauer Receives Operator Meritorious Service Award

Doug Neibauer, Manager for the South Central Regional Water District, was presented with the Operator Meritorious Service Award from the American Water Works Association. The award is presented to recognize special performance by operators for compliance with public health standards, plant maintenance, development of new ideas, training and outstanding achievement beyond normal operating responsibilities. Doug believes that every municipality, rural resident and business should have dependable, affordable, high quality water. His vision is to eventually serve residents within a five-county area of southcentral North Dakota. Mr. Neibauer has worked for the water district for 30 years. ■

Joe LeFave (right),Bismarck, receives the award from John Donahue, AWWA, on behalf of Doug Neibauer, Bismarck.

Kenneth J. Miller Founders' Award

Hazel Fetters-Sletten, Grand Forks Water Treatment Plant Water Utility Superintendent, was presented with the Kenneth J. Miller Founders' Award from Water For People (WFP). The Kenneth J. Miller Founders Award, established in 2001 by the Board of Directors of WFP, honors outstanding volunteer service to this international humanitarian effort. WFP was conceived in response to the water, sanitation and health needs of millions of families living in the developing world. Hazel was one of the initial organizers of the North Dakota WFP committee. She saw the importance of providing access to clean water and sanitation in the developing world and embraced the opportunity to contribute to this effort. Hazel has provided dedicated service to the committee for the past nine years and continues to lead the way as an active supporter of fundraising activities and a strong advocate of efforts to raise awareness for the WFP mission. ■

Jim Mahony
Area Sales Manager

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WEF Lifetime Membership Award

After graduating from the University of North Dakota in Grand Forks in 1967 with a Bachelor of Science degree in Civil Engineering, Alan Clark went to work as an engineer for the State Highway Commission in Topeka, Kansas from 1967-1972, then returned to North Dakota to work for the city of Devils Lake as city engineer from 1972-1976. He worked with Ulteig Engineers in Fargo from 1977-2002.

Al Clark was a project construction manager with Ulteig Engineers coordinating a diverse array of engineering projects: Fargo wastewater plant, Fargo water plant, numerous water distributions, wastewater collection, storm water separation, sanitary sewer and street rehabilitation projects, including a landfill project. Alan will have a lasting legacy of "bricks and mortar" that were under his control.

Alan R. Clark (right) receives the WEF Lifetime Membership Award from WEF vice president Cordell Samuels.

Alan Clark was an active member of the North Dakota Water Environment Association (NDWEA) and the Water Environment Federation (WEF). He was the NDWEA WEF delegate from 1989-1992, served on the WEF Government Affairs Committee from 1990-1995 and was the NDWEA president in 1994. He was the recipient of the WEF Arthur Sidney Bedell award in 1997. WEF has recognized Al Clark for providing outstanding service to the NDWEA and wastewater industry and being a WEF member for 35 years. ■

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25TH ANNUAL EXPO - ND RURAL WATER SYSTEMS ASSOCIATION
February 1-3, 2011
Best Western Ramkota – Bismarck
Tentative Agenda

Tuesday, February 1, 2011
WATER DAY AT THE LEGISLATURE

1:30 pm	OPENING CEREMONY Official Opening – Gordon Blixt, President of NDRWSA Welcome to Bismarck – Bismarck Convention and Visitors Bureau Special Guest – Jasper Schneider, State Director, USDA Rural Development Keynote Address – Steve Fletcher, National Rural Water Association Motivational Speaker – LoAnn Wegh, President of LoAnn's Marketing
3:00 pm	Exhibit Hall Opens
5:00 pm	Legislative Reception and Exhibitor Appreciation in the Exhibit Hall Special Celebration Honoring the 25th Anniversary of the EXPO

