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NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

NDWPCC

KLJ is committed to improving the health,
safety and welfare of our communities.



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OFFICIAL BULLETIN

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North Dakota Water and Pollution Control Conference*

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PRESIDENT - Dean Sletten

PRESIDENT-ELECT - Dan Jonasson

VICE PRESIDENT - Seth Lynne

DIRECTORS - Joe Ferguson, Tracy Eslinger, Mike Berg, Wei Lin

ASSOCIATE DIRECTOR - Michael Quamme

SECRETARY-TREASURER - Mike Brisben

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

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

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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.

*Error Correction: The Conference issue was Volume 100 and should be 99. In order to fix the error, this current issue will be Volume 101 with all of the issues in 2014 being Volume 102. Sorry for the inconvenience.

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On the cover: Winter’s Gate. Photo provided by Sue Balcom.

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MINUTES OF THE 85TH ANNUAL MEETING OF THE NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

The 85th Annual Meeting of the North Dakota Water and Pollution Control Conference (NDWPCC) was held October 22, 23, and 24, 2013 at the Alerus Center, Grand Forks, 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), the North Dakota Section of the American Water Works Association (NDAWWA), and the North Dakota Chapter of the North American Stormwater and Erosion Control Association (NDSECA-ND).

The city of Grand Forks sponsored a pre-conference Disaster Management Workshop Monday, October 21, 2013, from 8:00 a.m. to 4:00 p.m. at the Grand Forks Public Works facility and Grand Forks Utility tours from 2:00 p.m. to 4:00 p.m. The NDAWWA Education and Research Committee held a pre-conference meeting at 5:00 p.m. Monday in the Oriole Room of the Alerus Center. An early bird welcome was also held Monday from 6:30 p.m. to 9:30 p.m. in the Playmakers Lounge at the Canad Inn.

Board meetings were held Tuesday, October 22, 2013 by NDAWWA at 7:30 a.m. in the Oriole Room, NDCAPWA at 8:00 a.m. in the Robin Room, NDWEA at 8:00 a.m. in the Mourning Dove Room, and NASECA-ND at 8:00 a.m. in the Canary Room of the Alerus Center. Additional NDAWWA meetings were held in the Oriole Room following the joint board meeting. During the Tuesday meetings, the associations planned their business meetings, listened to committee reports, accepted volunteers for committees, and conducted other business as needed. Association business luncheons were held Tuesday, October 22 (NDCAPWA); Wednesday, October 23 (NDAWWA); and Thursday, October 24, (NDWEA and NDWPCC).

North Dakota Department of Health (NDDH) operator certification exams were written Tuesday, October 22, 2013, from 7:30 a.m. to 11:30 a.m. in the Ambassador C Room, and pH certification training was held from 9:00 a.m. to 11:00 a.m. in the Upper Playmakers Lounge of the Canad Inn. Registration opened at 8:00 a.m. Tuesday, October 22, 2013, with Patty Carman and Darlene Germain welcoming all attendees. A total of 396 pre-registered, with final attendance being 386.

The joint board of directors of the NDWPCC, NDCAPWA, NDWEA, NDAWWA, and NASECA-ND met at 9:30 a.m. Tuesday, October 22, 2013 in the Oriole Room of the Alerus Center with NDWPCC President Bill

Gefroh calling the meeting to order at 9:35 a.m.

The following board members and guests were in attendance: Chuck Abel, Charlie Anderson, Mike Berg, Terry Boehm, Mike Brisben, Qigang Chang, Dustin Dale, Tracy Eslinger, Joe Ferguson, Bill Gefroh, Rick Gillund, Shawn Heinle, Wade Hesch, Jeff Hrubby, Chris Iwen, Dan Jonasson, Murthy Kasi, Wei Lin, Lance Meyer, Bob Nasset, Wayne Offerdahl, Karla Olson, Melanie Parvey, Tim Paustian, Colleen Peterson, Dan Portiock, Meredith Quinn, Reed Schwartzkopf, Dustin Scott, Dean Sletten, Jason Sorenson, Matt Sperry, Larry Thelen, Travis Thompson, Mike Trythall, Greg Wavra, and Chad Zander.

President Gefroh entertained a motion to dispense with reading of the minutes from the May 14, 2013 joint board meeting at the Seven Seas Hotel in Mandan and approve the minutes mailed to each board member and as published in the 2013 conference issue of the *Official Bulletin*. Rick Gillund so moved. Dan Jonasson seconded, and the motion carried.

Next, President Gefroh called for the treasurer's report. Mike Brisben read the January 1, 2013 to September 30, 2013 NDWPCC financial report, which showed a net income of \$1,451.12 and total assets of \$118,149.30. President Gefroh called for a motion to approve the treasurer's report. Wayne Offerdahl so moved, Wei Lin seconded, and the motion carried.

President Gefroh called for an update for the 2019 conference. Mr. Brisben reported that tentative dates are reserved for the weeks of October 7-10 and October 14-17 at the Minot Holiday Inn, Minot International Inn, and the Fargo Ramada Plaza Suites. Dates available at the Alerus Center are October 14-17 and October 21-25. Tentative dates in Bismarck at the Ramkota Hotel are October 28-31. Mr. Brisben noted that a motion will be called for at the January 2014 joint board meeting.

Next, President Gefroh called for a report on the AWWA YP poster competition. Murthy Kasi reported that there were six volunteers for judges and the section could accept up to nine. Competition began at 5:00 p.m. in the pre-function area by the registration tables in the Alerus Center. An NDWPCC/Student/YP reception followed from 6:30 p.m. to 8:30 p.m. President Gefroh stated that NDWEA would award \$100 to the best wastewater poster at this year's competition.

Moving on, President Gefroh called for an update on the proposed changes to the NDWPCC bylaws and constitution. Mr. Brisben reported that a mailing to

all conference members was sent 9/16/13 and that the proposed changes were also published in the 2013 conference issue of the *Official Bulletin*. Mr. Brisben noted that the changes involved adding the word “stormwater” to sections 2, 4, and 5 of the constitution and sections 2, 3, and 4 of the bylaws.

President Gefroh called for any other old business. Hearing none, President Gefroh asked for volunteers for the NDWPCC nominating committee. Mr. Brisben indicated that an incoming director and associate director would be needed. Karla Olson, Meredith Quinn, and Dean Sletten agreed to select the 2013/2014 slate of officers. Next, President Gefroh asked for volunteers for the auditing committee. Mike Berg, Wei Lin, and Reed Schwartzkopf agreed to perform the 2013 fiscal year audit prior to the January 2014 joint board meeting. Next, President Gefroh nominated Dale Heinert, City of Bismarck, for life membership and asked that those in attendance consider any other nominations to be voted on at the NDWPCC business luncheon. Mr. Brisben reported on activities for the 2013 conference, which included a pre-conference Disaster Management workshop, and early bird welcome, the annual golf tournament, two mobile workshops, facility tours, three concurrent sessions, a YP poster competition, an exhibitor program, breakfast poker, and awards banquet. Next, President Gefroh requested those attending to consider topics and presenters for 2014 spring training and the fall conference. President Gefroh asked if there was any discussion on preparing for the Fargo conference. Eric Dodds indicated a service project/hands-on event for the students and young professionals was being considered. Meredith Quinn inquired if the training would be similar to WEFTEC. Mr. Dodds noted that specifics still needed to be worked out.

President Gefroh called for any new business. Larry Thelen noted that barcodes were being used to assist with tracking credits this year. Tracy Eslinger asked if a report would be available. Mr. Brisben noted that CEC/PDH booklets were also available and that he or Barrett Brown could be contacted after the conference for a tracking report.

President Gefroh asked for any other new business. Hearing none, President Gefroh called for a motion to adjourn. Wayne Offerdahl so moved. Meredith Quinn seconded, and the meeting adjourned at 10:05 a.m.

