OFFICIAL BULLETIN

October-December 2011
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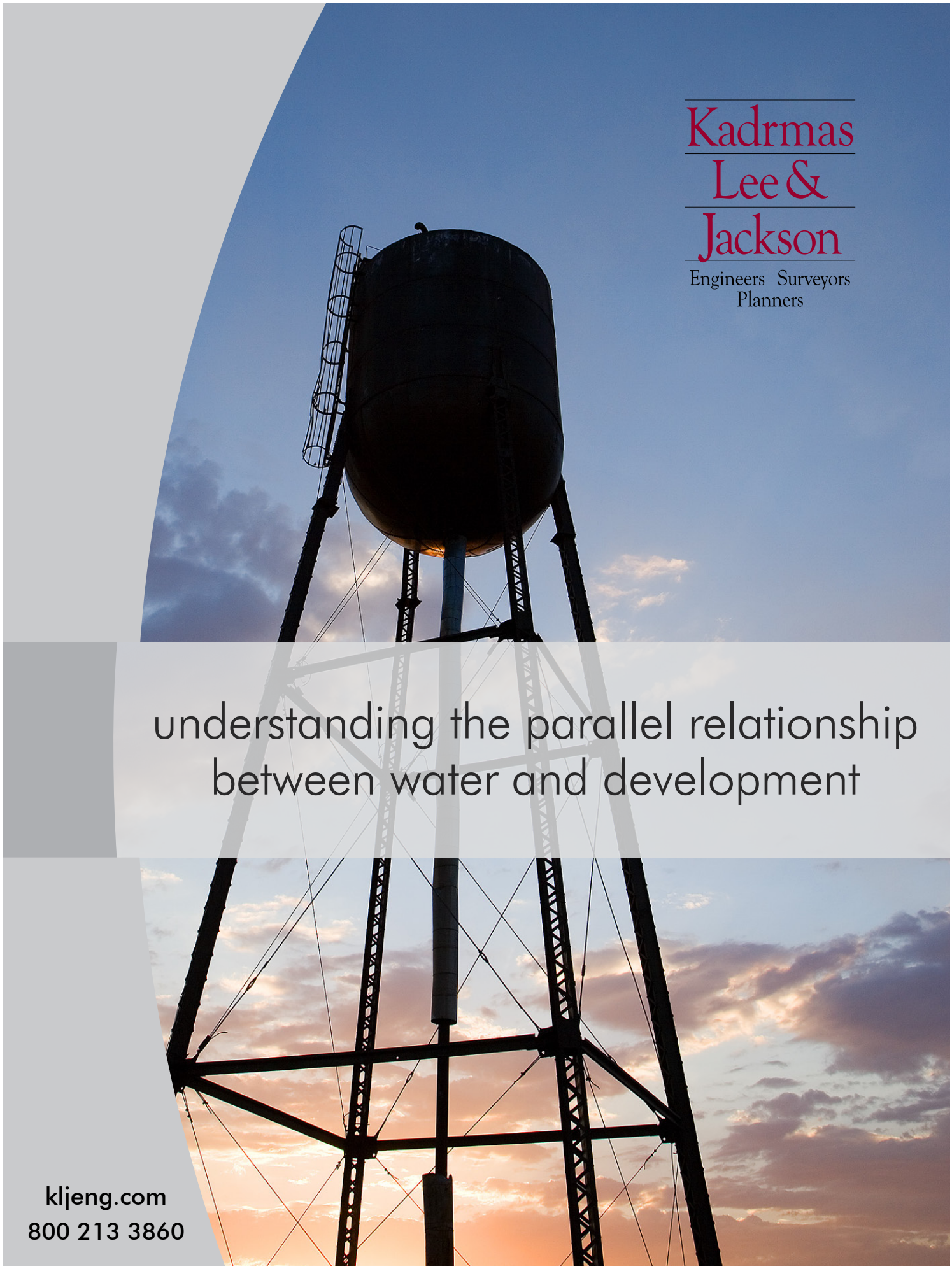
Winter Issue

North Dakota Water and Pollution Control Conference

NDWPCC



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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.

OFFICIAL BULLETIN

Official Publication of the
North Dakota Water and Pollution Control Conference

Winter Issue **Established 1935**

VOL. 97 October 2011-December 2011 NOS. 10-12

PRESIDENT - Karla Olson
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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.

CONFERENCE BUSINESS PHONE: 701-328-6622

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

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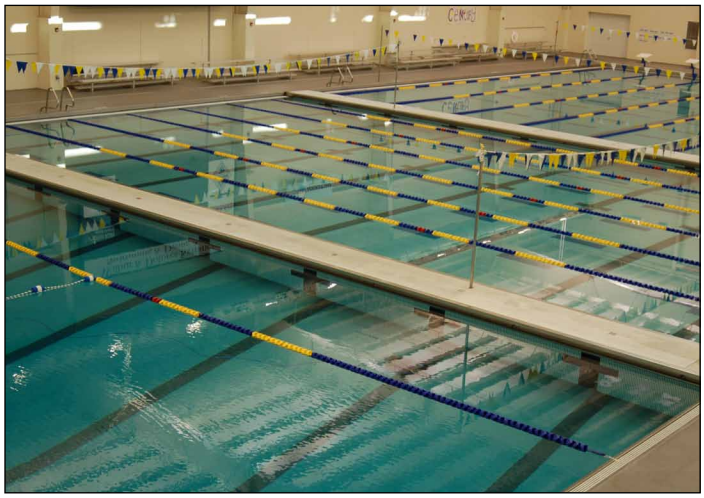
To access past issues of the *Official Bulletin* on the web, go to: http://www.ndhealth.gov/MF/, and click on "publications."

On the cover: Photos of the 83rd annual North Dakota Water and Pollution Control Conference held in Bismarck in October 11-13, 2011 were taken by Bill Gefroh, city of Bismarck, Andrew Hager and Katie Luther, North Dakota Department of Health.



The background photo on the cover is of the pool at the Bismarck State College Aquatic and Wellness Center. Photo by Andrew Hager.

Minutes of the 83rd Annual Meeting of the North Dakota Water and Pollution Control Conference

The 83rd Annual Meeting of the North Dakota Water and Pollution Control Conference (NDWPCC) was held October 11, 12 and 13, 2011 at the Ramkota Hotel, Bismarck, 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 10, 2011, in the Governor's Room of the Ramkota Hotel.

Board meetings were held Tuesday, October 11, 2011 by NDAWWA at 7:30 a.m. in the Governor's Room, NDCAPWA at 8:00 a.m. in the Seasons Café I, and NDWEA at 8:00 a.m. in the Seasons Café II. Additional NDAWWA committee meetings were held at 10:30 a.m. in the Governor's 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

Photo by Bill Gefroh.

meetings were held Tuesday, October 11, (NDAWWA); Wednesday, October 12, (NDWEA); and Thursday, October 13, (NDCAPWA and NDWPCC).

North Dakota Department of Health (NDDH) operator certification exams were written Tuesday, October 11, 2011, from 7:30-11:30 a.m. in Room 2160, with 20 operators taking 25 exams. Registration opened at 8:00 a.m. on Tuesday, October 11, with Patty Carman and Darlene Germain welcoming all attendees. A total of 377 pre-registered, with final attendance reaching 371.

The joint board of directors of the NDWPCC, NDWEA, NDCAPWA, and NDAWWA met at 9:30 a.m. Tuesday, October 11, in the Governor's Room with NDWPCC President Chuck Abel presiding. President Abel called the meeting to order at 9:37 a.m. The following board members and guests were in attendance: Chuck Abel, Lisa Ansley, Mike Brisben, David Bruschwein, Jim Chaffee, Qigang Chang, Dustin Dale, Eric Dodds, Bill Gefroh, Rick Gillund, Nancy Huether, Dan Jonasson, Wei Lin, Seth Lynne, Lance Meyer, Karla Olson, Tim Paustian, Meredith Quinn, Darin Schaeffer, Dean Sletten, Jacob Strombeck, Nancy Sullivan, Larry Thelen, Don Tucker, Eric Volk, Jess Wagner, Tanush Wadhawan, and Chad Zander.

President Abel entertained a motion to dispense with reading of the minutes from the May 17, 2011 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*. Rick Gillund so moved. Dan Jonasson seconded, and the motion carried.

Next, President Abel called for the financial report. Mike Brisben presented the January 1, 2011-September 30, 2011 NDWPCC treasurer's report, which showed a net income of $31,061.93 and total assets of $106,202.72. Dean Sletten moved to accept the treasurer's report as presented. Bill Gefroh seconded, and the motion carried.

Moving to old business, President Abel called for a report on the 2011 student/young professionals (YP) reception. Eric Dodds reported that 12 students from NDSU and several from UND would be in attendance. Mr. Dodds noted that the reception would be at Famous Dave's starting at 7:00 p.m. President Abel next called for a report on the AWWA YP poster competition. Meredith Quinn indicated that ten posters were entered, seven from NDSU and three from UND. Ms. Quinn noted that a panel of judges had been selected and the competition would be from 8:00 a.m.-11:00 a.m. Wednesday, October 12, in the registration area.

Photo by Bill Gefroh.

Photo by Bill Gefroh.

President Abel called for any other old business. Hearing none, President Abel called for volunteers for the NDWPCC officer nominating committee. Mr. Brisben noted that one incoming director and the associate director positions were needed. Lisa Ansley, Rick Gillund, and Dean Sletten volunteered. Next, President Abel asked for volunteers for the auditing committee. Bill Gefroh and Meredith Quinn agreed to serve on the committee. Mr. Brisben noted that the NDWPCC audit could be completed at the Ramkota Hotel during the conference or at the Environmental Training Center at a later date. Ms. Ansley recommended the audit be completed at the Environmental Training Center prior to the January 2012 joint board meeting in Mandan.

Continuing with new business, President Abel asked board members to consider nominations for life membership to be voted on at the Thursday NDWPCC business luncheon. Next, Mr. Brisben reviewed activities for the 83rd annual meeting, which included the golf tournament, the student/YP reception, three concurrent sessions, tours, team trivia, breakfast poker, the awards banquet, and exhibitor program. Larry Thelen added the AWWA Water Taste Test Wednesday morning during the exhibitor program to the list of activities. Continuing with new business, President Abel called for topics and presenters for the spring operator training sessions and 2012 fall conference. Ms. Ansley and Eric Volk asked if dates for the January 2012 board meeting and spring training had been set. Mr. Brisben noted that a January date had not been set and that six operator training sessions would be held in March and April. Mr. Dodds offered WEF's training in a box as an option for wastewater topics during spring training.

President Abel called for any other new business. Hearing none, President Abel called for a motion to adjourn. Seth Lynne so moved. Dan Jonasson seconded, and the motion carried. The meeting adjourned at 9:59 a.m.

Water samples for the 20th annual water taste test, sponsored by NDAWWA, were accepted throughout the day Tuesday and on Wednesday morning.

The Tuesday luncheon and NDAWWA business meeting were held in the Courtyard with NDAWWA Chair Dean Sletten presiding. NDWPCC President Chuck Abel welcomed all attendees on behalf of the joint board of directors, and Bismarck Mayor John Warford welcomed all on behalf of the city. Guest speaker Jim Chaffee, vice president, AWWA, provided an update on national AWWA activities.

The annual golf tournament teed off at 1:00 p.m. at the Hawktree Golf Course with Sarah Volk handling local arrangements.

The Tuesday afternoon concurrent sessions opened at 1:30 p.m., with NDAWWA trustee Eric Volk, NDWEA Past President Eric Dodds, and NDCAPWA Vice-President Dan Jonasson moderating. The three concurrent sessions were held in the Heart, Sheyenne, and Cannonball Rooms of the Missouri Ballroom.