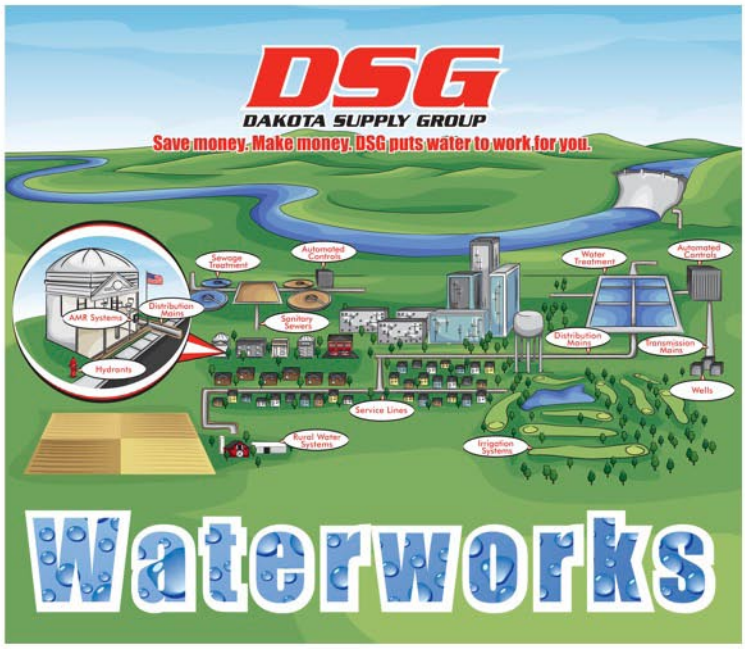
Wednesday, February 2, 2011

7:45 am	Breakfast in the Exhibit Hall
8:30 am	FOUR CONCURRENT SESSIONS **Board of Directors Track:** Roundtable Discussions **Managers Track:** Roundtable Discussions **Office Manager/Support Personnel Track:** Roundtable Discussions **Operation & Maintenance Track:** Exhibitor Demonstrations - Exhibit Hall
11:00 am	Operator Competitions –Teams of Operators will compete for Cash and Glory
11:30 am	Exhibit Hall Door Prize Drawings
12:00 pm	Exhibit Hall Closes
12:00 pm	Spouse Luncheon & Program – Diamond Cutting
12:00 pm	Deli Buffet Luncheon in the Exhibit Hall
1:00 pm	THREE CONCURRENT SESSIONS **Board Member/Manager Track:** 1926b Refresher and Meeting the Challenges for Designing and Financing Future Utilities **Operation & Maintenance Track:** Current O & M Topics **Office Manager/Support Personnel Track:** Healthcare Update, State Labor Laws and Utility Billing
6:00 pm	Social Hour and Silent Auction
7:00 pm	Awards Banquet **Awards Ceremony – Honoring the Best in the Business** **Diamond & 25th Anniversary Sponsor Recognition** **2011 Water Taste Contest Final Judging** **Scholarship "Live" Auction**

Thursday, February 3, 2011

7:45 am	Breakfast Buffet
8:30 am	THREE CONCURRENT SESSIONS **Board Member/Manager/Support Personnel Track:** Continuing Water System Success – Visioning, Implementation, Legacy and Marketing Utility Services **Operation & Maintenance Track:** Current O & M Topics **Safety Track:** Defensive Driving (Session starts at 7:45 a.m.)
11:45 pm	**CLOSING SESSION and GRAND PRIZE DRAWING**

Visit www.ndrw.org or call 701-258-9249 for additional information or to register.



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Registration information to come in January.
http://www.awwa.org/ypsummit
http://www.wef.org/Members/page_ma_detail.aspx?id=3207

Related Events

April 13, 2011	Optional YP Tour
April 15, 2011	AWWA YP Committee Meeting (all AWWA attendees are invited)
April 15–16, 2011	WEFMAX Meeting (all WEF attendees are invited)

Questions or comments, please contact:

WEF Staff: Dianne Crilley dcrilley@wef.org | 703.684.2445
AWWA Staff: Nancy Sullivan nsullivan@awwa.org | 303.347.6155
YP Summit Coordinator: Sam Harrison sharrison@ssr-inc.com

American Water Works Association

Water Environment Federation
the water quality people

NDAWWA Recognizes Student Acheivement at the NDWPCC

This spring a $1000 University Scholarship was awarded by the North Dakota Section of the American Water Works Association (NDAWWA) to Leslee Storlie, a civil engineering student at North Dakota State University (NDSU), who plans to pursue a career in the water industry. Leslie was recognized at the North Dakota Water and Pollution Control Conference banquet in October. The University Scholarship information is sent to all 4-year universities in North Dakota who have engineering, biology, or chemistry majors which includes the University of North Dakota, NDSU, Dickinson State University, Mayville State University, Minot State University, and Valley City State University. College sophomores or juniors in the above-mentioned fields of study are encouraged to apply for the scholarship in the spring of 2011.

Leslie Storlie (left), NDSU student, receives the $1000 University Scholarship from Meredith Quinn, Education and Research Committee chair, NDAWWA.

New this year, NDAWWA took part in the AWWA Fresh Ideas Poster Competition with a poster competition at the North Dakota Water and Pollution Control Conference. The top three place winners were recognized at the Wednesday evening banquet with the top prize going to Dan Portlock a masters student at North Dakota State University (NDSU). Dan will receive $1500 towards a trip to the AWWA Annual Conference and Exposition (ACE) in 2011 in Washington, D.C. to compete in the Fresh Ideas Competition at ACE. Second place was awarded to Qigang Chang a Ph.D. candidate at NDSU, and the third place winner was Murthy Kasi, a Ph.D. candidate at NDSU. ■

Left to right: Dan Portlock (NDSU), Qigang Chang (NDSU), Murthy Kasi (NDSU) and Meredith Quinn, Education and Research Committee chair, NDAWWA.

Exercise Roughrider, February 2011

Exercise Roughrider is an emergency management exercise that is being sponsored by the North Dakota Department of Emergency Services in February 2011. This will be a regional exercise hosted in the following cities: Minot February 8, Dickinson February 10, Jamestown February 15 and Devils Lake on February 17.

The purpose of Exercise Roughrider is two-fold. First, it is a functional exercise to demonstrate North Dakota's Emergency Radio Communications Interoperability. Second, it is a tabletop exercise that will provide participants an opportunity to evaluate current response concepts, plans, and capabilities during a catastrophic event that requires a regional response. The tabletop portion of the exercise will focus on local command and control coordination, critical decisions, notifications, and the integration of state and federal assets necessary to save lives and protect public health and safety. The role of public information strategies will be critical to the overall response effort.