Water samples for the 22nd annual water taste test, sponsored by NDAWWA, were accepted throughout the day Tuesday with ten public water systems entering. The Tuesday luncheon and NDCAPWA business meeting were held in the Aurora Ballroom with NDCAPWA President Chad Zander presiding. Grand Forks Mayor

Michael Brown welcomed all attendees on behalf of the city and President Zander welcomed all on behalf of the joint board of directors. Guest speaker Chuck Williams, Director, APWA Region VI, provided a brief update on APWA activities.

The annual golf tournament teed off at 1:00 p.m. at the King’s Walk Golf Course with Dave Kratochvil and Hazel Sletten handling local arrangements.

The Tuesday afternoon concurrent sessions along with a Membrane Treatment Mobile Workshop opened at 1:30 p.m. with Dan Steppan, EERC; Eric Dodds, NDWEA Past President; Dustin Scott, NDCAPWA Director; and Wayne Gerszewski, AE₂S moderating. The three concurrent sessions were held in the Bluebird/Finch Rooms, Pheasant Room, and Hawk Room of the Alerus Center.

Tuesdays topics included:

- “Grand Forks WTP Pretreatment/Membrane Pilot Study” - Matt Erickson, Graduate Student, Civil Engineering, UND
- “Challenges in Water Supply and Wastewater Management in Developing Countries” - Gabriel Aher, Arjun Thapa, Berdakh Utemuratov, Graduate Students, NDSU, and Dr. Wei Lin, Student Advisor
- “Industrial Coatings in Water and Wastewater Applications” - Dan Zienty and Joe Cesarek, SEH
- “Recarbonation: Innovative Technology Reduces Total Cost” - Stephen C. Roberts, President, S. Roberts Company; and Darryl Fendley, Senior Product Engineer, Blue In Green
- “The Leader’s Role Guiding Organizational Success” - Charlie Anderson, Past President, AWWA
- “NDSU AWWA/WEF Student Chapter Update” - Dr. Wei Lin, Assistant Professor, Civil Engineering Department, NDSU.
- “Water Quality and Wastewater Drives/Issues” - Dan Graber and George Hunt, HDR Engineering
- “Clean Green Nebraska: Communities Sharing Stormwater Knowledge and Resources for a Common Cause” - J.B. Dixon, Environmental Planner, Felsburg, Holt & Ullevig
- “American Crystal Sugar Company Wastewater Treatment Improvement” - NDSU, WEFTEC Design Team
- “Grand Forks Regional Stormwater Development” - Allen Grasser, City Engineer, City of Grand Forks
- “Grand Forks Public Works Infrastructure Overview” - Todd Feland, Public Works Director, City of Grand Forks
- “Alternate Project Delivery to Meet Challenging Design and Construction Requirements” - Darin Brickman, Principal, Burns & McDonnell Engineering, Co.
- “Bismarck Flood Protection Planning” - Scott Schneider, Apex Engineering Group

•“Effects of Biosolids/Soil Mixture at the Grand Forks Landfill” - Bryan Kaemingk, Graduate Student, UND

The 3:00 p.m. break was held in the Aurora Ballroom with all breaks sponsored by the business firms, vendors, and commercial suppliers listed in the program and on the poster located next to the registration table. A Tuesday night NDWPCC/Student YP reception, along with the NDAWWA YP poster competition, was held in the pre-function area at the Alerus Center from 6:30 p.m. to 8:30 p.m.

Early setup for the 25th annual exhibitor program ran from 3:00 p.m. to 10:00 p.m. on Tuesday in the Aurora Ballroom. Late setup was 7:00 a.m. to 7:30 p.m. Wednesday, October 23, 2013. Display hours were from 7:30 a.m. to 11:30 a.m., with 70 firms/suppliers reserving 78 booths.

A buffet breakfast sponsored by the exhibitors was held in the Aurora Ballroom, along with a breakfast buffet poker game. Poker hands were once again turned in at the NDWEA booth, with winners announced at the Wednesday awards banquet. Poker dealers included AE₂S, Apex Engineering Group, Ferguson Waterworks, Houston Engineering, Infratech, Interstate Engineering, MVTL Laboratories, NDRWSA, Quality Flow Control, Red Flint Sand & Gravel, Sanitation Products, SEH, and Stantec Consulting Services. The following business firms, suppliers, and associations participated in the exhibitor program: NDAWWA; NDWEA; NDCAPWA; NDRWSA; NDWARN; Cretex; KLJ; Team Lab; General Repair Services; Quality Flow Systems, Inc.; ESS Brothers, Inc.; Interstate Engineering, Inc.; Ferguson Waterworks; AE₂S; AE₂S Nexus; Construction Specialties; Prinsco Inc.; Badger Meter, Inc.; Tech Sales Co.; Fischer, Harris & Associates; Moore Engineering, Inc.; Hawkins, Inc.; S. Roberts Company; Veit & Company, Inc.; Engineering America, Inc.; EJ Iron Works; SEH; MVTL Laboratories, Inc.; RMB Environmental Lab. Inc.; Apex Engineering Group; Houston Engineering, Inc.; MWH; Sanitation Products, Inc.; Visu-Sewer, Inc.; Swanston Equipment; Stantec Consulting Services, Inc.; Bartlett & West, Inc.; ABM Equipment & Supply; Dakota Pump & Control, Inc.; Lightowler; Johnson Assoc. Inc.; Widseth & Smith Nolting; Van Bergen & Markson, Inc.; Thein Well Co.; Brock White Co.; Ulteig; Treatment Resources, Inc.; Larson Data Communication, Inc.; Northern Pipe Products; HD Supply Waterworks; Coating Resources, Inc./Tnemec; Advanced Drainage Systems; Infratech; Red Flint Sand & Gravel; Fargo Water Equipment/DSG; Integrated Process Solutions, Inc.; Advanced Pump & Equipment; Electric Pump, Inc.; JM Eagle; ND Sewage Pump & Lift Station Service; HDR Engineering, Inc.; Kodru-Mooney; Hach Co.; Wells Concrete; The Ford

Meter Box Company, Inc.; Engineered Sales Co.; Bolton & Menk, Inc.; Flexible Pipe Tool, Co.; American Flow Control; Vessco, Inc.; and Mueller Water Products.

The North Dakota Operator Certification Advisory Committee met Wednesday, October 23, 2013 at 9:00 a.m. in the Mourning Dove Room. The committee meets annually at the conference and, along with the NDDH, provides support for the North Dakota Water and Wastewater Operator Certification and Training Program.

Grand Forks facilities tours were scheduled Monday afternoon, Tuesday morning, and Thursday afternoon, with 42 attendees visiting the water treatment plant and 28 visiting the wastewater plant.

The NDAWWA luncheon and business meeting was held at 12:00 noon in the Aurora Ballroom with NDAWWA Chair Eric Volk presiding. Guest speaker Charlie Anderson, Past President, AWWA, gave an update on national AWWA activities.

The Wednesday concurrent sessions, along with a Public Works/Greenway Mobile Workshop, started at 1:30 p.m. with Fred Goetz, City of Grand Forks; Karla Olson, NDWEA Past President; Bobby Nasset, AE₂S; and Leah Rae Amundson and Kim Greendahl, City of Grand Forks, moderating. The concurrent sessions were held in the Bluebird/Finch Rooms, Pheasant Room, and Hawk Room of the Alerus Center.