Tuesday's topics included:
Infrastructure Update: City of Bismarck - Mel Bullinger, city engineer; Keith Demke, director of utility operations; and Jeff Heintz, director of public works, city of Bismarck.
Effect of Operational and Cleaning Practices on Membrane Fouling - Steven Ahlschlager, senior project manager, Moore Engineering.
The Latest Advancements in Analytical Instrumentation for the Lab - Eric Lehmann, regional sales manager, Hach Company.
Wastewater Lab Fundamentals - Delvin DeBoer, professor of environmental engineering, South Dakota State University.
Much-Needed Oil Field Wastewater Infrastructure - Jason Benson, project manager, AE_2S and Jessica Wagner, project engineer, AE_2S.
Washington Street Pump Station Improvements - Mike Berg, vice president, Apex Engineering Group.
Auto Thermal, Aerobic Waste-Activated Sludge Digestion - Matthew Erickson, Brian Kistner, and Tyler Myers; UND

Photo by Bill Gefroh

AWWA/WEF Student Chapter; WEFTEC Design Project.
Water and Environmental Issues Due to Oil Production in North Dakota - Jason Baker, Leslee Storlee, Tanush Wadhawan, and Kevin Young; NDSU AWWA/WEF Student Chapter; WEFTEC Design Project.
Mandan Remediation Project Update - Tim Kenyon, vice president, Leggette, Brashears, & Graham, Inc.; and Jim Neubauer, city administrator, city of Mandan.
The Mouse Keeps Roaring - Alan Walter, director of public works, city of Minot.
Traffic Signal Operations - Jason Baker, owner, Baker Consulting.
Micro/Slurry Surface Treatments - Trevor Christianson, project manager, Mayo Construction Company, Inc.

The 3:00 p.m. break was held in the Courtyard with all breaks sponsored by the business firms, vendors, and commercial suppliers listed in the program and on the sponsors poster located next to the registration table.

The Tuesday night buffet was attended by 174 NDWPCC members and guests. A large group also attended the student/young professionals reception at Famous Dave's.

Early setup for the 23rd annual exhibitor program ran from 3:30 p.m. to 10:30 p.m. on Tuesday in the Dakota Ballroom. Late setup was from 7:00 a.m. - 7:30 a.m. Wednesday, October 12 and display hours were from 7:30 a.m. to 11:30 a.m. with 64 firms/suppliers reserving 71 booths. A student/young professional poster competition was held in conjunction with the exhibitor program, with the top poster presenter winning a trip to the AWWA Conference and Exposition (ACE) 2012 in Dallas, Texas. A buffet breakfast sponsored by the exhibitors was held along with a breakfast buffet poker game in the Dakota Ballroom. The poker hands were turned in at the NDWEA booth, and winners were announced at the NDWEA business luncheon. Poker dealers included: Advanced

Photo by Bill Gefroh.

Photo by Bill Gefroh.

Engineering and Environmental Services (AE_2S); Apex Engineering Group; Griffin Pipe Products; Mishler Sales; MVTL Laboratories; North Dakota Rural Water Systems Association (NDRWSA); Sanitation Products; Short-Elliott-Hendrickson (SEH); and Tech Sales. The following business firms, suppliers, and associates participated in the exhibitor program: NDAWWA; NDWEA; NDCAPWA; Griffin Pipe Products; AE_2S; Quality Flow Systems; Van Bergen & Markson; Ferguson Waterworks; Tonka Equipment Company; Tech Sales; Moore Engineering; Kadrmas, Lee & Jackson; Team Lab; Schwab Vollhaber Lubratt; Dakota Pump & Control; S. Roberts Company; Bartlett & West; Houston Engineering; Thein Well Company; Electric Pump; Advanced Drainage Systems; Vessco, Inc.; Visu-Sewer; NDRWSA; Hach Company; Construction Specialties; Fischer, Harris & Associates; Flexible Pipe Tool Co.; Treatment Resources; Infilco Degremont; Fargo Water Equipment; Solar Bee; Wells Concrete; Apex Engineering Group; Larson Data Communication; MVTL Laboratories; ReCon Wall Systems; General Repair Service; Red Zone Robotics; Double-Tree Inc.; Compass Tools Inc.; Cretex; Hawkins, Inc.; Interstate Engineering; Red Flint Sand & Gravel; Itron; Dakota Supply Group; American Flow Control; The Ford Meter Box Company; Bonestroo, (now Stantec); KLM Engineering; TKDA; Widseth Smith Nolting; SEH; Engineered Sales, Co; Ulteig Engineering; Sanitation Products, Inc.; Ellingson Companies; Mishler Sales; Pristine Water Solutions; Midland Scientific, Inc.; Parsons Engineered Products; and PS Doors.

The North Dakota Operator Certification Advisory Committee met Wednesday, October 12, 2011, at 9:00 a.m. in Room 2160. The committee meets annually at the conference and along with the North Dakota Department of Health provides support for the North Dakota Water and Wastewater Operator Certification and Training Programs.

Photo by Andrew Hager.

Eighty-four attendees signed up for tours. Buses were provided to the Mandan Water Treatment Plant, South Central Rural Water District North Burleigh Facility, and BSC Aquatic and Wellness Center. Transportation to the Bismarck Water and Wastewater Facilities and Mandan Wastewater Treatment Facility was on-your-own.

The NDWEA luncheon and business meeting were held Wednesday at 12:00 noon in the Courtyard with NDWEA President Karla Olson presiding. During the business meeting guest speaker Sandra Ralston, Board of Trustees, WEF, gave a brief presentation on behalf of WEF.

The Wednesday concurrent sessions convened at 1:30 p.m., with NDAWWA Secretary/Treasurer David Bruschwein, NDWPCC Director Seth Lynne, and NDCAPWA Director Terry Boehm moderating. The concurrent sessions were held in the Missouri Ballroom.

Wednesday's topics included:
Water Meters - Tim Stetz, Fargo Water Equipment.
Pipe Bursting, Capabilities - Matt Lawrence, project management/sales, Ellingson Companies.
Water Storage Tank Mixing Study - Delvin DeBoer, professor of environmental engineering, SDSU.
Dickinson's New Mechanical Wastewater Treatment Facility - Karla Olson, associate/project manager, Apex Engineering Group.
Industrial Pretreatment: EPA Region 8 Hot Topics Panel Discussion - Bill Gefroh, city of Bismarck; Jeff Roerick, NDDH; William Sukalski, city of Grand Forks; and Terry Rust, city of West Fargo.
Nutrient Removal/Criteria Development Panel Discussion - Seth Lynne, Apex Engineering Group; Wei Lin, NDSU; Mike Ell, NDDH; Gary Bracht, NDDH; and Scott Schaeffer, AE_2S.
Establishing Equitable, Defendable Utility Rates - Miranda Kleven, special project engineer, AE_2S.
Concrete Overlays for City Streets and Engineering Workability for Concrete Products - David Sethre, executive director, North Dakota Chapter, Inc. ACPA.
Segmental Retaining Walls - Stan Hamilton, president, Recon Wall Systems, Inc.

Attendees met at 3:00 p.m. in the Courtyard for an afternoon break.

A social hour was held in the courtyard prior to the annual awards banquet. The following companies graciously sponsored the social hour, door prizes, coffee breaks, and golf tournament: AE_2S; Apex Engineering Group; Bartlett & West; Bonestroo, now Stantec; Dakota Supply Group; Electric Pump; Fargo Water Equipment; Flexible Pipe Tool, Co.; Hawkins, Inc.; Houston Engineering; Interstate Engineering; Kadrmas, Lee & Jackson; Killoran Trucking & Brokerage, Inc.; Moore Engineering; Mishler Sales; MVTL Laboratories; Olson Engineering, Inc.; Parsons Engineered Products; SEH; Team Lab Chemical Corp.; Thein Well Co.; Treatment Resources, Inc.; Van Bergen & Markson; Vessco, Inc.; Visu-Sewer, Inc.; and Widseth Smith Nolting.

Photo by Andrew Hager.

The annual banquet and awards ceremony was held in the Dakota Ballroom with 245 members and guests in attendance. Terry Rust gave the invocation and Master of Ceremonies Bill Sorenson introduced the officers and dignitaries at the head table and provided the entertainment following the banquet and awards ceremony.

Jim Chaffee, AWWA vice president, presented the George Warren Fuller Award to Meredith Quinn, project engineer, AE_2S; the Kenneth J. Miller Founders' Award (WFP) to Larry Thelen, drinking water administrator, NDDH; and the Operator Meritorious Award to Darrell Bullhead Sr., water treatment supervisor, Standing Rock Sioux Tribe. Meredith Quinn, NDAWWA education and research chair, announced the winner of the Water Taste Test Contest with the city of Fargo winning in 2011. Charlie Vein, president, AE_2S, drew the winners of the 10th annual Water for People raffle with Gary Metzler, Van Bergen & Markson, Inc., winning this year's grand prize. Mr. Vein also announced that the raffle, sponsor donations, and golf mulligans raised $4,600.

Sandra Ralston, WEF Board of Trustees, presented the WEF Hatfield Award to Robert French, operations foreman, city of Bismarck.

Mike Brisben, NDDH, presented Operator of the Year Awards to Kent Bickler, assistant manager, R&T Water Supply Association; Mike Houska, wastewater/street superintendent, city of Grafton; Rick Larson, public works director/water plant superintendent, city of Rugby; and Bill McQuiston, wastewater treatment plant superintendent, city of Williston.

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

The annual public works directors and city engineers meeting was held Thursday, October 13, 2011, at 7:30 a.m. in Room 2160.

The three Thursday morning concurrent sessions started at 8:00 a.m. in the Grand Pacific, Patterson, and Lamborn Rooms of the Dakota Ballroom, with NDAWWA E&R Committee Chair Meredith Quinn, NDAWWA trustee Nancy Huether, NDWEA President Karla Olson, and NDWPCC Associate Director Kevin Martin moderating.

Thursday's topics included:
Succession Planning Panel Discussion - Meredith Quinn, NDAWWA; Keith Hunke, city of Bismarck; Todd Feland, city of Grand Forks; and Loren Hoffman, former auditor, city of Parshall.
Transformation from Lime Softening to Ultrafiltration and Nanofiltration Treatment - Wade Hesch, water plant superintendent, city of Valley City.
Effluent Reuse in North Dakota - Tim Paustian, associate/project manager, Apex Engineering Group.
Geophysical Methods for Ground Water Investigations - John Jansen, senior hydrologist, Cardno ENTRIX.
Impact of Frack Water on Drinking Water Systems - Dean Stockert, drinking water manager, AE_2S; and Larry Thelen, drinking water administrator, NDDH.
Wastewater Treatment/Collection Panel Discussion - Karla Olson, Apex Engineering; Don Tucker, city of Grand Forks; Terry Rust, city of West Fargo; and Wayne Offerdahl, city of Fargo.
China's Three Gorges Dam and its Impact on Water Environment - Wei Lin, associate professor, NDSU.
Roadmap for the city of Mandan: A Comprehensive Sanitary Sewer Master Plan - Russ Sorenson, operations manager, AE_2S; and Jason Benson, project manager, AE_2S.
A-Z Wastewater Treatment Start-up Guide - John Fisher, wastewater operations leader, SEH.
MBBR & IFAS Technologies: An Introduction - Seth Lynne, project manager, Apex Engineering Group.
The Old and New: Linking Wastewater Records to Geographic Information Systems (GIS) for Easy Access - Blake Flanagan, GIS project manager, Bartlett & West.
Infrastructure Contingency Planning for the 2011 Fargo Flood - Tom Welle, principal, Apex Engineering Group.
Emergency Dike Construction, 48th Avenue and Fox Island, Bismarck - Sherwin Wanner, project manager/project engineer, Houston Engineering.
Asset Management - Meredith Quinn, project engineer, AE_2S.

Photo by Andrew Hager

Photo by Andrew Hager.

A break was held in the Courtyard at 10:00 a.m.

The joint business meetings and luncheon of the NDCAPWA and NDWPCC were held at 12:00 noon with NDCAPWA Vice President Dan Jonasson and NDWPCC President Chuck Abel presiding. Vice President Jonasson opened the NDCAPWA business meeting at 12:22 p.m. NDCAPWA 2011 Project of the Year awards were announced with Valley City and Fargo tied for the large community award and the city of Drayton receiving the award for small communities.