The exercise guidelines state that this is an open, low-stress, no-fault environment. Varying viewpoints are expected. Responses are based on your knowledge of current plans and capabilities (i.e., you may use only existing assets) and insights derived from training. Issue identification is not as valuable as suggestions and recommended actions that could improve response and preparedness efforts. Problem-solving efforts will be the focus. This is an opportunity to discuss and present multiple options and possible solutions. Contact Greg Wavra, North Dakota Department of Health at 701-328-5224 or gwavra@nd.gov for more information. ■

Minutes of the Statewide ND Water/Wastewater Agency Response Network (ND WARN)

A statewide meeting of NDWARN was held October 5, 2010 at the North Dakota Department of Health located at 918 East Divide Avenue in Bismarck, N.D. The meeting was held in the basement video conference room. Video conferencing calls were made to sites located in the cities of Fargo, Dickinson and Grand Forks. Present in attendance at these sites were Statewide Committee Members: Vice Chair Joe LaFave, South Central Regional Water District; and Secretary Hazel Sletten, city of Grand Forks. State Chair Skip Rapp, city of Dickinson, was absent. Other committee members included: Mary Massad, Southwest Water Authority; Steve Ellefson, South Central Regional Water District; and Associate Members Andy McDonald, North Dakota Rural Water Systems Association; Andy Job, City of Grand Forks; and Greg Wavra and Bob Disney, North Dakota Department of Health. Visiting participants were Sean Fredricks, Legal Council Cass Rural Water District and Joshua Wolla, Rain For Rent.

The meeting was called to order at 1:30 p.m. by Joe LaFave, introductions were made and the agenda reviewed. Joe then read a letter of resignation from Skip Rapp. Skip thanked ND WARN for taking on the job of promoting statewide emergency preparedness and mutual aid for the water sector. He went on to state that he had retired from the city of Dickinson and felt that he was no longer in a position to continue as the ND WARN state chair. Skip also indicated that he would consider involvement with the group in another role.

Secretary's Report

Hazel Sletten presented a summary of the May 25, 2010 meeting. It was noted that the minutes from this meeting were published in the September, 2010 issue of the *Official Bulletin*.

Old Business

1. Website Development - the website is complete and can be viewed at ndwarn.org. Greg Wavra noted that all authorized member contact information has been entered with Member (System) Name, ID, Type of Membership and Authorized Contact with phone number(s). Greg has been working on the e-mail contact portion of the system to work out any glitches with communication before next spring. E-mails are sent from info@ndwarn.org, and members should check to make sure that they are not being blocked as junk mail by their own systems. Greg will have the ND WARN booth at the North Dakota Water and Pollution Control Conference in Fargo on October 13, 2010 and the 25th Annual Water Expo in Bismarck February 1-2, 2011. He will be available to assist water systems with any issues they are encountering. Once you have your login information (user name and password set up by Greg), please check to make sure that the information regarding your system is correct. If your system has resources available for use in an emergency, you can begin to populate the system resources window.

2. Mutual Aid Revisions - During the last ND WARN statewide meeting, discussion involved changes that might be necessary to the Mutual Aid Agreement because of possible conflicts with the North Dakota Century Code concerning the issue of indemnification. Two courses of action to address this issue were discussed. The first course of action was a language change to the ND WARN Mutual Aid Agreement referencing current state law. A work group was assigned the task of trying to draft the new language. This group met in August to work on the wording. The group took the amended agreement back to its own legal council. Following the legal opinions of the attorneys who reviewed these changes, it became apparent that clarification on this issue would be needed. The North Dakota Century Code has specific language allowing municipalities to indemnify, but it is silent on the issue regarding rural water systems. The North Dakota Attorney General had previously issued a Letter of Opinion stating that political subdivisions only have the authorities granted them in the North Dakota Century Code.

   Legislative action was the second course of action discussed. In September, Representative Dwight Wrangham met with ND WARN to discuss the possibility of changes to the North Dakota Century Code. These changes would allow all political subdivisions the ability to indemnify participating members of mutual aid agreements working in response to emergency services under Chapter 37-17.1 of the Century Code. This language has been drafted and is in the process of being reviewed.

3. NIMS/ICS Employee Training - Training for those who have not yet participated in this program is strongly encouraged. Joe LaFave noted that training for South Central Regional Water District was pursuing staff and board members. Mary Massad stated the employees from Southwest Water Authority were already trained. Greg Wavra noted the availability of online training for ICS 100/200 and NIMS 700/800 courses. Dickinson and Grand Forks both have local trainers for higher level NIMS courses available to them. ICS 300 and 400 level classes are

being held in Fargo and Minot this December. These are two-day courses sponsored by the North Dakota Department of Emergency Services. You are required to have completed the ICS 100/200 level classes first. Check their website http://www.nd.gov/des/events/.