Wednesday's topics included:

- “Phased Retrofit of an On-Line Water Treatment Plant” - Alan Kemmet, Project Engineer, Houston Engineering, Inc.
- “Evolution of the Grand Forks Water Treatment Plant” - Hazel Sletten, Water Utilities Superintendent, City of Grand Forks and Wayne Gerszewski, Senior Project Engineer, AE₂S
- “Managing the Design and Construction of a Water Supply Project” - Dan Korinek, Principal, Burns and McDonnell Engineering, Co.
- “Making the Fargo Effluent Reuse Facility Run” - Jeff Hoff, Wastewater Treatment Plant Operator, City of Fargo and Wei Lin, Civil Engineering Department, NDSU
- “Western North Dakota Wastewater Disposal Monitoring” - Karl Rockeman, NDPDES Program Manager, NDDH
- “Industrial Pretreatment Panel Discussion” - Bill Gefroh, City of Bismarck; Jeff Reiser, MVTL Laboratories; Jeff Roerick, NDDH; and Terry Rust, City of West Fargo
- “Stormwater Panel Discussion” - Colleen Peterson, City of Bismarck; Matt Sperry, ND Department of Transportation (NDDOT); Jeff Hruby, AE₂S; and Steve Sly, City of Fargo

- “El Zagal Sanitary and Storm Sewer Improvements” - Tim Paustian, Associate, Apex Engineering Group
- “Advanced Planning Techniques” - Kevin Martin, Principal, Houston Engineering and Roger Austin, VP/Marketing, MWH

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

A social hour was held in the pre-function area of the Alerus Center prior to the awards banquet. The following companies graciously sponsored the social hour, door prizes, coffee breaks, and golf tournament: AE₂S; Apex Engineering Group; EJ Iron Works; Electric Pump, Inc.; Engineering America; Ess Brothers, Inc.; Fargo Water Equipment/DSG; Ferguson Waterworks; HD Supply Waterworks; Houston Engineering, Inc.; Hughes Lift Station Services, Inc.; Jet-Way Multiple Services, Inc.; KLJ; Killoran Trucking & Brokerage, Inc.; Moore Engineering, Inc.; MVTL Laboratories, Inc.; ND Sewage Pump and Lift Station Service; Quality Flow Systems, Inc.; S. Roberts Company; SEH; Stantec Consulting Services, Inc.; Team Lab Chemical Corp.; and Van Bergen & Markson, Inc.

The annual banquet and awards ceremony was held in the Aurora Ballroom with 227 members and guests in attendance. Meredith Quinn, Trustee, NDAWWA gave the invocation, and Master of Ceremonies Daron Selvig introduced the officers, guests, and dignitaries at the head table. Entertainment was by the Dixie Cups.

The annual awards ceremony opened with Charlie Anderson, Past President, AWWA, presenting Brett Jochim, CEO, AE₂S, the George Warren Fuller Award and Rodney Kalis, Lead Water Plant Operator, City of Grand Forks, the Operator Meritorious Award. Meredith Quinn, NDAWWA Trustee, announced the winners of the poster competition and water taste test. This year’s poster winner was Adam Zach, AE₂S, and the three taste test finalists were Medina, Valley City, and Wahpeton, with Medina having the best tasting water. Charlie Vein, President, AE₂S, drew the winners of the 12th annual Water for People raffle. Mr. Vein also announced that the raffle sponsor donations and golf mulligans raised a new high of \$7,380.00. Mr. Anderson also presented the Kenneth J. Miller Award to Mel Bullinger, City Engineer, City of Bismarck, awarded during the 2013 AWWA Conference and Exposition (ACE) in Denver.

Next, Rick Warner, Treasurer, WEF, presented Wei Lin, NDWEA President, the Bedell Award; Don Tucker, Wastewater Treatment Plant Asset Manager, City of Grand Forks, the Hatfield Award; and Eric Dodds, Operations Manager, AE₂S, the Delegate at Large Award.

Bill Gefroh, Secretary-Treasurer, NDWEA, announced the breakfast poker winners, with Luci Snowden, NDDH, drawing the best hand.

Chad Zander, President, NDCAPWA, announced the 2013 APWA project of the year awards with “Quenching the Region’s Thirst,” R & T Water Supply Commerce Authority, Ray, ND, designed by AE₂S, receiving the small community award; and “West Fargo Storm Sewer Improvement,” designed by Moore Engineering, receiving the large community award.

Mike Brisben, NDDH, presented Operator of the Year Awards to Darrell Haman, Water Superintendent, City of Towner; Don Hartman, Public Works Director, City of Wildrose; Brad Moser, Public Works Superintendent, City of Medina; and Dale Neubauer, Water Treatment Operator, City of Fargo. Mr. Brisben also announced the winners of the golf tournament, with the team of Kevin Renslow, Karla Olson, Jason Sorenson, and Tom Welle shooting the low score.

The annual public works director and city engineers meeting was held Thursday, October 24, 2013, at 7:30 a.m. in the Mourning Dove Room.

The three Thursday morning concurrent sessions convened at 8:00 a.m. in the Bluebird/Finch Rooms, Pheasant Room, and Hawk Room, with Meredith Quinn, NDAWWA Trustee; Wei Lin, NDWEA President; and David Bruschwein, NDAWWA Secretary moderating.

Thursday’s topics included:

- “GIS & Asset Management” - Adam Jonasson, GIS Coordinator, City of Grand Forks
- “West Fargo Stormwater Improvement” - Dustin Scott, Project Manager, Moore Engineering
- “Electronic Operator Log Book” - Hazel Sletten, Water Utilities Superintendent and Fred Goetz, Operations Supervisor, City of Grand Forks
- “EERC Bakken-related Research” - Beth Kurz, Senior Research Manager, EERC
- “Bismarck WTP Horizontal Collector Well” - Brett Jochim, CEO, AE₂S
- “Water Reuse Panel Discussion” - Karla Olson, Apex Engineering Group; Jeff Hoff, City of Fargo; Scott Schaefer, AE₂S; and Gary Zuroff, City of Dickinson
- “Wipes in the Pipes: Non-dispersables in Wastewater” - Colin Marcusen, Engineer, SEH
- “Biotechnical Replacement Options for Rock Rip Rap and Other Hard Armor Systems” - Bill Murphy, Engineered Products Manager, Hanes Geo Components
- “Impact of Oilfield on Wastewater” - Scott Schaefer, Wastewater Group Manager, AE₂S
- “Municipal Stormwater Funding” - Colleen Peterson,

Stormwater Coordinator, City of Bismarck

- “Dickinson Master Plan - Designing for Flexibility” - John Wirres, Civil Engineer, KLJ
- “NDDOT’s EPA Inspection Consent Agreement” - Matt Sperry, Stormwater, Coordinator, NDDOT
- “Washington Street Master Lift Station Bismarck” - Mike Berg, Vice President, Apex Engineering Group
- “Reclaimed Water Supply Assessment for Jamestown’s Wastewater Treatment Facility” - Tom Welle, President, Apex Engineering Group; and Reed Schwartzkopf, City Engineer, City of Jamestown
- “Asset Management” - Jarred Heller, Assistant Operations Manager, AE₂S

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

The joint business meetings and luncheon of the NDWEA and NDWPCC were held at 12:00 noon with NDWEA President Wei Lin and NDWPCC President Bill Gefroh presiding. President Wei Lin called the NDWEA meeting to order. Guest speaker Rick Warner, Treasurer, WEF, reported on the accomplishments and goals of WEF. The NDWEA business meeting adjourned at 12:59 p.m.

President Gefroh called the NDWPCC business meeting to order at 1:00 p.m. As the first order of business, President Gefroh called for a motion to dispense with the reading of the minutes from the 2012 annual meeting in Minot and approve the minutes as published in the *Official Bulletin*, October - December 2012, Volume 98, Numbers 10-12. Seth Lynne so moved. Tom Welle, seconded and the motion carried.

Next, Mr. Brisben presented the 2013 treasurer’s report, showing a net income of \$1,461.12 and total assets of \$118,149.30. Hazel Sletten motioned to accept the treasurer’s report as presented. Jeff Reiser seconded, and the motion carried.

President Gefroh called for a motion to dispense with the reading of the resolutions and approve the resolutions as written and posted near the registration table throughout the conference. Larry Thelen so moved. Don Tucker seconded, and the motion carried.

Next, President Gefroh called for nominations for life membership. President Gefroh nominated Dale Heinert, and Keith Demke nominated Charlie Jaszowski. Both had retired from the City of Bismarck. President Gefroh called for a motion to close nominations and the secretary be instructed to cast a unanimous ballot. Justin Feld so moved. Hazel Sletten seconded, and the motion carried. Next, President Gefroh discussed the changes to the NDWPCC constitution and bylaws that were mailed to the membership on September 16, 2013 and published in the

2013 Conference Issue of the Official Bulletin. President Gefroh noted that the recommended changes included adding stormwater to the purpose of the Conference and as a related field for membership classification. Larry Thelen moved that the changes be approved. Colleen Peterson seconded, and the motion carried.