President Abel called for the NDWPCC business meeting to order at 12:31 p.m. As the first order of business, President Abel entertained a motion to dispense with the reading of the minutes from the 2010 annual meeting

Ken Evenson (left), Valley City commissioner, receives an NDCAPWA award from Erik Gilbertson, KLJ. The Valley City emergency sanitary sewer replacement required expedited design and construction due to flooding issues within the city. Photo by Andrew Hager.

Jason Benson (left) and Russ Sorenson, AE$_2$S, accept NDCAPWA awards for the cities of Fargo and Drayton, respectively. The Drayton wastewater pond required relocation because river channel erosion threatened to overtake the wastewater ponds. Photo by Andrew Hager.

held in Fargo and approve the minutes as published in the *Official Bulletin*, October - December 2010, Volume 96, Numbers 10-12. Lisa Ansley so moved. Paul Levchak seconded, and the motion carried.

Next, Mr. Brisben presented the 2011 treasurer's report showing a net gain of $31,061.93 and total assets of $106,202.72. Tom Welle moved to accept the treasurer's report as presented. Meredith Quinn seconded, and the motion carried.

President Abel 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. Paul Levchak so moved. Seth Lynne seconded, and the motion carried.

Next, President Abel called for nominations for life membership. Hearing none, President Abel called for a report from the nominee committee. Rick Gillund recommend Joe Ferguson for incoming director and Tracy Eslinger for associate director.

President Abel read the following slate of officers for 2011-2012:
President: Karla Olson
President-elect: Bill Gefroh
Vice-President: Gary Bracht
Holdover Directors: Dean Sletten, Dan Jonasson, and Seth Lynne
Incoming Director: Joe Ferguson
Associate Director: Tracy Eslinger
Secretary-Treasurer: Mike Brisben

President Abel called for a motion to close the nominations and instruct the Secretary-Treasurer to cast a unanimous ballot. Rick Gillund so moved. Paul Levchak seconded, and the motion carried.

Outgoing President Abel welcomed incoming President Karla Olson. President Olson presented Mr. Abel the NDWPCC President's Service Award and thanked Mr. Abel for his hard work and dedication.

President Olson called for a motion to adjourn. Wayne Offerdahl so moved. John Fisher seconded, and the 83rd annual meeting of the NDWPCC adjourned at 12:41 p.m., Thursday, October 13, 2011.

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

Respectfully submitted,
Mike Brisben
Secretary-Treasurer

Photo by Andrew Hager

RESOLUTION

WHEREAS, the city of Bismarck through their officials and Local Arrangements Committee has gone to considerable work and effort in making this joint meeting with The North Dakota Chapter of the American Public Works Association, the North Dakota Water Environment Association, and the North Dakota Section of the American Water Works Association not only a successful one, but an enjoyable one, especially through the spirit of welcome and friendliness shown, the splendid hospitality, banquet, and other arrangements:

NOW THEREFORE, BE IT RESOLVED that the 83rd Annual Conference of the North Dakota Water and Pollution Control Conference, the 52nd Annual Conference of the North Dakota Water Environment Association, the 56th Annual Conference of the North Dakota Chapter of the American Public Works Association, and the 21st Annual Conference of the North Dakota Section of the American Water Works Association, here assembled, do express their heartfelt thanks and appreciation to the following individuals who have contributed toward making the joint meeting a success:

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

Dated at Bismarck, North Dakota, this 13th day of October 2011.

Secretary/Treasurer

RESOLUTION

WHEREAS, the North Dakota Water and Pollution Control Conference in its annual business meeting recognizes that the Water and Wastewater Operators Training Sessions sponsored jointly by the Conference, the North Dakota Water Environment Association, the North Dakota Chapter of the American Public Works Association, the North Dakota Section of the American Water Works Association, and the North Dakota Department of Health were very successful and were of benefit to those attending and that the sponsoring organizations are desirous of continuing these training sessions;

NOW, THEREFORE, BE IT RESOLVED that the 83rd Annual Conference of the North Dakota Water and Pollution Control Conference, the 52st Annual Conference of the North Dakota Water Environment Association, the 56th Annual Conference of the North Dakota Chapter of the American Public Works Association, and the 21st Annual Conference of the North Dakota Section of American Water Works Association, here assembled, do express their thanks and appreciation to the North Dakota Department of Health and the staff of its Municipal Facilities and Water Quality Divisions, who have contributed toward making these training sessions a success.

Dated at Bismarck, North Dakota, this 13th day of October 2011.

Secretary/Treasurer

RESOLUTION

WHEREAS, considerable time has been expended and expense incurred by Kevin Martin of Houston Engineering 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 83rd Annual Conference of the North Dakota Water and Pollution Control Conference, the 52nd Annual Conference of the North Dakota Water Environment Association, the 56th Annual Conference of the North Dakota Chapter of the American Public Works Association, and the 21st Annual Conference of the North Dakota Section of the American Water Works Association, here assembled, do express their heart-felt thanks and appreciation to Kevin and that the Secretary be instructed to forward to him a copy of this resolution.

Dated at Bismarck, North Dakota, this 13th day of October 2011.

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 83rd Annual Conference of the North Dakota Water and Pollution Control Conference, the 52nd Annual Conference of the North Dakota Water Environment Association, the 56th Annual Conference of the North Dakota Chapter of the American Public Works Association, and the 21st 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 Bismarck, North Dakota, this 13th day of October 2011.

Secretary/Treasurer

Operators Receive Awards

In an effort to encourage proper operation and maintenance of water and wastewater systems, the North Dakota Department of Health instituted an annual operator awards program in 1981 at the Annual North Dakota Water and Pollution Control Conference in Jamestown. This year marks the 31st anniversary of the awards program which has honored 172 operators and three military units (the U.S. Army Reserve, the N.D. Army National Guard, and the N.D .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 2011 Operator of the Year Awards are:

Kent Bickler - R&T Water Supply Association
Kent worked nine years as water superintendent for the city of Tioga before becoming assistant manager for R&T. He is a certified Grade III Water Treatment, Grade II Water Distribution, Grade I Wastewater Treatment, and Grade II Wastewater Collection Operator. Kent is a member of the Tioga Fire Department and an active member of the NDWPCC.

Mike Houska - City of Grafton
Mike began his career with the city in October 1973, leaving after five years. He returned in 1981, became street department superintendent in 1986, and added the duties of wastewater superintendent in August 2003. Mike is a certified Grade II Wastewater Treatment Operator and Grade II Wastewater Collection Operator. Mike is also an NDWPCC member.

Operators receiving awards from Mike Brisben (right) (NDDH). Clockwise from the upper left: Kent Bickler, R&T Water Supply Association; Rick Larson, city of Rugby; Bill McQuiston, city of Williston.

Pictured left: Mike Houska, city of Grafton.

Rick Larson - City of Rugby
Rick started in the Sewer and Street Department in June 1983. He transferred to the Rugby water treatment plant in 1991 and became water plant superintendent in 1992. Rick took over as public works director in February 2011 and is a certified Grade IV Water Treatment, Grade II Water Distribution, Grade I Wastewater Treatment, and Grade II Wastewater Collection Operator. Rick is a member of the NDWPCC.

William "Bill" McQuiston - City of Williston
Bill is the wastewater treatment plant superintendent for the city of Williston. He has been with the city 29 years and has been at the wastewater plant since 2006. He is a certified Grade lll Wastewater Treatment, Wastewater Collection, and Water Distribution Operator. Bill is a NDWPCC member and participates in the conference and other training activities.

Past Recipients: Operator of the Year Awards

2010 Wade Hesch, Valley City
Mark Peterson, Fargo
Donald Wald, Wahpeton
Keith Winson, Maddock

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

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

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	Dwight Wurzbacher
Donald Zhorela	

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

1987 Don Erickson, Watford City
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

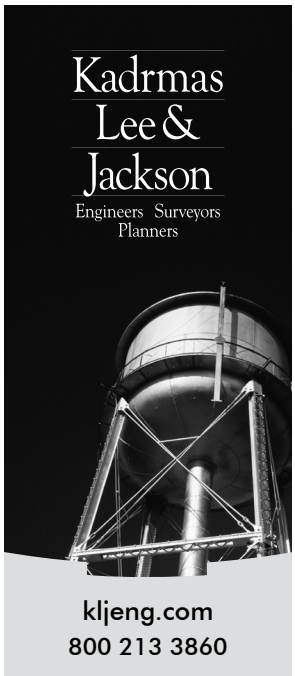
1985 Ray Foss, Hillsboro
Phil Furaus, Harvey
Francis Leintz, Lisbon
LaRay Reis, Lisbon
Dwight Wurzbacher, Grand Forks

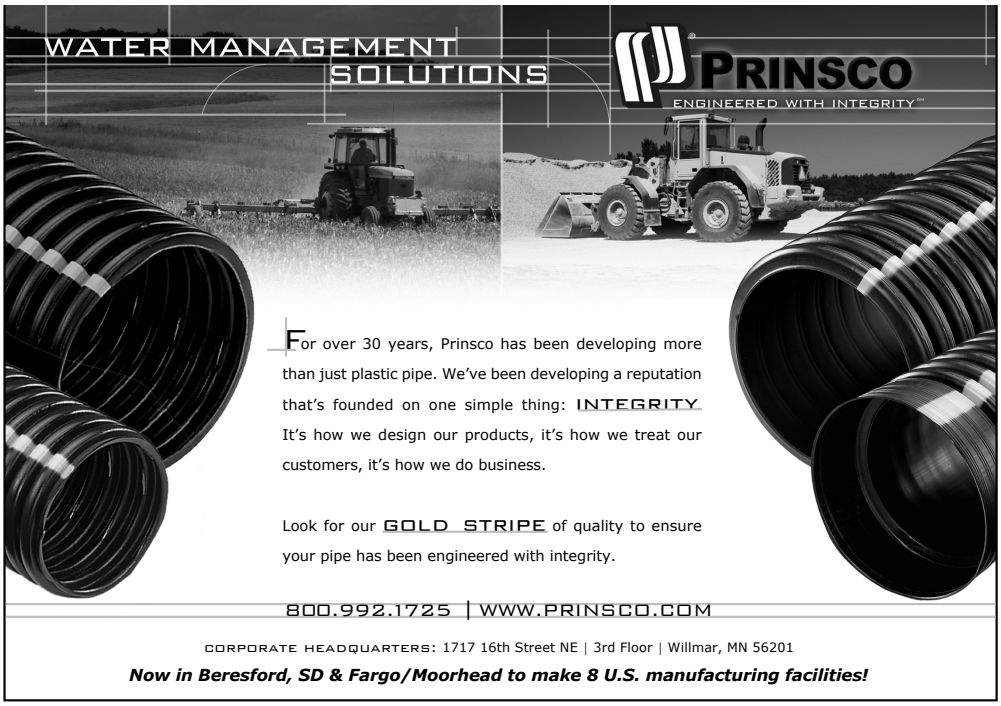
1984 Larry Boepple, Halliday
Lester Carman, Bismarck
Joe Roshau, Killdeer
Beven Shaw, Williston

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





2011 Desk Reference Guide to Exhibitors in the Tabletop Display Program

October 12, 2011, 7:30 a.m. to 11:30 a.m.