4. Utility Development of Emergency Response Plans (ERPs)- It was noted that some of the smaller utilities still do not have plans developed and efforts need to continue to assist them with getting plans completed.

5. Table Top Exercise Planning provided by EPA - An After Action Report was prepared by EPA for the Red River/Fargo Table Top Exercise. An attached file containing the report has been sent with these minutes.

6. Water Security Congress - Greg Wavra attended this conference held in Washington D.C., September 27-29, 2010. Additional agencies with representatives at this conference were the EPA, the Federal Emergency Management Agency and the Emergency Management Assistance Compact (EMAC). Topics covered included: vehicles to support WARN; Recovery & Reimbursement Initiatives; Tools; Utiligent (Mass Communication System Specializing in Water, Gas & Electric); Preparing to Respond; EMAC & WARN; Making the Business Case and Discussion onFuture Needs.

New Business

1. Rain For Rent - Joshua Wolla gave a briefing on his company's capabilities as an emergency response resource for ND WARN. Greg Wavra will work with him to further develop this partnership.

2. Election of Officers - Nominations will be presented at the next meeting.

3. Next Meeting - the meeting will be called following response to legislative action sometime in November. This will allow preparation before the North Dakota Legislature convenes. An alternate meeting date during the North Dakota Water Users Conference the first week in December was also discussed if November fills up before a response is received.

Submitted by,
Hazel Sletten
Secretary

Annual Operator Training Program

The North Dakota Department of Health is pleased to announce the 51st Annual Professional Water and Wastewater Operator Training Program.

1. Objectives - These classes will fulfill the continuing education credit (CEC) requirement for certified operators. You will receive **12 CECs for each session** attended. Roll will be taken during the sessions to verify attendance. Expect to hear presentations regarding regulations and how to avoid mistakes that can lead to noncompliance for your facility, including general operation and maintenance topics. **The courses are not geared specifically to prepare operators for certification exams.**

2. Registration - Please preregister using the registration form on page 45, or complete your registration form online at http://www.ndhealth.gov/mf/. Mail or fax (701-328-6206) a printed copy along with your payment. You may attend both water and wastewater sessions. Please indicate a second choice when selecting class sessions. The classes will fill up quickly. **A $20.00 registration fee payable to the North Dakota Water and Pollution Control Conference (NDWPCC) is required.** This covers attendance at one or more sessions. A confirmation letter will be sent and must be presented at the time of registration. If you need to reschedule or cancel, please call Patty Carman at 701-328-6628.

3. Membership - A $10.00 membership fee for the NDWPCC is optional. Membership includes the *Official Bulletin* and may be added to the total payment.

4. Certification exams - A separate application form is required. An application form is printed on pages 46-47. Please fill out completely, or complete your application form online at http://www.ndhealth.gov/mf/. **Do not use previous applications.** Signed applications must be received by the certification officer **15 DAYS before the examination date.** Applications received after the deadline will be rejected. No "walk-in" exams will be allowed. Please make copies if more than one operator will be testing.

   A. *A photograph identification card is required to take exams.*
   B. A confirmation letter will be sent and must be presented at the time of testing.
   C. If you need to reschedule or cancel, please call Craig Bartholomay at 701-328-6626.
   D. Please bring your own calculator and pencils.
   E. Make your check for **$10.00 per exam payable to the North Dakota Department of Health**. Payment must be received prior to writing exams.
   F. Results of the exams will be sent out after all of the training sessions are completed and after payment has been received for the exam(s).

5. Location - All training sessions and certification exams will be held at the **Environmental Training Center, 2639 East Main, Bismarck.** Please park on the west or south side of the training center.

6. Chlorine Meter Training - (for applicable water operators) - This training is voluntary and will be offered prior to the water treatment and distribution sessions (see schedule). If you would like to participate, please provide your own chlorine meter. For more information, please call Mike Brisben at 701-328-6622.

7. pH certification - (for applicable wastewater operators) - This will be offered in conjunction with the wastewater treatment training sessions (see schedule). For more information on the wastewater pH certification or to see if you should attend, please call Randy Kowalski at 701 328 5239.

8. Sponsors -
   - ND Department of Health
   - ND Water and Pollution Control Conference
   - ND Chapter of the American Public Works Association
   - ND Section of the American Water Works Association
   - ND Water Environment Association

9. Special needs - If you need special accommodations or more information, please call Mike Brisben at 701-328-6622.

10. A block of rooms at the Ramkota Hotel (next to Kirkwood Plaza, 800 South 3rd Street, 701-258-7700) has been booked for the operator training sessions. If you elect to use the Ramkota Hotel, the rates are $69.00 (single) and $89.00 (double) plus tax.

11. Class Schedule:
    Water Treatment and Distribution - in Bismarck
    March 7, 8, and 9, 2011
    March 14, 15, and 16, 2011
    March 28, 29, and 30, 2011
    April 4, 5, and 6, 2011

Check in time for registration is 12:00 - 1:00 p.m. on March 7, 14, 28, and April 4.
Exams are scheduled from 1:00 - 5:00 p.m. on March 9, March 16, March 30, and April 6.