President Gefroh called for a report from the nominating committee. Dean Sletten read the following slate of officers for 2013-2014.

Dean Sletten, President
Dan Jonasson, President-elect
Seth Lynne, Vice President
Holdover Directors, Joe Ferguson, Tracy Eslinger, and Mike Berg
Incoming Director, Wei Lin
Associate Director, Michael Quamme
Secretary-Treasurer, Mike Brisben

President Gefroh called for further nominations from the floor. Hearing none, President Gefroh called for a motion to close nominations and instruct the secretary to cast a unanimous ballot. Seth Lynne so moved. Wade Hesch seconded, and the motion carried.

Next, President Sletten presented outgoing President Gefroh the NDWPCC President’s Service Award, thanking him for his contribution to the Conference.

President Sletten called for a motion to adjourn. Larry Thelen so moved. Don Tucker seconded, and the 85th annual meeting of the NDWPCC adjourned at 1:08 p.m., Thursday, October 24, 2013.

Respectfully submitted,
Mike Brisben
Secretary-Treasurer



2013

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Vessco, Inc.

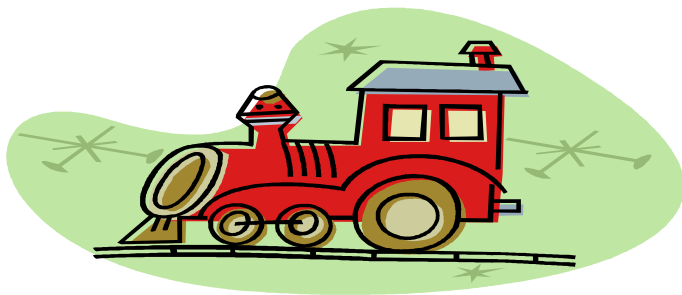
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Sweeney Controls Company
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Wold Engineering, PC
Kemper Construction Company

“THE TRAIN HAS LEFT THE STATION”.....STAGE 2 DISINFECTANTS/ DISINFECTION BYPRODUCTS RULE

Lydia Fewless, environmental scientist, North Dakota Department of Health



October 1, 2013 was the final date for systems to “get on board,” with this being the Stage 2 D/DBPR compliance start date for all Schedule 3 and Schedule 4 systems. Schedule 3 systems include those systems serving 10,000-49,999 people OR are part of a combined distribution system where the largest system serves 10,000-49,999 people. Schedule 4 systems are those systems that serve fewer than 10,000 people OR are part of a combined distribution system where the largest system serves fewer than 10,000 people. A combined distribution system consists of all systems that provide finished water (wholesaler/seller) and the systems that receive finished water (consecutive/buyer). *What it really means is that anyone buying any amount of finished water from anyone else is part of a larger group of systems.*

Stage 2 D/DBPR applies to all community and non-transient non-community water systems, including consecutive systems that are using a chemical disinfectant or oxidant other than ultraviolet light (UV). In other words, systems that purchase disinfected water are included in this rule, as are systems with their own well(s) and using disinfection in their treatment process.

Stage 2 D/DBPR significant changes only, affect total trihalomethane (TTHM) and haloacetic acids five (HAA5) sampling. Maximum Residual Disinfectant Levels (MRDLs), bromate, and chlorite monitoring requirements under Stage 1 D/DBPR have not changed. Sample collection procedures also have not changed.

Schedule 3 or 4 systems starting Stage 2 on **quarterly monitoring** will begin sampling during the **4th quarter of 2013 (between 10/1/13 and 12/31/13)** in accordance with their monitoring plan, while systems

starting on **annual monitoring** will begin sampling in the **3rd quarter of 2014 (between 7/1/14 and 9/30/14)** in accordance with their monitoring plan. Any public water systems having questions or needing to make revisions regarding their Stage 2 D/DBPR compliance monitoring plan should contact the Stage 2 D/DBP Rule Manager.

Most systems will begin with routine compliance monitoring, taking **dual sample sets** at each sampling location. Dual sampling means that both a TTHM and HAA5 are collected at the same time from the same sampling location. However, there are 39 systems in North Dakota that will be taking **individual sample sets** at the highest TTHM and HAA5 location(s). Individual sampling means that only a TTHM or HAA5 sample is required from a sampling location.

Under the Stage 2 D/DBPR, Maximum Contaminant Levels (MCLs) have not changed; they are still 0.080 mg/L (ppm) for TTHMs and 0.060 mg/L (ppm) for HAA5. However, a significant change is that compliance is now calculated as a Locational Running Annual Average (LRAA) at each monitoring location. The challenge for systems is that **all** DBP sampling locations must now meet compliance with the Stage 2 D/DBPR.

In summary, systems will need to determine their specific requirements as they move through the Stage 2 “Circles of Life.”

For additional information on Stage 2 D/DBPR, visit the EPA web site at <http://www.epa.gov/safewater/disinfection/stage2/compliance.html>, or contact Lydia Fewless, Stage 2 DBP Rule Manager, North Dakota Department of Health, Division of Municipal Facilities 701.328.5221 or lfewless@nd.gov

You can join Lydia at Operator Training this coming spring (March and April 2014) to learn much more about Stage 2 D/DBPR and how it may pertain to your system.

2013 Conference Photos

Thanks for attending



APWA Executive Meeting Minutes

October 22, 2013, Robin Room, Alerus Center, Grand Forks, North Dakota

Call to Order: Chad Zander @ 8:12 am

Approval of Minutes:

Motion: Rick Gillund

Second: Dustin Scott

Treasurer's Report:

Motion: Jeff Heintz

Second: Terry Boehm

Delegate Report: Lance gave an update from the House of Delegates meeting in Chicago. The House is looking to reorganize and change some of the duties that delegates perform for their chapters.

There was also discussion about sending the chapter delegate to the Spring Conference every year. There is additional cost to do this, and Lance wanted confirmation from chapter leadership that this would be acceptable. Chuck Williams, Region 6 Director, stated that National Headquarters might be able to provide some assistance. He will check into this.

Committee Reports:

APWA Awards Program – Chad Zander announced the winners for the greater than 5,000 and less than 5,000 population project of the year awards.

Budget Committee – Lance Meyer, the report will come in January at the Winter meeting.

Old Business: None

New Business:

2014 Executive Committee Nominations – Chad Zander

Nomination of Officers for 2014:

President	Terry Boehm
Vice President	Lance Meyer
Secretary/Treasurer	Jeff Heintz
Executive Secretary	Chuck Abel
Delegate	Lance Meyer
Past President	Chad Zander
Director	Bobby Nasset
Director	Dustin Scott
Director	Rick Gillund
Director	Barry Johnson

Motion: Dustin Scott

Second: Rick Gillund

Other New Business: None

Adjourn:

Motion: Jeff Heintz

Second: Rick Gillund



2013 Projects of the Year Awards

Presented by North Dakota American Public Works Association Chapter



Deon Stockert of AE₂S and Greg Larson of R&T Water Supply

Quenching the Region's Thirst: The huge population influx due to the oil development in the Bakken formation in western North Dakota, combined with the need for water to use in the fracking process, created a huge demand for water in the region. Drinking water in the heart of the Bakken has become critical as the region's population increases. At the center of this high demand area is the R&T Water Treatment Plant (WTP) in Ray, ND. In 1970, the cities of Ray and Tioga joined forces to construct a new 1-million-gallons per day (MGD) WTP. Soon after, the WTP also began providing water to the community of Stanley and then to Wildrose, as well as to surrounding industrial companies. The regional system had successfully served the area for the past 30 years. However, with the development of hydraulic fracturing the water demand was extreme.

The solution was to build a completely new WTP while continuing uninterrupted water service. A 2-MGD capacity, along with the existing 1 MGD, was the maximum water available from the well field aquifer. In order to provide the additional water supply needed, the Western Area Water Supply Authority (WAWSA) was secured as an additional source of water to supplement the existing demand. To date, the R&T Water Supply Commerce Authority is capable of providing water to the original communities and has added water service to Crosby, Fortuna, Noonan, and Columbus. Water is also available for industrial usage.