North Dakota Section of the
American Water Works Association
Water Taste Test Contest

North Dakota Section of the
American Water Works Association
Water for People

North Dakota Chapter of the
American Public Works Association

North Dakota Water Environment
Association

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Woodbury, MN 55125
612-805-9484

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Grand Forks, ND 58201
701-746-8087

Quality Flow Systems, Inc.
800 6th St NW
New Prague, MN 56071
952-758-9445

Van Bergen & Markson, Inc.
8814 7th Ave N
Minneapolis, MN 55427
763-546-4340

Ferguson Waterworks
1917 1st Ave N
Fargo, ND 58102
701-293-5511

Tonka Equipment Co.
13305 Watertower Cr
Plymouth, MN 55441
763-559-2837

Tech Sales
311 W 44th St
Minneapolis, MN 55409
612-823-8238

Moore Engineering, Inc.
925 10th Ave E
West Fargo, ND 58078
701-282-4692

Kadrmas, Lee & Jackson
128 Soo Line Dr
Bismarck, ND 58502
701-355-8400

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

Schwab-Vollhaber-Lubratt
4600 Churchill St
Shoreview, MN 55726
651-481-8000

Dakota Pump & Control
705 Quadee Dr SW
Watertown, SD 57201
605-886-4672

Stephen C. Roberts Co.
GE Water and Process Technology
17575 Bearpath Tr
Eden Prairie, MN 55347
952-949-2655

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

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

Thein Well, Co.
PO Box 778
Spicer, MN 56288
320-796-2111

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

Advanced Drainage Systems
6582 Co Rd 4W SW
Alexandria, MN 56308
320-219-8138

Vessco, Inc.
8217 Upland Cr
Chanhassen, MN 55317
952-941-2678

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

ND Rural Water Systems Association
2718 Gateway Ave Ste 201
Bismarck, ND 58503
701-258-9249

Hach Company
5600 Lindbergh Dr
Loveland, CO 80538
800-227-4224 Ext. 2110

Construction Specialties
7100 Utica Ln
Chanhassen MN 55317
612-860-0803

Fisher-Harris & Associates
5865 Neal Ave N, Ste 335
Stillwater, MN 55082
630-377-2226

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

Treatment Resources, Inc.
794 Springhill Ct
Woodbury, MN 55125
651-702-2692

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

SolarBee, Inc.
3225 Hwy 22
Dickinson, ND 58601
701-225-4495

Wells Concrete
5000 Demers Ave
Grand Forks, ND 58201
701-772-6687

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

Larson Data Communications
305 N Lawler St
Mitchell, SD 57301
605-996-5521

MVTL Labs
2616 E Broadway Ave
Bismarck, ND 58501
701-258-9720

ReCon Wall Systems, Inc.
7600 W 27th St #229
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3535 International Dr
Vadnais Heights, MN 55110-5252
651-766-0874

RedZone Robotics
91 43rd St Ste 250
Pittsburgh, PA 15201
412-202-3424

Double-Tree, Inc.
PO Box 10098
Bozeman, MT 59719
406-587-0994

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Centennial, CO 80112
303-627-1810

Cretex
925 Basin Ave
Bismarck, ND 58504
701-220-5192

Hawkins, Inc.
2001 Great Northern Dr
Fargo, ND 58102
701-293-9618

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

Red Flint Sand & Gravel
One American Blvd
Eau Claire, WI 54701
715-855-7600

Itron
2111 N Molter Rd
Liberty Lake, WA 99019
509-995-2485

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

American Flow Control
627 Heritage Dr #108
Brookings, SD 57006
308-325-0293

The Ford Meter Box Company
13685 Couchtown Ave
Rosemount, MN 55068-4711
651-315-6635

Bonetroo, (now Stantec)
2335 West Highway 36
St. Paul, MN 55113
651-604-4707

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

TKDA
444 Cedar St Ste 1500
St. Paul, MN 55101
651-292-4400

Widseth Smith Nolting
2715 S Washington St
Grand Forks, ND 58208
701-795-1975

Short-Elliott-Hendrickson, Inc. (SEH)
3535 Vadnais Center Dr
St. Paul, MN 55110
651-490-2000

Engineered Sales Co.
8500 Pillsbury Ave S
Bloomington, MN 55420
952-888-1131

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Fargo, ND 58102
701-282-0296

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3350 38th Ave S
Fargo, ND 58104
701-280-8524

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701-323-0200

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701-749-6190

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406-633-23616

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West Fargo, ND 58078
701-282-4692

MVTL Laboratories, Inc.
2616 E Broadway Ave
Bismarck, ND 58501
701-258-9720

Olson Engineering, Inc.
PO Box 1062
Devils Lake, ND 58301
701-662-652

Parsons Engineered Products
5051 Hwy 7, #290
St. Louis Park, MN 55416
952-926-7000

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612-805-8912

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Pewaukee, WI 53072
262-695-2340

Widseth Smith Nolting
2715 S Washington St
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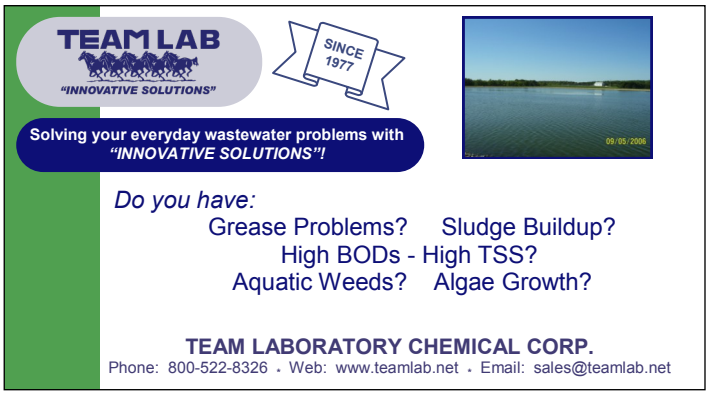
701-795-1975



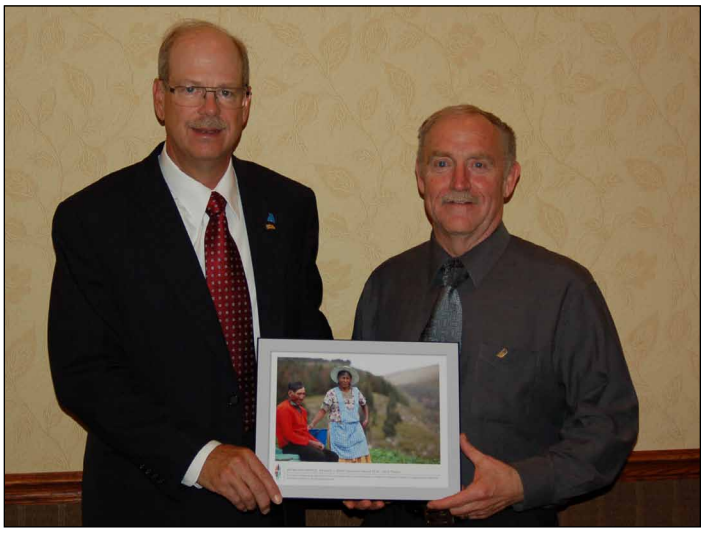
Kenneth J. Miller Founders' Award

Larry Thelen, Drinking Water Program administrator for the North Dakota Department of Health, was presented with the Kenneth J. Miller Founders' Award from Water for People (WFP) at the North Dakota Water and Pollution Control Conference October 12, 2011.

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.

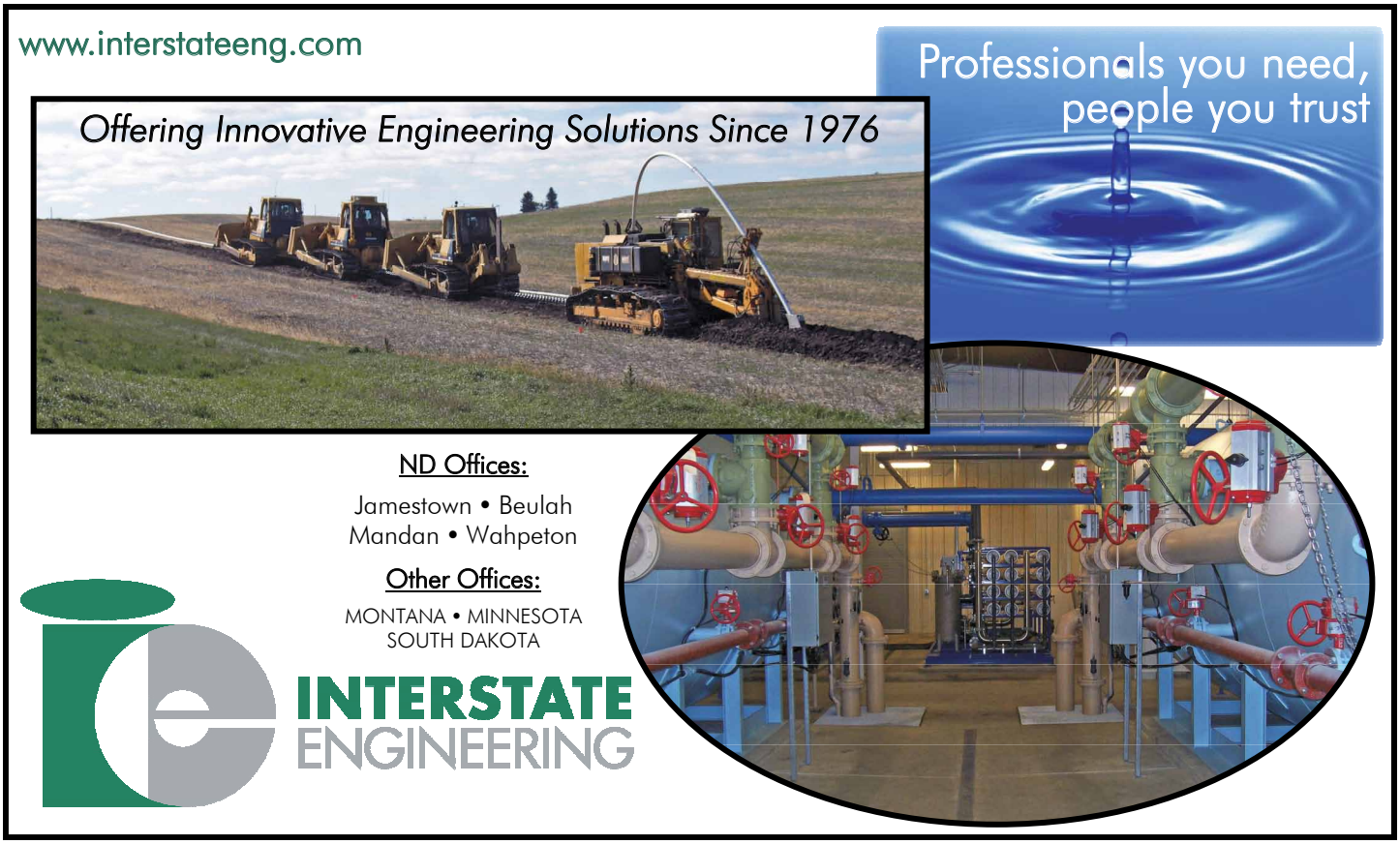
Larry began his career in the water industry working as an operator/manager of a public water system in north central North Dakota. In 1986 Larry was awarded the Operator of the Year Award.

In 1991, he took on a new responsibility as the administrator of the Drinking Water Program for the state of North Dakota. In this position, he is responsible for the drinking water program, inspections, and operator certification. His service to the water industry has included a commitment to ensuring a safe, ample water supply on the local, state and international level.



Larry Thelen (right) receives the Kenneth J. Miller Founders' Award from AWWA Vice President Jim Chaffee.

Larry has been a tremendous asset to the North Dakota section's Water for People committee. As one of the original five members of the committee, he has contributed his financial skills as he has guided the North Dakota Section of American Water Works Association (AWWA) to develop very structured and productive fund raising campaigns. He also has served as the secretary/treasurer for the North Dakota Section of AWWA for several years.



Minutes of the Board of Trustees Meeting North Dakota Section of AWWA

October 11, 2011

The fall meeting of the North Dakota Section of the American Water Works Association was held at the Ramkota Inn of Bismarck, N.D. on October 11, 2011. Present at the meeting were Chair Dean Sletten; AWWA Vice-President Jim Chaffee; Chair-elect Tim Paustian; Director Lisa Ansley; Trustees Dennis Larson, Jason Sorenson, Nancy Huether and Eric Volk; Secretary/Treasurer David Bruschwein; Assistant Secretary Treasurers Larry Thelen, and Greg Wavra. Others attending the meeting were Nancy Sullivan, Brett Jochim, Tanush Wadhawan, Meredith Quinn and Dr. Wei Lin.

The meeting was called to order by Mr. Sletten at 7:40 a.m.

The Secretary's Report was presented by Mr. Bruschwein. Mr. Paustian moved to approve the minutes of the May 17, 2011 Board meeting. Mr. Volk seconded, and the motion passed.

Mr. Wavra presented the treasurer's report. As of October 6, 2011, the section had income of $22,333.45 and expenses of $20,861.21. The section has $24,397.75 in the checking and money market accounts. The section also has $83,215.78 in scholarship endowments and reserve account. Mr. Volk moved to accept the treasurer's report. Ms. Ansley seconded and the motion carried.