Chlorine Meter Training - (for applicable water operators)
March 7, 14, 28, and April 4 at 10:00 a.m.

Wastewater Treatment and Collection - in Bismarck
April 18, 19, and 20, 2011
April 25, 26, and 27, 2011

Check in time for registration is 12:00 - 1:00 p.m. on April 18, and April 25.
Exams are scheduled from 1:00 - 5:00 p.m. on April 20 and April 27.

pH Certification - (for applicable wastewater operators)
April 18 and 25, 2011 at 10:00 a.m.

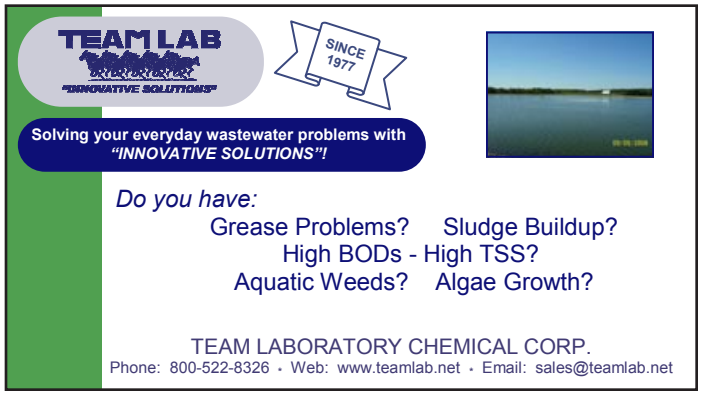
12. Topics in Water Treatment and Distribution may include:
SDWA Update, Operator Certification, Overview of Water Treatment Rules, BacT Update, Stage I & II Disinfectants/Disinfection By-products Rules, Filtration, Chlorine Meters and Measurements, Disinfection of Pipes and Reservoirs, Fire Hydrants, Groundwater Rule, Lead and Copper Rule, Math, Cross Connections, Pumps, System Security, Fluoridation, Wellhead/Source Water Protection, and others.

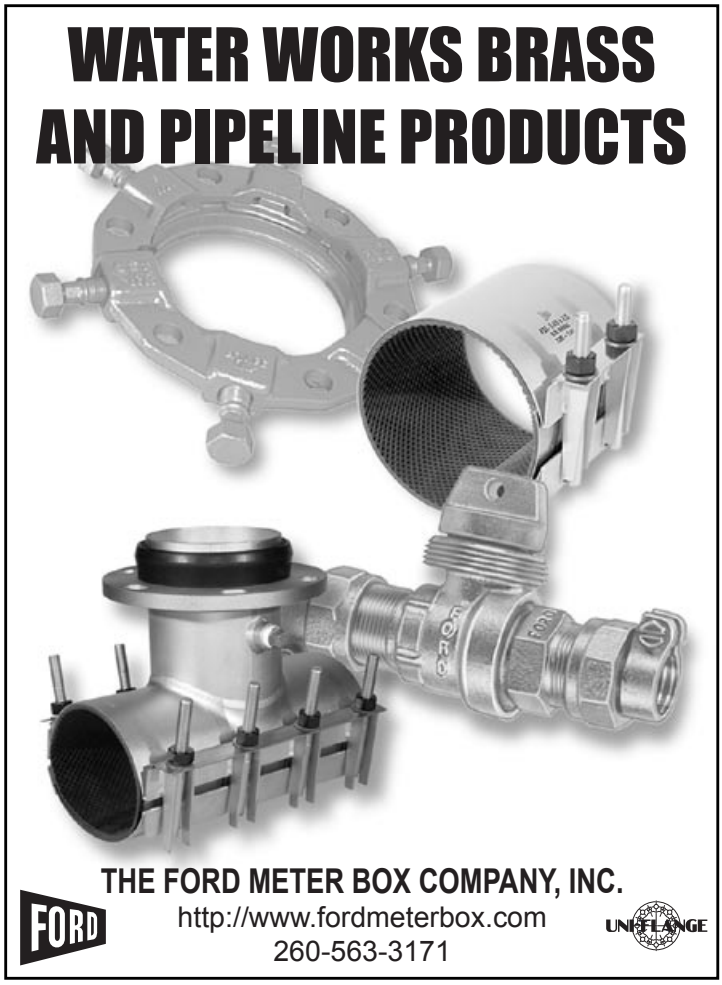
13. Topics in Wastewater Treatment and Collection may include:
Wastewater Basics, History of Wastewater Treatment, Troubleshooting, Physical Aspects of Lagoons, Wetland Systems, Microbiological Life in Ponds, Collection Systems, Operator Certification, Math, Discharge Permits, Lift Station Rehabilitation, Stormwater Update, Pond Construction, and others.

14. All operators working in public water treatment and/or distribution systems which serve a population of 3,300 or less are eligible for reimbursement. Please pick up the appropriate forms during the training sessions. After payment to the North Dakota Water and Pollution Control Conference and/or state is made, you may apply for reimbursement.

15. The 2011 Registration Form and Application for Operator Certification exams can be located by clicking on the "calendar" and "publications" links on the Division of Municipal Facilities website at http://www.ndhealth.gov/mf/.