Terry Rust of the city of West Fargo and Dustin Scott of Moore Engineering

Storm Water Improvement: West Fargo has been experiencing rapid growth in the southern part of the city. Designing storm water drainage from more than 1,100 acres of typically flat Red River Valley was challenging. Developers did not want to use a storm water drainage ditch, as they wanted to maximize the use of land to sell as lots. In order to have gravity flow from two sections to a single, combined lift station, each section would have needed a 9-foot diameter pipe. The depth of the lift station would have been more than 30 feet deep. The solution was a lift station and 550 feet of 8x6 reinforced concrete box (RCB) installed from an existing pond. With a series of pipe and appropriate long radius bends, the pipe entered a lift station and a 48-inch reinforced concrete pipe (RCP) forcemain. The outfall structure to the Sheyenne River consisted of a precast concrete vault with a duckbilled check valve located at a natural bend in the river to minimize the possibility of scouring the opposite river bank. Two additional lift stations with 84-inch RCP were connected to adjacent storm water ponds. The forcemains from each lift station are parallel and 2 feet apart. Each has a duckbilled check valve that eventually discharges to the Sheyenne River at a 45-degree angle to the river to minimize scouring the opposite side.



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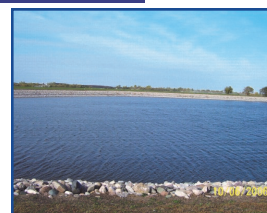
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SURFACE WATER TREATMENT WORKSHOP

April 29 - May 1, 2014 | Holiday Inn | Fargo, ND

STUDENT POSTER SESSION

April 29, 5:30-7:30 pm

Please join us for the Student Poster Session. The session is designed to showcase research, ideas, projects, etc.



SPONSORED BY MNAWWA, NDAWWA, AND SDAWWA

**For More Information on the
Student Poster Session, contact:
Kristofer Knutson
Phone: 218-299-5470
Email: kknutson@mpsutility.com**

2013 Operator Meritorious Service Award



Rodney Kalis, city of Grand Forks (left) and Charles Anderson, American Water Works Association (right)

Rodney Kalis, the recipient of the 2013 American Water Works Association's Operator Meritorious Service Award, has been in the water industry since January 1977. Over the years, he worked his way up from water plant operator to Lead Water Plant Operator. He consistently goes above and beyond what is expected of him.

He has:

- Maintained continuous compliance with public health standards in finished water.
- Ensured efficient operation and maintenance of equipment.
- Served as a mentor to new employees as they learned the operation of the water treatment plant.
- Gone above and beyond the call of duty to benefit his community.

Rodney joined AWWA in 1980 and is a Life Member of AWWA. He received the 1997 Operator of the Year Award from the North Dakota Department of Health. He is a volunteer at the Salvation Army as a bell ringer and is a member of the Holy Family Catholic Church. Besides his shift work at the water plant, he has found time to donate 15 gallons of blood. Rodney is married to Terri, is the proud father of Kristin and a grandfather of Hailey. He takes extreme pride in his work at the water treatment plant. Congratulations to Rodney L. Kalis, Lead Operator at the Grand Forks Water Treatment Plant and the 2013 AWWA Operator Meritorious Service Award recipient.

2014 SURFACE WATER TREATMENT WORKSHOP AGENDA

TUESDAY, APRIL 29, 2014

9:30 am	Registration Opens
10:00 am - 12:00 pm	Surface Water Treatment Primer Course - Dr. Delvin DeBoer, AE2S
12:00 pm	Registration Open (Lunch on your own)
1:00 pm	Welcome - Workshop Kickoff - Regional Surface Water Issues - Steve Burian, AE2S
2:00 pm	Outlook Into Potential Future Regulations - Emerging Contaminants and NDMA's: City of Grand Forks, ND Case Study - Grant Slick, AE2S
2:45 pm	Break - Refreshments Served
3:15 pm	A Utility Perspective Regarding the Development of Water Main Asset Management Plans - Richard Hibbard, St. Paul Regional Water & Kristopher Knutson, Moorhead Public Service
4:00 pm	Successful Implementation of CMMS for the City of Fargo - Benjamin Dow, City of Fargo and Jared Heller, AE2S
4:30 pm	Capital Sustainability Planning: How Much is Enough? - Grant Meyer, AE2S
5:30 - 7:30 pm	Student Poster Session (hors d'oeuvres/cash bar)

WEDNESDAY, APRIL 30, 2014

OPTIMIZATION & TREATMENT		SUPPLY
7:00 am	Breakfast - Provided	Breakfast - Provided
8:00 am	Transforming a Treatment Facility to Treat 5,800 NTU Raw Water: City of Williston, ND Case Study - Dr. Delvin DeBoer, AE2S	Unreliable at 20,000 CFS Yankton's Search for a Reliable Water Source - Steve Quail, HDR
9:00 am	Recarbonation: Innovation Technology Reduces Total Cost of Ownership - Clay Thompson, BlueInGreen	Step 2 Alternative TOC Removal Determination - Geoff Osterman, SD DENR
9:30 am	Optimizing Performance at a Surface Water Treatment Facility - Adam Bourassa, City of St. Cloud	Minneapolis Fridley Filter Plant Split - TBD
10:00 am	Break - Refreshments Served	Break - Refreshments Served
10:30 am	Valley City Membrane Operation - Wade Hesck, City of Valley City	Radial Collector Well Rehabilitation - Jim Jones, City of Mankato
11:00 am	Optimization Roadmap of Saint Paul Regional Water Services - CheFei Chen, St. Paul Regional Water	Managing Taste & Odors at the Source, A Case Study of Reservoir Management for Burnsville - Bo Johnston, Black & Veatch, Linda Mullen & Tony White, City of Burnsville, MN
12:00 pm	Lunch	Lunch

DISINFECTION / TASTE / ODORS		TECHNOLOGY / CASE STUDIES
1:00 pm	Advances in Ozone Technology at the North Burleigh WTP - Louis Lebrun, Pinnacle Ozone Solutions	Treatment Technology Selection: Conventional vs. Membrane - Pros & Cons and Economic Considerations for the City of Grand Forks, ND - Adam Zach, AE2S
1:30 pm	Highest Priority: No More Taste & Odor Complaints - Implementing Strategies to Address Algal Toxins for the City of Fairmont, MN - Jason Kosmatka, AE2S	Process Design & Construction of the New Standing Rock WTP - Phil Markwed, Bartlett & West
2:00 pm	Optimizing Plant Operation to Minimize Bromate Formation in a Full Scale Ozone Disinfection System - Kevin Young, Moorhead Public Service & Troy Hall, City of Fargo	Implementation and Challenges of a Membrane Backwash Recovery System - Tyson Decker & Jim Lennington, Bartlett & West
3:00 pm	Break - Refreshments Served	Break - Refreshments Served
3:30 pm	Impacts of Ozone Addition of MF/UF Membrane Performance at Two Surface Water Plants - Adam Norman, Bartlett & West	Membrane Technology Application in the Red River Valley: City of Fargo, ND Case Study - Qigang Chang, AE2S
4:00 pm	Effectiveness and Carbon Footprint of UV-Oxidation for the Treatment of Taste and Odor Causing Compounds in Drinking Water Rob Haas, TrojanUV	
4:30 pm	Adjourn	Adjourn

THURSDAY, MAY 1, 2014

7:00 am	Breakfast - Provided
8:00 am	Overview of MN, ND & SD Trends and Community Vitality - Local Demographer(s)
10:00 am	Break - Refreshments Served
10:30 am	River Pump Station - Transitioning from a Flood Liability to a Sustainable Asset - Brian Bergantine, AE2S
11:00 am	Ground Storage Reservoir (GSR) & Pump Station - Mark Peterson, City of Fargo
12:00 pm	Adjourn
1:00 pm	Facility Tour - City of Fargo GSR & Pump Station, Moorhead Public Service Red River Pumping Station, Industrial Treatment Facility (Fargo Brewing Company) - (Pre-Registration Required, Lunch Provided)

www.mnawwa.org

2014 SURFACE WATER TREATMENT WORKSHOP

April 29 - May 1, 2014

Holiday Inn, Fargo, North Dakota

REGISTRATION FORM

Name: _____

Representing: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Email Address: _____