Committee Reports

Education and Research Committee

Ms. Quinn presented the Education Committee report. The first topic covered was the NDSU Student Chapter. The student chapter currently has 28 members and has received an additional seven applications. The UND Student Chapter has 6 new members and also will participate at WEFTEC. Prizes this year were certificates at the state science fair and water bottles at the regional competitions. Cash and certificates were given at the state competition in lieu of a plaque and cash. UND students and two Grand Forks operators helped judge.

The Surface Water Workshop will be held April 24-26, 2012 in Moorhead. A registration form will be in the next issue of the *Official Bulletin*.

There is only one operator certification award this year. This is significantly less than the average 5 to 10 that are normally presented.

There was discussion on the best way to get the word out on the Water Utility Management Institute Scholarship. It was informally decided that word of mouth seems to be the most effective method for advertising this scholarship.

Water for People

Mr. Bruschwein reported the committee is again doing a raffle at the 2011 conference and hopes to surpass last year's ticket sales of 300 tickets.

Water Utility Council (WUC)

Mr. Jochim reported the DC Fly-in was April 4 and 5. Mr. Jochim and Mr. Duane Friesz represented the North Dakota Section. Topics included security revisions, infrastructure financing, and legislative standards. This was the first joint fly-in with the Water Education Foundation (WEF). The WUC will need to replace Mr. Wade Hesch on the council as his term is expiring.

Membership

Mr. Sletten stated the most recent membership report is 259 members. This includes six late memberships. Recent growth has been in the student chapters while there has been a slow decline in individual and operations memberships. Ms. Ansley talked about changes for life members and that they will now have an $85 dollar membership fee. This is the largest growing segment of the association and is starting to have an impact on dues collected. The association is not sure how this will be received as it is hard to get feedback from this group.

Student Chapter

Mr. Wadhawan, NDSU Student Chapter president, presented on the Student Chapter. The NDSU Chapter is sending 10 people to the Water Environment Federation Technical Exhibition and Conference (WEFTEC) this year for the student competition. The students are looking for ways to become involved, such as helping at high schools or participating at WEFTEC. NDSU held a very successful joint conference last June with Manitoba and South Dakota. Over 50 were in attendance including many professionals.

Director's Report

Ms. Ansley summarized the Director's Report which was emailed to the board. Highlights include that this past year was very busy. The association budget has been a challenge lately, and changes are being made to keep a balanced budget as membership continues to fall.

According to Ms. Quinn the motel contract has been signed for the Surface Water Workshop. The North Dakota section will be handling the registration this year and has asked for some flexibility in the budget when the

bills come in. The committee has been divided into five subcommittees to do the conference preparation work. The draft program will be finalized this Friday, and a tentative agenda will be published in the next *Official Bulletin*. The PR push will start in January. The tours are being changed from previous years. Currently the conference is on course to have a balanced budget.

Mr. Wavra led the discussion on the 2012 budget. The draft budget has a deficit of approximately $4,500. This follows a deficit in 2010 and an expected deficit in 2011. The discussion centered on what needs to be done while the section still has a reserve. The primary reason for the projected deficit in 2012 is the need to send the director and director-elect to two meetings. A decision will be needed at the next meeting. Discussion centered on ways to increase income, such as setting up a Manufacturers/ Associates Council (MAC) committee with income being dedicated to specific causes (e.g. student chapters). It was decided to have a meeting the afternoon before the next board meeting. Mr. Chaffee warned the section not to cut top-line items, those items that we are passionate about. Ms. Sullivan may have some benchmark information.

There was discussion to decide if a strategic planning session should be held in 2012, considering the potential budget deficit. It was decided that the strategic planning session is too important to postpone. Mr. Volk moved to hold a strategic planning session this winter and to pull funds from the reserves, if needed. The motion was seconded by Ms. Huether. Motion carried.

Mr. Bruschwein covered the head table arrangements.

The proposed by-law changes were briefly discussed. Ms. Ansley moved that the board approve the proposed changes and take the by-law changes to the general membership of NDAWWA at the October 11, 2011 business meeting and, if approved at that meeting, send them to the association for final approval. The motion was seconded by Mr. Sorenson, and the motion passed.

Ms. Huether moved to adjourn and the motion was seconded by Ms. Ansley. The meeting adjourned at 9:00 a.m.

Respectfully submitted,

David Bruschwein
Secretary-Treasurer

Minutes of the Business Meeting North Dakota Section of AWWA

October 11, 2011

The business meeting of the North Dakota Section of the American Water Works Association was held at the Ramkota Inn, Bismarck, North Dakota, October 11, 2011.

Mr. Dean Sletten called the meeting to order at 12:15 p.m. and recognized the head table, section officers, trustees, and AWWA Vice President Jim Chaffee.

The minutes of the October 13, 2010 Business Meeting were published in the 2010 post-conference issue of the *Official Bulletin*. Mr. Sletten asked for any corrections to the minutes. There were none. Mr. Charlie Vein moved to approve the minutes. Ms. Meredith Quinn seconded. Motion carried.

Mr. Sletten presented the Treasurer's Report. The section had income of $29,221.67 and expenses of $33,838.14, for a net loss of $4,616.47 in 2010. As of December 31, 2011, the section had $22,925.51 in checking and money market accounts, and endowments and a reserve of $83,215.78. Total assets for the section were $106,141.29. Mr. Eric Dodds moved to accept the Treasurer's Report and Dr. Wei Lin seconded the motion. Motion carried.

Mr. Sletten introduced the nominee for director, Mr. Larry Thelen. Ms. Miranda Kleven motioned to cast a unanimous ballot for Mr. Thelen as director. Mr. Jason Sorenson seconded. Motion carried.

Mr. Sletten introduced each of the board of trustees candidates. Nominees for trustee are Mr. Mike Berg and Ms. Meredith Quinn. The election was held by secret ballot. Mr. Sletten informed the members that Ms. Meredith Quinn is the new trustee.

Ms. Sarah Volk presented Certificates of Award for Water Treatment and Water Distribution Certification Advancement. The awardee this year is Effie Brown.

There was no other unfinished business.

The only item of new business was the approval of the proposed by-law changes. Mr. Sletten asked for discussion on the proposed by-law changes that were mailed out to the membership 30 days prior to the conference. There was no discussion on the proposed changes. Ms. Sarah Volk moved to accept the by-laws changes as mailed to the membership. The motion was seconded by Ms. Nancy Huether. The motion passed.

There was no other new business

Mr. Sletten introduced the guest speaker, Mr. Jim Chaffee. Mr. Chaffee is from central Wisconsin. While he has retired from AECOM, he currently works part-time as a consultant. His message was on changes in AWWA. These changes include cooperating with other organizations such as WEF, partnering with the sections, on-line training, "Communities of Interest," and ACE virtual. He went on to talk about how the true value in membership is being active in AWWA and the relationships developed through volunteering.

Mr. Chaffee presented a lifetime membership plaque for Mr. Gary Hager who has been a member of AWWA for 30 years.

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

Mr. Paustian asked for a motion to adjourn the meeting. Ms. Nancy Huether moved to adjourn and Dr. Wei Lin seconded the motion. The motion carried, and the meeting was adjourned at 12:45 p.m.

Respectfully submitted,

David J. Bruschwein
Secretary-Treasurer

North Dakota Section AWWA Education and Research Committee Meeting Minutes

October 10, 2011, 7:30p.m., Governor's Room, Ramkota, Bismarck, N.D.

CALL TO ORDER: Meredith Quinn, E&R Committee chair called the meeting to order at 7:35 p.m.

MEMBERS PRESENT: Meredith Quinn, Larry Thelen, Sarah Volk, Greg Wavra, Hazel Sletten, Dean Sletten, Wei Lin, Andrew Job, Nancy Sullivan, Nancy Huether, Lisa Ansley, Jim Chaffee, Dennis Larson, David Bruschwein, Tanush Wadhaman

REVIEW CALENDAR EVENTS:

a. **AWWA/WEA Student Chapter** – UND and NDSU gave a report of their competitions, membership standings, and what NDAWWA can do for them. NDSU has 30 members and is sending 10 to WEFTEC. UND has 15 members and is sending four to WEFTEC. Last month a representative from AWWA, APWA, and WEA spoke at an NDSU meeting. The groups are still trying to come up with ideas to bring in younger college students.
b. **Certificates of Recognition** – Sarah reported that only one of the 124 operators who tested in the spring for certification or increased certification will receive certificates as AWWA members. Sarah will not be at the Tuesday lunch so her certificate will be mailed to her supervisor to be awarded to her. Operator membership should be a topic of discussion for strategic planning. Jim Chaffee suggested operators ask their managers to pay their membership (like so many consulting engineering firms do for their employees) or have a meter madness competition to draw operators to conferences and add value to their membership. Lastly, it was suggested to talk to operators at spring training or give them a five-question survey to see why they are not joining.
c. **State Science & Engineering Fair** – AWWA changed the award this year to a certificate and $75 for the outstanding drinking water quality project in the senior and junior divisions. This year's recipients were Grace Schuler in the junior division and Nicholas Knoblich, in the senior division.
d. **2012 Surface Water Treatment Workshop** – The committee will fill the program at the end of this week. A tentative agenda and a registration will be in the winter *Official Bulletin.* PR and registration will be topics of discussion for the January meeting. The RMSO is the day after the workshop in 2012.
e. **Drinking Water Taste Test** – This event will take place Wednesday from 8 a.m.-10 a.m. Final judges will include Nancy Sullivan, AWWA, Jim Chaffee AWWA VP and the WEF representative. Shirts will be given to the winning city. A list of volunteers to run the booth was created. Sarah will contact the media.
f. **Fresh Ideas Poster Competition** – This is the second year of the AWWA Fresh Ideas Poster Competition. Eight to 10 posters are expected at the exposition Wednesday. All poster contestants will be invited to lunch, and the top three place winners will be announced at the Wednesday lunch. The winner is expected to receive $1500 towards a trip to the AWWA Annual Conference and Exposition (ACE) in 2012 in Dallas, Texas, pending approval of the budget.

g. **Management Institute** – The University of Minnesota has a course at the Utility Management Institute. AWWA provides a $1000 scholarship available to North Dakota utilities to send a member to this course. NDAWWA is currently seeking applicants. The deadline is January 1, 2012. Mark Peterson was last year's winner. The course takes place in mid-March of each year. Word-of-mouth advertising has proven to be the best way to get applicants. Please ask someone to apply.

h. **Committee Budget** – The budget for 2011-12 was discussed. Some changes were made to the budget last year. Most of those changes were carried over into this year. Funding for the poster winner to ACE isn't in the budget, but the Board will need to discuss this.

Respectfully submitted,

Meredith Quinn
E&R Committee Chair

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Fargo Wins Drinking Water Taste Test

The 83rd Annual Water and Pollution Control Conference was held in Bismarck, North Dakota, October 11-13, 2011. In conjunction with the conference, the North Dakota Section of the American Water Works Association (NDAWWA) sponsors 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 Mohall, Valley City, Fargo, Grand Forks, Mayville, and Enderlin. The winner of this year's taste test was the city of Fargo.

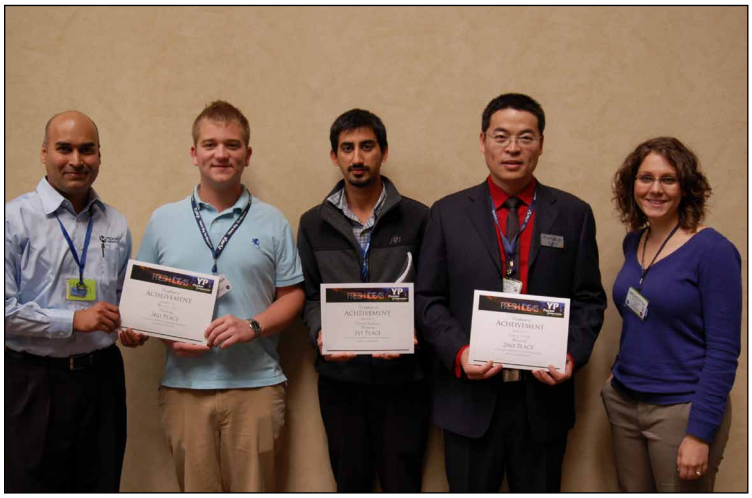
For further information, please contact AWWA Education Committee Chair Meredith Quinn, project engineer, AE_2S, 4050 Garden View Dr., Ste 200, Grand Forks, ND, 58201 (telephone: 701-746-8087, fax: 701-746-0370, email: Meredith.Quinn@ae2s.com).