16. Questions:
Regarding exams, call Craig Bartholomay at 701-328-6626.
Regarding training sessions, call Mike Brisben at 701-328-6622.
Regarding pH certification, call Randy Kowalski at 701-328-5239. ■





2011 Registration
51st Annual Professional Water and Wastewater Operator Training Program

Name _____
(Please Print Clearly)

Employer _____

Employer's Address _____

City, State, Zip Code _____

Home Address _____

City, State, Zip Code _____

Daytime Telephone Number _____

Email Address _____

Check below the sessions you wish to attend. PLEASE NOTE THAT CLASS ATTENDANCE IS LIMITED TO THE FIRST 60 REGISTRANTS. A confirmation letter must be presented at the time of check-in at the Environmental Training Center. Attendance will be required for the issuing of continuing education credits. Roll will be taken during the sessions to verify attendance.

Do not apply for certification exams on this form (a separate application form is enclosed).

Name of Session	Date of Session	1st Choice	2nd Choice
Water Treatment and Distribution	March 7, 8, 9	❒	❒
Water Treatment and Distribution	March 14, 15, 16	❒	❒
Water Treatment and Distribution	March 28, 29, 30	❒	❒
Water Treatment and Distribution	April 4, 5, 6	❒	❒
Wastewater Treatment and Collection	April 18, 19, 20	❒	❒
Wastewater Treatment and Collection	April 25, 26, 27	❒	❒

Manuals for sale (while supplies last):

CSU Small Water System Operation and Maintenance ($50.00) _____
CSU Water Treatment Plant Operation, Vol.1 ($50.00) _____
CSU Water Treatment Plant Operation, Vol.2 ($50.00) _____
CSU Water Distribution System Operation and Maintenance ($50.00) _____
EPA Stabilization Pond Manual ($12.00) _____
CSU Wastewater Collection System Operation and Maintenance, Vol.1 ($50.00) _____
CSU Wastewater Collection System Operation and Maintenance, Vol.2 ($50.00) _____
MAP Small Water System Standard Operating Procedure Manual ($23.00) _____
CSU Small Wastewater System Operation and Maintenance, Vol.1 ($50.00) _____
CSU Small Wastewater System Operation and Maintenance, Vol.2 ($50.00) _____

Membership in ND Water and Pollution Control Conference
(includes *Official Bulletin* - $10.00) _____

Subtotal _____

Registration Fee (covers attendance at one or more sessions) $ 20.00

Make check for **training program registration, membership, and manuals** payable to:

ND Water and Pollution Control Conference or NDWPCC
918 East Divide Avenue, 3rd Floor
Bismarck, ND 58501-1947

Total _____

APPLICATION FOR WATER AND/OR WASTEWATER OPERATOR CERTIFICATION

NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF MUNICIPAL FACILITIES
918 E Divide Ave., 3rd Floor, Bismarck, ND 58501-1947
SFN 16403 (1/07)

Directions

* Please type or print legibly.
* You may write a maximum of two examinations per session.
* Send your completed application to the department at least **15 days before the exam date**. Use the address listed above.
* **Make your check for $10.00 per exam payable to the Health Department.**
* **Payment must be received prior to examination.**
* Choose references who can confirm your operating ability (supervisor, foreman, city officials, etc.).
* Each statement and fact by the applicant must be true and correct.
* You may apply for certification in water treatment, water distribution, wastewater treatment, or wastewater collection on this form.
* Incomplete applications will be returned.

Name		Home Telephone Number ( )		
Home Address		City	State	Zip Code
Present Employer	Population Served	Business Telephone Number ( )		
Employer's Address	County	City	State	Zip Code
Your Position Title:		Status (Check One) ☐ Full Time ☐ Part Time ☐ Seasonal		
Circle the certification grade you are applying for:	Water Treatment Plant Operator	☐ 1A	☐ 1	☐ 2 ☐ 3 ☐ 4
	Water Distribution System Operator	☐ 1A	☐ 1	☐ 2 ☐ 3 ☐ 4
	Wastewater Treatment Plant Operator	☐ 1A	☐ 1	☐ 2 ☐ 3 ☐ 4
	Wastewater Collection System Operator	☐ 1A	☐ 1	☐ 2 ☐ 3 ☐ 4
Exam Date: Retest: ☐ Yes ☐ No	Location:	For Reciprocity Applications: State: Grade:		

Operator Work Experience: List the positions you have held in water treatment, water distribution, wastewater treatment, or wastewater collection. Start with your present position and work back. If necessary, use extra sheets to describe duties.

Dates Employed Mo./Yr. To Mo./Yr.		Name and Address of Employer	Specific Duties Performed

Continue on other side of this form.