- ☐ Tuesday Morning Introductory Workshop - free with full registration or \$20 alone
- ☐ Full Workshop Tuesday Through Thursday (Thursday Tour not included)- \$195
- ☐ Full Workshop Registration After April 18, 2014 - \$215
- ☐ Partial Workshop Registration (Wednesday and Thursday only) - \$125
- ☐ Partial Workshop Registration After April 18, 2014 (Wednesday and Thursday only) - \$145
- ☐ Student Registration without meals - Free
- ☐ Student Registration with meals - \$15 per Day
- Specify Days: ☐ Tuesday ☐ Wednesday ☐ Thursday
- ☐ Thursday Tours \$20 (Limited to 55 participants):

City of Fargo GSR & Pump Station
Moorhead Public Service Red River Pumping Station
Industrial Treatment Facility (Fargo Brewing Company)

Interested in Displaying at the Student Poster Session? Contact Kristofer Knutson at (218) 299-5470 or by email at kknutson@mssputility.com

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www.mnawwa.org

OR

SEND COMPLETED REGISTRATION and CHECK TO:

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MN Department of Health
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Operator of the Year Awards

Thank you for your hard work!

The North Dakota Department of Health, in an effort to encourage proper operation and maintenance of water and wastewater systems, instituted an annual operator awards program in 1981 at the annual North Dakota Water and Pollution Control Conference in Jamestown. This year marks the 33rd anniversary of the awards program which has honored 180 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 and federal 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 Environmental Association, the North Dakota Section of the American Water Works Association, and the North Dakota Chapter of the North American Stormwater and Erosion Control Association.

Recipients of the 2013 Operator of the Year Awards are: Darrell Haman, Towner; Don Hartman, Wildrose; Bradley Moser, Medina; and Dale Neubauer, Fargo.



Mike Brisben (left), Department of Health congratulates Darrell Haman, City of Towner

Darrell Haman, City of Towner

Darrell started in the water industry in 1976 serving 16 years as a member of the Eaton Irrigation District. He began working for the city as Water Superintendent and General Maintenance Supervisor in 1978. He has served on the Towner School Board for 13 years and is currently the director of the Towner Economic Development Board and has been a board member 14 years. He has been an EMT/fire fighter on the Towner Fire and Ambulance

Department 28 years and has served as secretary/treasurer the past 23 years. Darrell is a Grade II Water Treatment Operator and a Grade I Water Distribution and Wastewater Collection Operator.



Mike Brisben, (left) Department of Health congratulates Don Hartman, City of Wildrose

Don Hartman, City of Wildrose

Don was hired as the first Public Works Director on July 1, 2011 and was instrumental in the construction of a new waterline from Ray connecting Wildrose to the R&T Water Supply Association. Don is a Grade 1A Water Distribution and Wastewater Treatment Operator.



Mike Brisben, (left) Department of Health congratulates Bradley Moser, City of Medina

Bradley Moser, City of Medina

Brad started with the city of Medina January 1, 1987 and has overseen operation and maintenance costs for the water treatment plant and maintained the upkeep of all city buildings and properties for 26 years. He has been the fire chief for three years and a member of the fire department for 24. He's taught hunter safety for 18 years and has served as president of the Medina Sportsmen's Club since 1991. Brad is a Grade II Water Treatment Operator and a Grade I Water Distribution, Wastewater Treatment and Wastewater Collection Operator.



Mike Brisben, (left) Department of Health congratulates Dale Neubauer Moser, City of Fargo



Dale Neubauer, City of Fargo

Dale started part time with the city in 1968 and went to full time in 1971 following high school. He transferred to the Fargo Water Treatment Plant in 1973 and has been part of two water plant expansions, the last in 1997. Dale has been a Grade IV Water Treatment Operator the past 21 years.

Past Recipients: Operator of the Year Awards

2012	Alan Beyries, Garrison Frank Mosser, Maddock Sam Shutt, Minto Michael Tank, Medora	2006	Kelly Berentson, Westhope Jerry Imhoff, Elgin Jay Haugen, Michigan	2000	Tim Gjovig, Crosby Jim Fixen, Alexander Ed Rekkedal, Arvilla Reuben Grosz, Bismarck
2011	Kent Bickler, R&T Water Supply Mike Houska, Grafton Rick Larson, Rugby William "Bill" McQuiston, Williston	2005	Keith Olson, Harvey Bob Weninger, Harvey Ken Blilie, Kindred Del Kindelspire, LaMoure	1999	Richard Wanner, Bismarck Tom Sieg, Anamoose Ron Kleven, Grafton Bill Emerson, Minot
2010	Wade Hesch, Valley City Mark Peterson, Fargo Donald Wald, Wahpeton Keith Winson, Maddock	2004	Ron Hendrickson, Fargo Pete Bilstad, Fargo Delvin Stemen, Burlington Mark Paddock, Burlington	1998	Bill Link, Walsh Water Users Ross Carter, Sherwood Bob French, Bismarck Terry Leingang, Riverdale
2009	Dennis Larson, Park River Ken Miskavige, Grafton Gary Neuberger, Beulah Jason Sorenson, Minot	2003	Rick Anderson, Central Plains Water District Keith Fulsebakke, Bottineau Don Horning, Zap	1997	Staff Members of the 348th Quartermaster Detachment (Water Purification) United States Army Reserve
2008	Bill Gefroh, Bismarck Steve Himmelspace, Mandan Richard Jacobson, Hazen Roy Hayes, Hazen	2002	Arlis Bischoff, Grafton Allan Kraft, Cavalier Doug Neibauer, South Central Regional Water District Gary Zander, Mandan		Staff Members of the 136th Quartermaster Battalion North Dakota Army National Guard
2007	Duane Golliet, Fargo Raymond Peterson, Fargo Terry Rust, West Fargo Jerome Olson, Traill Rural Water District	2001	Verdeen Backstrom, Minnewaukan Jerome Broz, Fairmount Jack Knudson, Jamestown Paul Lacina, Barnes Rural Water		Staff Members of the 119th Civil Engineering Squadron North Dakota Air National Guard

Operators of Grand Forks-Trail
Water Users

Randy Loeslie
Mike Thompson
Neil Breidenbach
Ray Rakoczy

Operators of Agassiz Water Users

Gus Cronquist
Clark Cronquist

City of Grand Forks Water Treatment
Plant Operators and Employees

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

City of Grand Forks Water
Distribution Operators

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

City of Grand Forks Wastewater
Operators

(Storm and Wastewater Departments)

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

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

1995 Brad Moser, Medina
Les Sigette, McVile
Don Olafson, Valley City
Charles Jaskowskiak,
+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
Arnonld Stokkeland,
Cooperstown

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

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



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ANNUAL OPERATOR TRAINING PROGRAM

The North Dakota Department of Health is pleased to announce the 54th 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 non compliance 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 to 918 E. Divide Ave., 3rd Floor, Bismarck, N.D. 58501 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 and directions are included; please fill out completely, or complete your application form online at <http://www.ndhealth.gov/mf/> and mail to: **North Dakota Department of Health, 2639 E. Main Ave., Bismarck, N.D. 58501.** 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**; do not mail. Make payment when you check in 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** - (as applicable for 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** - (as applicable for 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 Snowden 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, 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 \$74.70 (single) and \$94.70 (double) plus tax. Other hotels honoring state rates based on availability include: Comfort Inn 701-223-1911, Comfort Suites 701-223-4009, Fairfield Inn North 701-223-9077, Fairfield Inn South 701-223-9293, Expressway Inn 701-222-2900, Kelly Inn 701-223-8001, and Ramada Inn 701-258-7000.

11. Class Schedule:

Water Treatment and Distribution - in Bismarck.