Steve Kopp, city of Fargo, receives the 2011 Annual Drinking Water Taste Test Award from AWWA Education Committee Chair Meredith Quinn.

Fresh Ideas Poster Competition

The North Dakota Section of AWWA took part in the Fresh Ideas Poster Competition for a second year during the North Dakota Water and Pollution Control Conference Wednesday morning exposition. Winners for first, second, and third were announced at the Wednesday lunch with the top price receiving a trip to the AWWA Annual Conference and Exposition (ACE) in 2012 in Dallas, Texas.

First place was awarded to Tanush Wadhawan, an NDSU PhD candidate with a poster entitled "An ATP Based Method for Estimating Bacterial Regrowth in Drinking Water." Second place went to Qigang Chang of AE2S in Fargo with a poster entitled "The Fargo Water Treatment Plant Sulfate Removal Pilot Study." Third place was a tie between Murthy Kasi, an NDSU PhD candidate and engineer at Moore Engineering in West Fargo, and Brian Kistner, a UND Masters student who presented the poster "Sludge Digestion and Management at the Grand Forks Wastewater Treatment Plant."



Left to right: Murthy Kasi (NDSU); Brian Kistner (UND); Tanush Wadhawan (NDSU;, Qigang Chang (AE_2S); and Meredith Quinn (AWWA education committee co-chair).

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April 24-26, 2012 Moorhead, MN

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Representing: _____

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_____

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Email Address: _____

- ☐ Tuesday morning Introductory Workshop - free with registration or $20 alone
- ☐ Full Workshop Tuesday through Thursday - $195
- ☐ Full Workshop Registration after April 13, 2012 - $215
- ☐ Partial Workshop Registration (Wednesday and Thursday only) - $125
- ☐ Partial Workshop Registration After April 13, 2012 (Wednesday and Thursday only) - $145
- ☐ Student Registration without meals - Free
- ☐ Student Registration with meals - $15 per Day

  Specify days: ☐ Tuesday ☐ Wednesday ☐ Thursday
- ☐ Thursday tours (No charge):

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lthelen@nd.gov

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TENTATIVE SURFACE WATER TREATMENT WORKSHOP AGENDA

TUESDAY, APRIL 24, 2012

10:00 am - 12:00 pm	Fundamentals of Surface Water Treatment - Dr. Delvin DeBoer, SD State University
12:00 pm	Registration (No lunch provided)
1:00 pm	Workshop Kickoff - Welcome - Steve Burian, AE2S
1:15 pm	Decisions that Lead from Concept to Potable Water - Troy Nemmers, City of Fairmont & Grant Meyer, AE2S
2:00 pm	Stage II Refresher/Optimization - Rob Isabel, CDM
3:45 pm	Break
3:15 pm	Watertown South Dakota's Experience with Pretreatment for DBP Compliance - Brian Bergantine, PE, AE2S
4:00 pm	Using Water Distribution System Modeling for Improved Water Quality - Tom Welle, Apex Engineering Group & Lisa Vollbrecht, City of St. Cloud
4:45 pm	NDMA - Not Just Another Acryonym - Uma Vempati, HDR
5:30 - 7:30 pm	Poster Session (hor d'oeuvres/cash bar)

WEDNESDAY, APRIL 25, 2012

	SUPPLY / DISTRIBUTION TRACK	TECHNOLOGY / CASE STUDIES
7:00 am	Breakfast - provided	Breakfast - provided
8:00 am	Effect of Mixing on Water Quality in Storage Tanks - Dr. Delvin DeBoer, SD State University	Grand Forks Pilot Study - Biologically Activated Carbon Filtration and Granular Activated Carbon Contactors - Hazel Sletten, City of Grand Forks
8:30 am	Tank Mixing - Mike Christensen, Solarbee	
9:00 am	Impacts of Devils Lake on Fargo Water Treatment Plant - Bruce Grubb, City of Fargo	UV Advanced Oxidation for the Treatment of Taste & Odor and Algae-Related Compounds in Drinking Water - Rob Haas, TrojanUV
10:00 am	Break - with refreshments	Break - with refreshments
10:15 am	Bismarck Horizontal Collector Well - Brett Jochim, PE, AE2S	A Tale of Three Pilots - Evaluating RO Membranes at the Fargo Water Treatment Facility - Bo Johnston, PE, Black & Veatch
11:30 am	Zebra Mussels: What's Black and White and Spread All Over? - Brian Bergantine, PE, AE2S	Membrane Procurement & Installation/Retrofit of Small to Medium Size Installations - Brian Hoellein, Bartlett & West
12:00 pm	Lunch	Lunch

	TREATMENT / OPTIMIZATION TRACK	TECHNOLOGY / CASE STUDIES
1:00 pm	Source/Treatment Distribution - Optimizing the Burnsville Water Treatment Facility from Start to Finish - Nick Burns, Black & Veatch	Ozone & Advanced Oxidation Process - Grand Forks Pilot Study - Hazel Sletten, City of Grand Forks
2:00 pm	Optimization of Moorhead WTF Processes Using Inline UV254 Instrumentation and Multi-Parameter Analysis - Kris Knudson, City of Moorhead	HiPOx® for Groundwater Recharge: Atrazine Destruction, Bromate Control, and Disinfection - Keel Robinson, Applied Process Technology
2:30 pm	SCADA Optimization for Distribution Systems - Troy Hall, City of Moorhead	
3:00 pm	Break	Break
3:15 pm	Distribution System Nitrification Optimization - Dan Portlock, Moore Engineering	2011 ND Fresh Ideas Poster Winner Presentation - Tanush Wadhawan
4:00 pm	Lime Softening Optimization at Minneapolis Softening Facility - Chris Catlin, PE, City of Minneapolis	Valley City Membrane Filtration Case Study - Wade Hesch, City of Valley City & Jordan Grasser, AE2S
5:00 pm	Adjourn	Adjourn

THURSDAY, APRIL 26, 2012

7:00 am	Breakfast - provided
8:00 am	Exploring Advanced Technologies for Taste & Odor Removal - George Kraynick, Minneapolis Water
8:45 am	GAC Taste & Odor Removal - Predicted vs Full Scale Performance - Roger Scharf, CH2M Hill
9:45 am	Break - with Refreshments
10:00 am	Nutrient Loading Impacts on Water Utilities - Bob Clement, US-EPA
11:15 am	Department of Health Representatives from MN, SD, ND
12:00 pm	Adjourn
1:00 pm	Facility Tour - Fargo Water Treatment Facility Membrane Pilot Operation & Fargo Effluent Reuse Facility (Pre-Registration Required)

New Enforcement Response Policy

by Larry Thelen, North Dakota Department of Health

A new Enforcement Response Policy (ERP) and Enforcement Targeting Tool (ETT) have been designed by the U.S. Environmental Protection Agency (EPA) to assist public water systems in complying with the requirements of the Safe Drinking Water Act (SDWA).

The new approach will identify public water systems with violations rising to a level of significant noncompliance by focusing on systems with health-based violations and those with a history of violations across multiple rules. The system-based methodology is intended to ensure consistency and integrity of the national enforcement program. The ERP and ETT will prioritize and direct enforcement response to systems with the most systemic noncompliance. By considering all violations incurred by a system in a comprehensive way, the state will increase effectiveness in its protection of public health.

The goal of this new ERP and ETT is to allow states and EPA to:

- Ensure that both the state and EPA act on and resolve drinking water violations;
- Recognize the validity of informal enforcement efforts while ensuring that, if these efforts are ineffective, enforceable and timely action is taken.
- Increase the effectiveness of state and federal enforcement targeting efforts by providing a "tool" that calculates comprehensive noncompliance status for all systems and identifies those systems not meeting national standards as set by EPA.
- Ensure a means to escalate enforcement efforts based on a prioritized approach.

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This system-based approach uses a tool that prioritizes public water systems by assigning each violation a "weight" or number of points based on the assigned threat to public health. For example, a violation of a maximum contaminant level (MCL) of the total coliform rule (TCR) will carry more weight than that of a Consumer Confidence Reporting (CCR) violation.

The ETT uses a formula to calculate a public water system's compliance score based on open-ended violations and violations that have occurred over the past 5 years. It does not include violations that have returned to compliance or are on the "path to compliance" through an enforceable action or order designed to return the system to compliance.

The formula provides a rank-order of all public water systems based on the total points assigned for each violation and the length of time since the first unaddressed violation. The factors of the formula are:

The severity (S) or weight of the violation is highest for acute contaminant health-based violations. A lower weight is assigned to chronic and other health-based violations (nitrate monitoring and total coliform repeat monitoring violations). The lowest weight is reserved for other monitoring, reporting and other violations.

The number (n) represents years that the system's violations have been unaddressed (0 – 5).

The formula is: Sum = (S1 + S2 + S3 …) + n

Points (weight)	Violation Types
10	Nitrate and Nitrite MCL violations, acute TCR MCL violations, turbidity MCL violations.
5	Other chemical MCL violations, nonacute TCR MCL violations, Treatment Technique (TT) violations, TCR repeat monitoring violations, Nitrate monitoring violations, MRDL violations.
1	All other violations (e.g., record keeping violations, monitoring violations not mentioned above).

This is an example of how points are accumulated.

ABC Water System Water System Compliance History			
Violation Type	**Violation Date**	**Compliance Achieved**	**Points**
Failure to certify CCR Report	7/1/07	No	1
Routine Sample Monitoring Violation	5/1/11	No	1
Repeat Sample Monitoring Violation	4/1/10	No	5
Failure to Monitor for Nitrates	4/1/10	Yes	-
Exceed MCL for Total Coliform	6/1/11	No	5
TT Exceeds Turbidity 1 NTU	5/1/11	No	10
System Compliance Score			26*

*Score = (1 + 1 + 5 + 5 + 10) + 4 (years since oldest violation in 2007).

Any public water system with a score greater than or equal to 11 points will be considered a priority system for enforcement response. The state is required to formally address a system's noncompliance as a requirement under agreements with EPA. This is referred to as an Administrative Order or Bilateral Consent Agreement (with or without fines) for failure to comply with the state's drinking water requirements.

Implementation of this new policy and tool will allow flexibility to systems "on the path to compliance" additional time, within reason, to complete construction projects or system upgrades in order to come into compliance with SDWA regulations. In addition, it may also help the state identify systems possibly in need of other state assistance in the areas of Capacity Development and Sustainability.

Actions to lower your ETT scores:

- Collect all required samples during the monitoring period at locations indicated in your sample site plans approved by the North Dakota Department of Health.
- Submit all required monthly, quarterly, or annual reports for your water system.
- Ensure all required sample site plans are current and have been filed with the department.
- Ensure all significant deficiencies identified in your system's sanitary survey are addressed in a timely manner.

APWA
2012 Project of the Year Nominations

The ND Chapter of the American Public Works Association is soliciting nominations for the "2012 Project of the Year" Awards.