Direct Responsible Charge (DRC) - Means full and active performance of onsite operation where the operator is:	
Are you an operator in DRC ? ☐ Yes ☐ No	☐ Responsible for technical support of the facility or system and provides direction to other operators.
	☐ Is on site or on call during shift operations.
	☐ Is responsible for the operation of a major segment of a facility or system.
	☐ Is the sole person employed as the facility or system operator.
Date Started DRC: _____	

Education	Name of High School		Year Graduated: or Highest Grade Completed:		
College or University	Dates Attended	Major	Minor	Degree Obtained	Year of Graduation

Circle the appropriate letter (C or P) to indicate current position "C" or previous position "P". If appropriate, list a number to identify your experience with various systems.
(For example __8__ # of wells __/ (✓))

WATER TREATMENT		**WASTEWATER TREATMENT**	
Chlorination __' __' Sequestering __' __' Chemical Softening and Filtration __' __ Iron and Manganese Removal __' __' Coagulation, Sedimentation, Filtration __' __'	Fluoridation __' __' Corrosion Control __' __' Reverse Osmosis __' __' Other: _____	Stabilization Ponds __' __ Oxidation Ditches __' __ Trickling Filter __' __' Sludge Stabilization __' __'	Aerated Ponds __ /__ Activated Sludge __/ __ Rotating Biological Contactor __' __' Other: _____
WATER DISTRIBUTION		**WASTEWATER COLLECTION**	
_____ Average Daily Volume (GPD) __' /__ _____ # of Service Connections __' /__ _____ # of Pumping Stations __' /__ _____ # of Storage Facilities __' /__ Types: _____ Water Supply _____ # of Wells __' /__ _____ # of Springs __ /__ _____ Name Surface Water _____ Name Rural Water		_____ Average Daily Volume (GPD) __' /__ _____ # of Service Connections __' /__ _____ # of Industrial Connections __' /__ _____ # of Storm Water Connections __' __ Lift Stations _____ # of Submersible Type __' /__ _____ # of Wet Well/Dry Well __' /__ _____ # of Air (Pneumatic) __' __ _____ # of Package Type __' /__	

Name, Address, Phone Number of Reference	Name, Address, Phone Number of Reference	Name, Address, Phone Number of Reference

The information I have provided above is correct and to the best of my knowledge.

_____ Signature of Applicant / Date Signed

_____ Signature of Supervisor / Date Signed

2010 Conference Attendance List

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Dave Kresel
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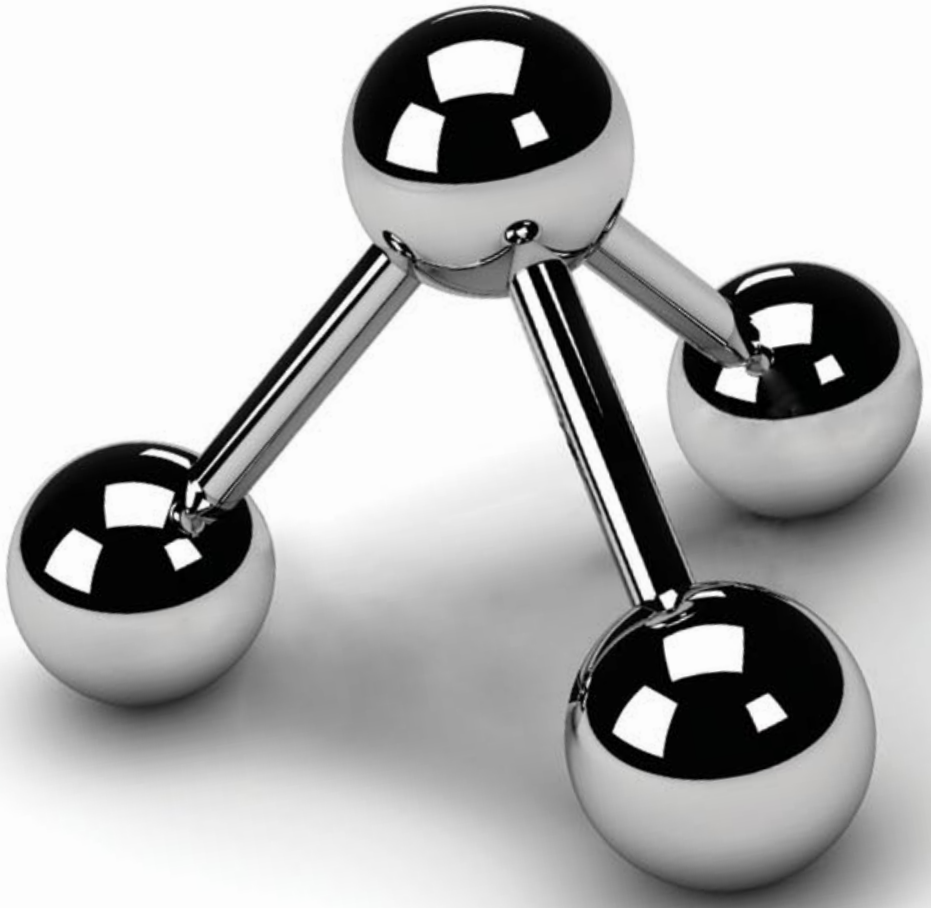