March 3, 4, and 5, 2014
March 10, 11, and 12, 2014
March 24, 25, and 26, 2014
March 31, April 1, and 2, 2014

Check-in time for registration is 12:00 - 1:00 p.m. on March 3, 10, 24, and 31.

Exams are scheduled from 1:00 - 5:00 p.m. on March 5, 12, 26, and April 2.

Chlorine Meter Training - (as applicable for water operators)

March 3, 10, 24, and 31 at 10:00 a.m.

Wastewater Treatment and Collection - in Bismarck.

April 14, 15, and 16, 2014
April 21, 22, and 23, 2014

Check-in time for registration is 12:00 - 1:00 p.m. on April 14 and April 21.

Exams are scheduled from 1:00 - 5:00 p.m. on April 16 and April 23.

pH Certification - (as applicable for wastewater operators)

April 14 and 21 at 10:00 a.m.

12. Topics in Water Treatment and Distribution may include:

SDWA Update, Operator Certification, Overview of Water Treatment Rules, BacT Update, Stage I & II Disinfectants/Disinfection By-products Rules, Filtration, Chlorine Meters and Measurements, Disinfection of Pipes and Reservoirs, Fire Hydrants, Groundwater Rule, Lead and Copper Rule, Math, Cross Connections, Pumps, System Security, Fluoridation, Well Head/Source Water

Protection, and others.

13. Topics in Wastewater Treatment and Collection may include:

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

14. **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. **2014 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 Snowden at 701-328-5239.

Regarding chlorine meter training
call Bob Markhouse at 701-328-6623.



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2014 Registration
54th 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).

<u>Name of Session</u>	<u>Date of Session</u>	<u>1st Choice</u>	<u>2nd Choice</u>
Water Treatment and Distribution	March 3, 4, 5	<input type="checkbox"/>	<input type="checkbox"/>
Water Treatment and Distribution	March 10, 11, 12	<input type="checkbox"/>	<input type="checkbox"/>
Water Treatment and Distribution	March 24, 25, 26	<input type="checkbox"/>	<input type="checkbox"/>
Water Treatment and Distribution	March 31, April 1, 2	<input type="checkbox"/>	<input type="checkbox"/>
Wastewater Treatment and Collection	April 14, 15, 16	<input type="checkbox"/>	<input type="checkbox"/>
Wastewater Treatment and Collection	April 21, 22, 23	<input type="checkbox"/>	<input type="checkbox"/>

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) _____
- CSU Small Wastewater System Operation and Maintenance, Vol.1 (\$50.00) _____
- CSU Small Wastewater System Operation and Maintenance, Vol.2 (\$50.00) _____
- Operations of Wastewater Treatment Plant Vol. 1 _____
- Operations of Wastewater Treatment Plant Vol. 2 _____

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# _____	

Directions for Completing Application for Operator Certification Exam

- ✓ Each statement and fact by the applicant must be true and correct.
- ✓ Please type or print legibly. Unreadable applications will be returned.
- ✓ Please fill out application fully and completely. Incomplete applications will be returned.
- ✓ Completed application must be received by the Certification Officer 15 days prior to exam date. Please send the application at least three to four weeks prior to the deadline to ensure that it arrives on time. Late applications will be returned.
- ✓ Payment must be received at the time of examination. Make your check for \$10.00 per exam payable to the North Dakota Department of Health. (NDDH)
- ✓ Payment for training sessions is separate and cannot be included on the check for examinations.
- ✓ Registering for training sessions does not register an operator for examinations.
- ✓ Applying to take an exam does not register an operator for training sessions.
- ✓ If your work status is part time or seasonal, you must present the actual number of hours worked in each area for which you are applying.
- ✓ You may write a maximum of two examinations per session (if they are class 2 or lower).
- ✓ You may apply for exams in water treatment, water distribution, wastewater treatment, or wastewater collection on the application form.
- ✓ Please start with your present position work experience and work back. If necessary, use extra sheets to describe duties.
- ✓ Choose references who can confirm your operating experience (supervisor, foreman, city officials, etc.)
- ✓ Applications must be signed and dated by operator and supervisor.
- ✓ If you are eligible to take an exam you will receive a confirmation letter. This letter must be presented at time of payment.

Examples of specific duties performed per area (these are just some of the duties that may be performed in these areas):

Water treatment - Start up, shut down, and make periodic operating checks of plant equipment, such as pumping systems, chemical feeders, auxiliary equipment, and measuring and control systems. Perform preventive maintenance of all equipment. Maintain plant records. Collect samples and perform laboratory tests. Computer data entry. Backwash filters. Make safety checks. Daily cleaning of plant. Monitor wells. Perform well drawdown tests, etc.

Water distribution - Operate and maintain all valves. Maintain and repair fire hydrants. Flush fire hydrants. Collect samples. Maintain distribution records. Perform chlorine tests. Read meters. Maintain and repair meters. Monitor and maintain water storage facilities. Fix and repair water mains and breaks. Routine maintenance of pumps and pumping facilities. Maintain an inventory of spare parts for system, etc.

Wastewater treatment - Daily operation and maintenance of pond system. Transferring wastewater between cells. Discharging wastewater. Dike maintenance. Fence repair. Mowing. Weed and vegetation control. Record keeping. Operate and maintain valves. Sampling and analysis. Checking freeboard. Operate and maintain all mechanical equipment. Erosion control. Seepage control. Control animal activity. Safety checks, etc.

Wastewater collection - Maintain and operate sewers, manholes, and pipelines. Repair sewer breaks. Replacing and repairing lines. Inspecting and/or installing new service connections. Operate and maintain lift stations. Maintain and repair pumps and valves. Record keeping. Safety checks. Operate high-velocity cleaning machines, rodders, and vacuum equipment, etc.

Exam rules

- ✓ Must present confirmation letter at payment.
- ✓ All exam fees must be paid before testing.
- ✓ Photo ID is required.
- ✓ No cell phones, cameras, earpieces, headsets, PDAs, radios, MP3 players, etc., allowed in the examination room.
- ✓ No pads, tablets, papers, formula sheets, books, binders, etc., allowed in the examination room.
- ✓ No programmable calculators allowed.
- ✓ You may bring extra pencils and simple calculators.

If you have questions, please call Craig Bartholomay at 701-328-6626.



APPLICATION FOR WATER AND/OR WASTEWATER OPERATOR CERTIFICATION EXAM

NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF MUNICIPAL FACILITIES
2639 East Main Ave
Bismarck, ND 58501
SFN 16403 (12/12)

READ DIRECTIONS BEFORE COMPLETING.

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) <input type="checkbox"/> Full Time <input type="checkbox"/> Part Time <input type="checkbox"/> Seasonal			
Check the certification exams you are applying for:					
Water Treatment Plant Operator		<input type="checkbox"/> 1A	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3 <input type="checkbox"/> 4
Water Distribution System Operator		<input type="checkbox"/> 1A	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3 <input type="checkbox"/> 4
Wastewater Treatment Plant Operator		<input type="checkbox"/> 1A	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3 <input type="checkbox"/> 4
Wastewater Collection System Operator		<input type="checkbox"/> 1A	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3 <input type="checkbox"/> 4
Exam Date:		Location:		For Reciprocity Applications:	
Retest: <input type="checkbox"/> Yes <input type="checkbox"/> No				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 backward. If necessary, use extra sheets to describe duties.

Dates employed: Mo./Yr. TO Mo./Yr.		Name and Address of Employer	Specific Duties Performed

Are you an operator in Direct Responsible Charge? Yes _____ No _____

Direct Responsible Charge (DRC) means full and active performance of onsite operation of a water or wastewater treatment facility or a water distribution and storage or wastewater collection and transfer system; and that you are responsible for **one or more of the following**: technical support of the facility or system and providing direction to other operators; onsite or on call during shift operations; operation of a major segment of a facility or system; are the sole person employed as the facility or system operator.