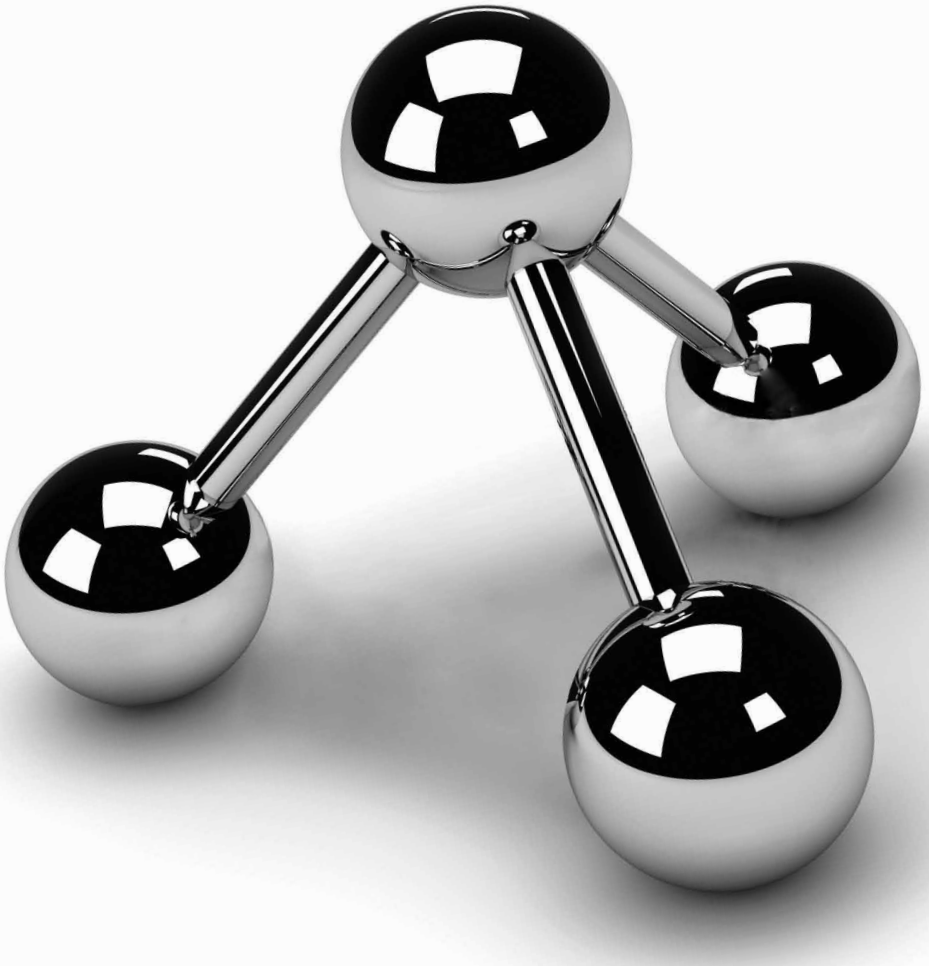
Eligible projects are defined as the physical structures and facilities that are developed, owned, and maintained by public agencies to provide water, power, waste disposal, transportation, and similar public services in accordance with established public policy.

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 scheduled to be held in Minot on October 17, 2012. Each project also 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 11, 2012.

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

Shawn Soehren
City of Dickinson
99 2nd St East
Dickinson, ND 58601
shawn.soehren@Dickinsongov.com



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APWA Executive Meeting Minutes

October 11, 2011

Location:
Season's Café I - Ramkota Inn - Bismarck, N.D. at 8:00 a.m.

Members present:
Chuck A, Dan J, Greg F, Terry B, Lance M, Chad Z, Darrin S, Jeff H, Rick G, Dustin Dale

Call to Order:
Called to order by Dan; Shawn was absent.

Approval of Minutes:
Motion by Lance.
Second by Chad, all approved.

Treasurer's Report:
Chad reported on finance and stated the organization is in good financial shape. Total revenue of $4575 with total expenses of $4219.22 with net revenue of $355.78. Net assets at beginning of year of $13,759.66 with net assets as of October 10, 2011 of $13, 982.44 with net income of $222.78
Motion by Lance.
Second by Terry, all approved.

Delegate Report:
Lance had nothing to report due to flooding and being extremely busy.

Committee Reports:
APWA Awards Program – Darin Schaeffer reported that the winners were Drayton for small communities and Fargo and Valley City both for the large communities. A plaque will be given to the city and engineering firms for all projects. Present the awards on Thursday noon meeting.

Budget Committee – Chad Zander reported expenses of $4500 and income of $5340 with a net income of $840. Motion by Jeff, second by Rick. Reviewed and approved by all.

Old Business:
Presentation of awards for projects of the year will be done on Thursday noon.

New Business:
2012 Executive Committee Nominations - Shawn Soehren

Nomination of Officers for 2010:
President: Dan Jonasson
Vice President: Chad Zander
Secretary/Treasurer: Terry Boehm
Executive Secretary: Chuck Abel
Delegate: Lance Meyer
Past President: Shawn Soehren
Director: Walt Smith
Director: Lance Meyer
Director: Rick Gillund
Director: Jeff Heintz

Student Membership:
Chad reported student APWA membership at NDSU is 35 students. A portion of membership is paid by other organizations. Is this something APWA wants to do? It was decided in previous meetings that APWA would pay $15, which would make the student portion a maximum of $10. Budget for student chapter is $1000; the additional expense should be OK.
Motion by Rick.
Second by Jeff, all approved.

Adjourn:
Motion by Lance.
Second by Chad, all approved.

Submitted by:
Terry Boehm, Secretary Treasurer

Jim Mahony
Area Sales Manager

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APWA Annual Membership Meeting Minutes

October 13, 2011

Location:
Courtyard Ramkota Inn - Bismarck, N.D. at 12:00 p.m.

Call to Order:
Called to order at the Thursday luncheon meeting by Dan J. due to Shawn S being absent.

Approval of Minutes:
Minutes of the May 17, 2011 Executive Meeting were previously approved at the earlier Board Meeting and are available on the chapter website and were published in the *Official Bulletin*. Approved at the May meeting; therefore, no motion or second is needed.

Treasurer's Report:
Report on Chapter finances by Chad Zander. Chad informed the meeting of the financials.
Motion by: Greg F.
Seconded by: Dale Heglund. All approved.

Old Business:
No old business.

New Business:
APWA Awards Program - If you have successfully worked on a public works project or know of colleagues that have made outstanding contributions to APWA or in the public works field, they are encouraged to submit an entry for the "APWA 2012 Project of the Year Award." Contact a member of the Executive Committee for nomination information. Criteria will be published in the *Official Bulletin*.

Presentation of Awards – 2011 Project of the Year Presented by Darrin Schafer. Project of the Year Awards for small communities was given to City of Drayton for the Wastewater Pond project designed by Advanced Engineering. The large community's project was a tie between Valley City for an emergency sanitary sewer replacement designed by KLJ, and the city of Fargo's 45th St project designed jointly by AE_2S, Moore Engineering and Ultieg Engineering.

Nomination of officers for 2012 by Dan Jonasson:
President: Dan Jonasson
Vice President: Chad Zander
Secretary/Treasurer: Terry Boehm
Executive Secretary: Chuck Abel
Delegate: Lance Meyer
Past President: Shawn Soehren
Director: Walt Smith
Director: Lance Meyer
Director: Rick Gillund
Director: Jeff Heintz
No nominations from the floor.
Motion that the membership cast a unanimous ballot for the slate of officers.
Motion by Mel Bullinger.
Seconded by Rick Gillund. All approved.

Introduction of new President:
Darrin S. introduced Dan Jonasson as new president. Reflected on their trip together to Kansas City for the leadership convention. Stated that Shawn was great to work with this last year.

First Order of Business for New President
Thanks to Past President Shawn Soehren. Since Shawn was absent, the plaque, pin and certificate will be presented to Shawn in Dickinson by past president Greg Ficek.

Adjourn:
Motion by: Mel Bullinger.
Seconded by: Greg Ficek.

Submitted by: Terry Boehm, Secretary Treasurer

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Rugby Sanitation Wins the NDSWRA Award in 2011

The privately run sanitation and recycling company, Rugby Sanitation, won the North Dakota Solid Waste and Recycling Association (NDSWRA) award for the state's best run landfill in 2011. They received a plaque from NDSWRA after being nominated for the award by Kirk Johnson, an environmental scientist with the Waste Management Division of the North Dakota Department of Health (NDDH) and the NDSWRA. The NDSWRA held their annual Solid Waste and Recycling Symposium in Dickinson in September 2011. Rugby Sanitation was unable to attend the event to directly received their award. The NDSWRA is assisted in these annual symposiums in various cities throughout the state by the NDDH Division of Waste Management.

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Quinn Receives Prestigious Drinking Water Industry Award

Meredith Quinn, project engineer at Advanced Engineering and Environmental Services, Inc. (AE_2S) was the 2011 winner of the George Warren Fuller Award, a prestigious award in the drinking water industry. The George Warren Fuller Award is given annually by the American Water Works Association (AWWA) for distinguished service in the industry and in commemoration of the sound engineering skill, brilliant diplomatic talent, and constructive leadership of people in the association which characterized the life of George Warren Fuller, one of America's historically renowned engineers.

"Through her involvement in AWWA, the North Dakota Pollution Control Conference, and the Surface Water Treatment Workshop, Meredith has done an excellent job in representing the water industry and the interests of AE_2S and is well deserving of this honor. Congratulations, Meredith," said Shawn Gaddie, Operations Manager of AE_2S's corporate headquarters in Grand Forks.

Quinn has been very active in the North Dakota Section of the American Water Works Association and is currently serving as the chair of the Education and Research Committee. She has been instrumental in the success of the Surface Water Treatment Workshop and has spent countless hours helping to plan various AWWA events. In addition, she has served on the National Young Professional Committee for the Association.

Meredith Quinn (right) receives the George Warren Fuller Award from AWWA Vice President Jim Chaffee.

2011 Water Environment Federation Hatfield Award Recipient: Robert French

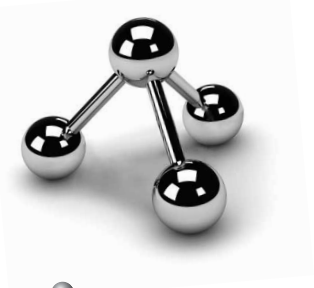
The William D. Hatfield Award is presented to operators of wastewater treatment plants for outstanding performance and professionalism. The award was established in honor of Dr. William D. Hatfield, Superintendent of the Decatur, Illinois Sanitary District, who was President of the Central States Sewage Works Association in 1944-45 and served as President of the Federation in 1958-59.

A Hatfield recipient must be a member of the Water Environment Federation, have a successful system of reporting from the operators to their superiors, provide the operators with a forum for suggestions for improvements, have a good public relations program and have contributed to the dissemination of information concerning advancements in the field.

Robert (Bob) French began his career in the wastewater industry in 1977 at the Red Rocks Community College in Denver. Bob worked as an operator for the Englewood/ Littleton, Colorado Regional Wastewater Treatment Facility, at the Genesee Park Colorado Public Works Department and at the city of Mandan wastewater plant. In 1982 Bob started work for the city of Bismarck wastewater plant as an operator and was promoted to foreman in 1987.

Currently, Bob is the operation supervisor at the Bismarck facility and has distinguished himself there through his conscientious dedication to seeing that the treatment plant is operating effectively. He is constantly on the lookout for new ideas to improve treatment. At the Bismarck facility, he has made numerous improvements, including the introduction of ferric chloride for sludge conditioning, odor and struvite control. He has worked closely with design engineers and the supervisory control and data acquisition developer to assure that plant improvements are operator friendly. He is a strong advocate for safety and has been instrumental in helping to instill a strong safety ethic at the Bismarck plant.

Robert French (right) receives the 2011 Water Environment Federation Hatfield Award from Sandra Ralston, WEF Board of Trustees.