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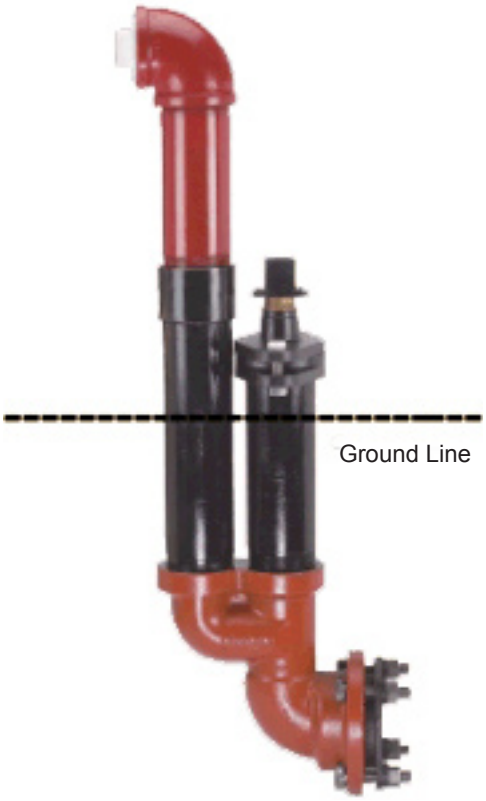

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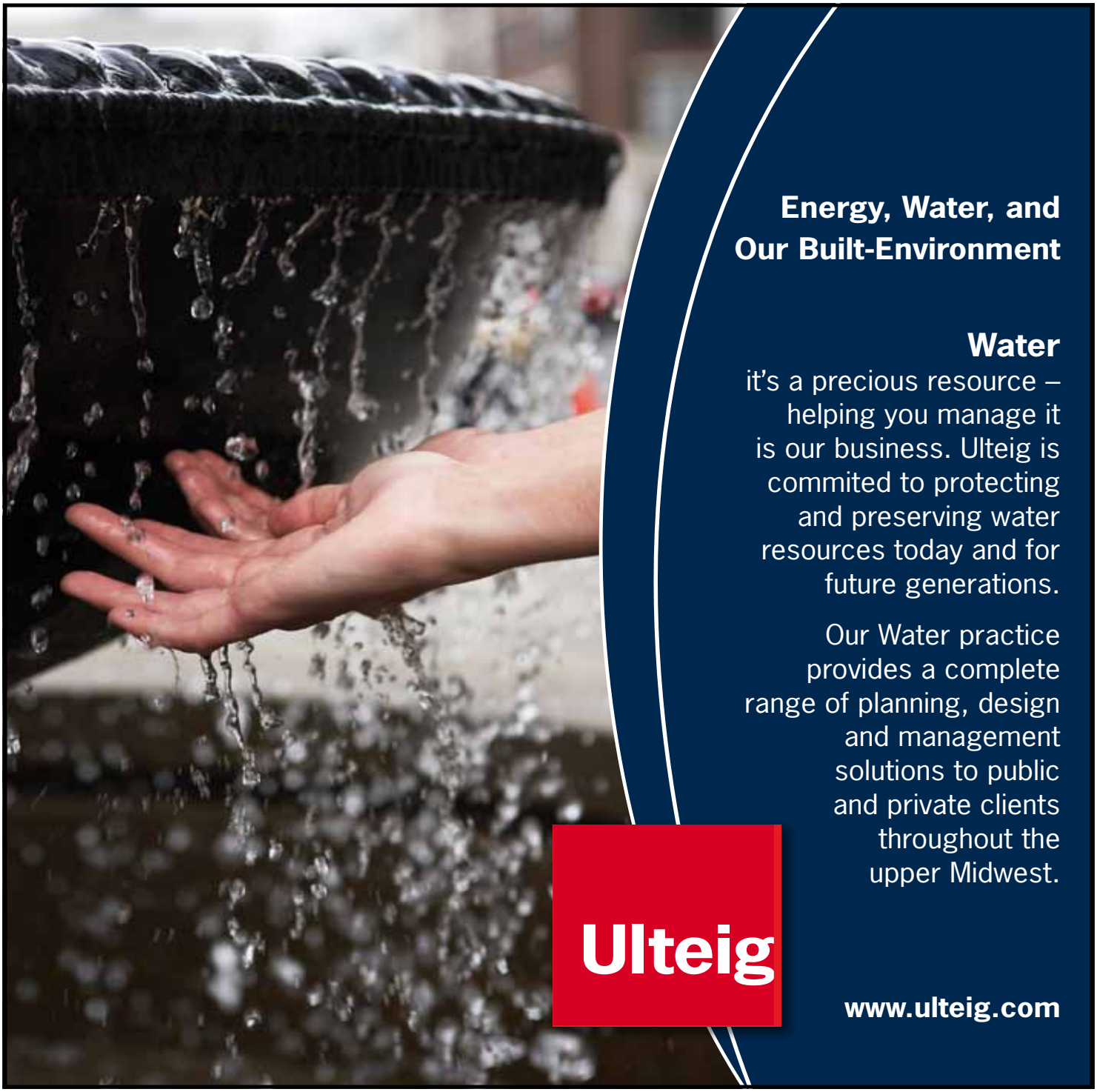
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