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1. a situation in which something is required

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26TH ANNUAL EXPO - ND RURAL WATER SYSTEMS ASSOCIATION
February 14-16, 2012
Ramada Plaza & Suites – Fargo
Tentative Agenda

Tuesday, February 14, 2012

8:30 am Pre-Conference Tour – Wastewater Reuse Facilities
1:30 pm OPENING CEREMONY
Official Opening – President of NDRWSA
Welcome to Fargo – Fargo Convention and Visitors Bureau
Keynote Address – Steve Fletcher, National Rural Water Association
Motivational Speaker – Patty Corwin, How to Handle Change with Humor
3:00 pm Exhibit Hall Opens
5:00 pm Exhibitor Appreciation in the Exhibit Hall

Wednesday, February 15, 2012

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: Utility Billing Made Easy, Social Networking for the Workplace and Roundtable Discussions
Operation & Maintenance Track: Exhibitor Demonstrations - Exhibit Hall
11:00 am Operator Competitions
11:30 am Exhibit Hall Door Prize Drawings
12:00 pm Exhibit Hall Closes
12:00 pm Deli Buffet Luncheon in the Exhibit Hall
12:30 pm Spouse Program - ND Rural Woman and Household Water Supply: A Historical View
1:00 pm THREE CONCURRENT SESSIONS
Board Member/Manager Track: Workers' Compensation: Employer Responsibility & Upcoming Legislative Issues, Financials: Past, Present & Future and Are You Charging Enough for Your Water?
Operation & Maintenance Track: Current O & M Topics
Computer Track: Microsoft Office Tools & Tips
6:00 pm Social Hour and Silent Auction
7:00 pm Awards Banquet
Awards Ceremony – Honoring the Best in the Business
Diamond & Exclusive 26th Anniversary Sponsor Recognition
2012 Water Taste Contest Final Judging
Scholarship "Live" Auction

Thursday, February 16, 2012

7:45 am Breakfast Buffet
8:30 am THREE CONCURRENT SESSIONS
Board Member/Manager/Support Personnel Track: Emergency Preparedness, Response and Recovery
Operation & Maintenance Track: Current O & M Topics
Safety Track: Defensive Driving (Session starts at 7:45 am)
11:45 pm **CLOSING SESSION and GRAND PRIZE DRAWING**

Visit www.ndrw.org for additional information or to register.
Rooms have been blocked at the Ramada Plaza & Suites, 701-277-9000 and the Expressway Suites (State Rate), 877-239-4303. Be sure to mention you are attending the Rural Water EXPO.

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Annual Operator Training Program

The North Dakota Department of Health is pleased to announce the 52nd 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. This will include general operation and maintenance topics. **The courses, however, are not geared specifically to prepare operators for certification exams.**

2. Registration - Please preregister using the enclosed registration form, or complete your registration form online at http://www.ndhealth.gov/mf/ and mail or fax (701-328-6206) the printed copy. You may attend both water and wastewater sessions. Please indicate a second choice when selecting class sessions. Please make copies if more than one operator will be attending. 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 included; 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 Bob Markhouse at 701-328-6623.

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
Luci Herrick 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 at 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 5, 6 and 7, 2012
March 12, 13 and 14, 2012
March 26, 27 and 28, 2012
April 2, 3 and 4

Check in time for registration is 12:00 - 1:00 p.m. on March 5, 12, 26 and April 2.
Exams are scheduled from 1:00 - 5:00 p.m. on March 7, 14, 28, and April 4.

Chorine Meter Training - **(for applicable water operators)**
March 5, 12, 26 and April 2 at 10:00 a.m.

Wastewater Treatment and Collection - in Bismarck.
April 16, 17 and 18, 2012
April 30, May 1 and 2, 2012

Check-in time for registration is 12:00 - 1:00 p.m. on April 16 and April 30. Exams are scheduled from 1:00 - 5:00 p.m. on April 18 and May 2.

pH Certification - **(for applicable wastewater operators)**
April 16 and 30, 2012 at 10:00 a.m.
Surface Water Workshop - Marriott Hotel, Moorhead, MN.
April 24-26, 2012.

12. **Topics -**
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 -**
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, Storm Water Update, Pond Construction, and others.

14. **Reimbursement -**
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. **Forms/Applications -**
The 2012 registration form and application for operator certification exams can be located by clicking on calendar and publications 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 Luci Herrick at 701-328-5239.

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2012 Registration
52nd 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 5, 6, 7	❒	❒
Water Treatment and Distribution	March 12, 13, 14	❒	❒
Water Treatment and Distribution	March 26, 27, 28	❒	❒
Water Treatment and Distribution	April 2, 3, 4	❒	❒
Wastewater Treatment and Collection	April 16, 17, 18	❒	❒
Wastewater Treatment and Collection	April 30, May 1, 2	❒	❒

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, membership, and manuals payable to: **Total** _____

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

Department Use Only

Date Received_____
Amount Received_____
Cash MO or CK#_____

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 (11/11)

Directions

* Please type or print legibly.
* You may write a maximum of two examinations per session.
* Completed application must be received by the Certification Officer **15 days** prior to 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 and late 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		
Check 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

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 P / (C))

WATER TREATMENT

Chlorination P / C
Sequestering P / C
Chemical Softening and Filtration P / C
Iron and Manganese Removal P / C
Coagulation, Sedimentation, Filtration P / C
Fluoridation P / C
Corrosion Control P / C
Reverse Osmosis P / C
Other: _____

WASTEWATER TREATMENT

Stabilization Ponds P / C
Oxidation Ditches P / C
Trickling Filter P / C
Sludge Stabilization P / C
Aerated Ponds P / C
Activated Sludge P / C
Rotating Biological Contactor P / C
Other: _____

WATER DISTRIBUTION

_____ Average Daily Volume (GPD) P / C
_____ # of Service Connections P / C
_____ # of Pumping Stations P / C
_____ # of Storage Facilities P / C
Types: _____

Water Supply
_____ # of Wells P / C
_____ # of Springs P / C
_____ Name Surface Water
_____ Name Rural Water

WASTEWATER COLLECTION

_____ Average Daily Volume (GPD) P / C
_____ # of Service Connections P / C
_____ # of Industrial Connections P / C
_____ # of Storm Water Connections P / C

Lift Stations
_____ # of Submersible Type P / C
_____ # of Wet Well/Dry Well P / C
_____ # of Air (Pneumatic) P / C
_____ # of Package Type P / C

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

Optimal Fluoride Addition Level Changes

In January 2011, the U.S. Department of Health and Human Services announced that the optimal level for fluoride addition will change from a range of 0.7 to 1.2 milligrams per liter (mg/L) to a single value of 0.7 mg/L for the entire nation. This change is proposed for a number of reasons. It has been determined that 0.7 mg/L is the lowest level that provides oral health benefits to the general population. The advent of climate control in homes and workplaces has made the consumption of water more uniform across the county. In addition, there are now many other sources of dietary fluoride that can contribute to oral health.

While the change is not yet official, the North Dakota Fluoride Addition Program has decided to allow public water systems to change to the new optimal level immediately, if they wish.

The operational range is typically 0.1 mg/L below the optimal level to 0.5 mg/L above that level, so the new control range will be 0.6 mg/L to 1.2 mg/L. Until this change becomes official, the North Dakota Fluoride Addition Program is allowing systems to use either the old or the new levels. Final approval of the new level has not yet occurred; however, when it does, systems will be allowed time to adjust.

If you have any questions about the change or anything related to the fluoride addition program, please contact Katie Luther of the Municipal Facilites Division at 701-328-5258 or kcluther@nd.gov.

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- Huber Technologies
- Lakeside Equipment
- WesTech

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- Dresser Roots
- Houston Service Industries

Biological Treatment
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- Huber Technologies
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- M2 Renewables
- Mixtec

Odor Control
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Chemical Feed
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- Milton Roy
- Severn Trent Services
- Capital Controls All Vacuum Feed Systems

Clarification
- Lakeside Equipment
- WesTech

Water Treatment
- WesTech
- Severn Trent Services

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Operators Pass Certification Exams

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Operator	Employer	Certification Type/Grade
Anderson, Ken	Fort Union Trading Post NHS	Water Distribution 1A
Borden, Brian L	Grand Forks	Water Treatment 04
Burns, Cory	Grafton	Wastewater Treatment 02
Edblad, Casey	Cando	Water Distribution 02
Goetz, Doug	Grand Forks	Wastewater Treatment 03
Hallanger, Thomas	Grand Forks Air Force Base	Water Distribution 02
Haring, Kevin	Oakes	Water Distribution 1A, Water Treatment 1A
Park, Vic	Sykeston	Water Distribution 1A
Pavlenko, Larry	Dunn Center	Water Distribution 1A
Price, Kyle	Dickinson	Wastewater Collection 01, Wastewater Treatment 01, Water Distribution 01
Rudnick, Kenneth D	Jamestown	Wastewater Collection 03
Smith, David	New England	Wastewater Collection 1A, Water Distribution 1A
Wallace, Braedon	Cargill Sweeteners	Wastewater Collection 01, Wastewater Treatment 01
Zaharia, Jacob	Cargill Sweeteners	Water Distribution 01
Hoots, Mary	Zeeland	Water Distribution 1A
Nelson, Brandon	Beulah	Water Distribution 02, Water Treatment 02
Richter, Mike	Cargill Sweeteners	Water Distribution 01
Rix, Tanner	Cargill Sweeteners	Wastewater Collection 01, Wastewater Treatment 02
Subart, Kraig	Dickinson	Water Distribution 01
Thomas, Adam	Washburn	Wastewater Collection 02, Water Distribution 02, Water Treatment 02
Weishaar, Dustin	Minot Air Force Base	Wastewater Collection 01, Water Distribution 01

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2011 Conference Attendance List

Andrew Aakre
Moore Engineering
925 10th Ave E
West Fargo, ND 58078
(701) 499-5887
aaakre@
mooreengineeringinc.com

Jeremy Aasen
City of Thompson
PO Box 266
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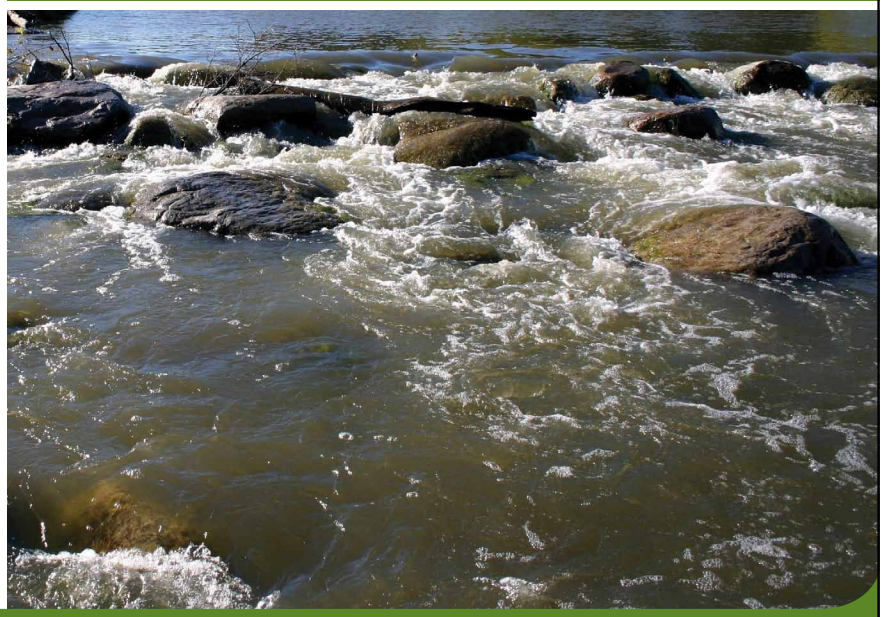

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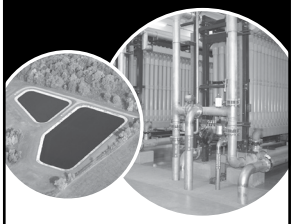
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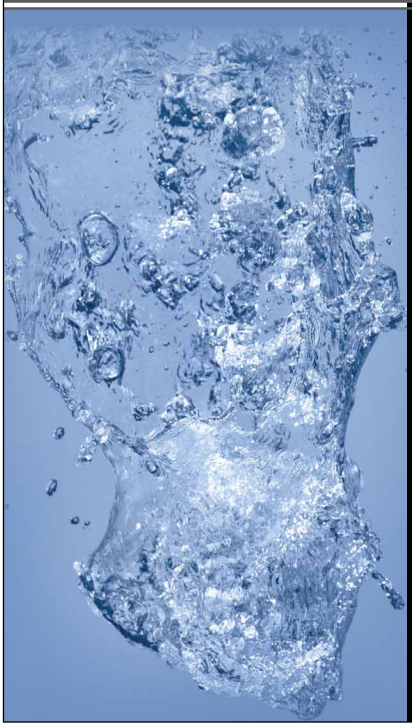
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