Date Started as DRC? _____

EDUCATION

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

Check 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 x C P)

WATER TREATMENT

_____ Average Daily Production (GPD) ____ C ____ P
Chlorination ____ C ____ P
Sequestering ____ C ____ P
Chemical Softening and Filtration ____ C ____ P
Iron and Manganese Removal ____ C ____ P
Coagulation, Sedimentation, Filtration ____ C ____ P
Fluoridation ____ C ____ P
Corrosion Control ____ C ____ P
Reverse Osmosis ____ C ____ P
Other: _____

WASTEWATER TREATMENT

_____ Average Daily Treatment (GPD) ____ C ____ P
Stabilization Ponds ____ C ____ P
Oxidation Ditches ____ C ____ P
Trickling Filter ____ C ____ P
Sludge Stabilization ____ C ____ P
Aerated Ponds ____ C ____ P
Activated Sludge ____ C ____ P
Rotating Biological Contactor ____ C ____ P
Mechanical ____ C ____ P
Other: _____

WATER DISTRIBUTION

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

WATER SUPPLY

_____ # of Wells ____ C ____ P
_____ # of Springs ____ C ____ P
Name of Surface Water _____
Name of Rural Water _____

WASTEWATER COLLECTION

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

LIFT STATIONS

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

Name, Address, Phone Number of References

1. _____
2. _____
3. _____

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



Engineering America

Case Study

Do Oil and Water Mix? They Do in the Bakken Fields of North Dakota!

Installed: 2011

Tank Type: Aquastore® Glass-Fused-to-Steel

Storage Capacity: 540,000 Gallons

Engineer: American Engineering Inc.

Contractors: Engineering America

We've all heard it: Oil and water don't mix. Frankly, they do not! But deep in North Dakota oil country they're changing that concept!



While oil and water still physically do not mix well, the NEED for water and water storage in North Dakota's oil country has seen the Aquastore glass-fused-to-steel water storage tank become the premier "mixologist" in the region. A case in point is the city of Tioga, ND, located on top of the Bakken oil shale in northeast North Dakota. The city of Tioga's demand for water soared significantly higher due to increased population and the water needs of the oil industry. Their solution? Aquastore glass-fused-to-steel!

The team of American Engineering Inc. of Williston, ND, and Engineering America provided a fast-tracked project for the city of Tioga in order to fulfill the new higher water demands of the region. Bids were received in late May 2011 and contracts awarded in June 2011 with a project completion date of October 31, 2011. With experienced project management and construction crews, Engineering America completed the 31' x 98', 540,000-gallon Aquastore glass-fused-to-steel standpipe ahead of time and on budget!

O.K., maybe oil and water do not physically mix but, for the cities hovering over the Bakken oil shale faced with overwhelming water demand, the solution is Aquastore glass-fused-to-steel tanks – the highest quality product that NEVER needs to be painted and is delivered in the FASTEST construction time frame!

Glass-Fused-to-Steel • Epoxy • Galvanized Stainless • Aluminum • Carbon Steel • Roof Systems



THINK TANK • *think process*

WEFTEC: A Student's Perspective

Rachel Freed, Undergraduate Student at North Dakota State University

Rachel is an undergraduate student majoring in civil engineering at North Dakota State University (NDSU) and also a member of the Engineers Without Borders (EWB) student chapter on NDSU campus. Rachel, along with several other EWB members, traveled to Chicago, IL to attend her first Water Environment Federation Technical Exhibition and Conference (WEFTEC) in October 2013. WEFTEC is an internationally renowned and one of the largest conferences in water industry. WEFTEC 2013 housed over 22,000 attendees and about 970 companies.

Entering the McCormick Place for WEFTEC the first time was intimidating, especially as an undergraduate student lacking the background of most attendees. My first impressions were: This place is huge. Will there be a lot of companies to fill up this floor? Will I understand what various speakers in technical sessions are presenting? Some of these impressions were proven to be true, such as the exhibitor floor being filled with several hundreds of manufacturing and consulting companies in the environmental field, while others were proven false. Attending technical sessions and listening to speakers could be overwhelming, but it quickly became apparent that, with enough diligence, there was much to be learned from the speakers. Of all the experiences at the WEFTEC, two stand out in my mind as the most memorable: the Students and Young Professionals Community Service Project and the opportunities to immerse myself in interactions with professionals.

The first day in Chicago, my fellow NDSU Bison and I participated in a service project building a rain garden for a school in Chinatown in Chicago. This was a nice “warm-up” for the rest of the conference as it gave us a way to meet other students and young professionals in a more relaxed setting. The garden involved a lot of manual labor and working side-by-side, automatically giving co-volunteers a chance to bond. When we arrived, there was a large hole in the middle of the paved playground. By the time we left, there was a rain garden filled with various plants and grasses, giving the playground a beautiful area that was designed to help reduce the overflowing of the sewers in Chicago. Along with the chance to connect with other students and young professionals, it was rewarding to build something that also had a positive impact on the community.

As the conference continued, there were many more opportunities to meet and network with not only students but also experienced engineers from various corners of the country. This was done by attending technical sessions,



WEFTEC attendees in Chicago

walking the exhibitor floor, and finally, the socials hosted by various companies. My fellow Bison and I enjoyed and appreciated the multiple socials we were invited to attend. Being college students, any free food and other amenities were a blessing on such a trip. The most exciting social for us was held by the AECOM Publishing Company. At first, this social was slightly intimidating as there were not many other students in attendance and the dress was slightly more formal than expected. As the social continued, we were able to interact with other guests began to enjoy ourselves.

Near the end of the social, there was to be a drawing for free copies of the fifth edition of the Wastewater Engineering book. The president of our organization conveniently had extra business cards, so we quickly scribbled our names down and placed the cards in the drawing. The first person drawn was one of our NDSU student WEF members and he was quickly followed by two more of our members. Since I was one of the recipients, I can honestly say that I greatly appreciated winning such a valuable item at this conference. Meeting all of the authors and getting their signatures was encouraging; we were able to see that their excitement at having students receive their books mirrored our own excitement.

Before heading to WEFTEC, I was very excited for the chance to travel to Chicago and experience the conference, but afterward, I was even more grateful for the opportunity. Not only was I able to interact with many professionals and learn more about the water industry, I was also able to see where my career could head in the future. As a student, it is challenging to know what area of focus you wish to pursue after graduation and what life will look like in the future. I am now confident in my desire to pursue working in the water industry. Water is not a one-faceted industry but is filled with continual innovation and something new to learn each day. By the end of the weekend, I can truly say I learned why “Water’s Worth It.”

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SC350

P300

P550

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701-839-0509

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Eau Claire, WI 54701
715-271-9014

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Fargo, ND 58102
701-235-7500

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Loretto, MN 55357
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1917 1st Ave N
Fargo, ND 58102
701-293-5511

HD Supply Waterworks
407 72nd St SE
Minot, ND 58701
701-852-6878

Houston Engineering, Inc.
1401 21st Ave N
Fargo, ND 58102
701-237-5065

Hughes Lift Station Serv. Inc.
1809 55th Ave N
Moorhead, MN 56560
218-287-1579

Jet-Way Multiple Serv. Inc.
PO Box 131
Harwood, ND 58042
701-282-2356

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

Killoran Trucking &
Brokerage, Inc.
PO Box 66
Tower City, ND 58071
701-749-6190

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925 10th Ave E
West Fargo, ND 58078
701-282-4692

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2616 E Broadway Ave
Bismarck, ND 58501
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3535 Vadnais Center Dr
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651-490-2000

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651-604-4707

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

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763-546-4340



NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE



11th Annual Stormwater Workshop

Don't Let Your Winter Go Down the Drain

Get Your Education Credits This March



Join the NDWPCC Stormwater Workshop March 26 & 27 in Dickinson
at the Ramada Grand Dakota Lodge.

Register at www.ndhealth.gov/wq/storm/stormwaterhome.htm



Knowledge Lives Downstream

NDWPCC Changes Constitution and Bylaws

The proposed changes to the NDWPCC Constitution and Bylaws were voted on and approved by eligible members attending the NDWPCC business meeting, Thursday, October 24, 2013.

The changes recognize the North Dakota Chapter of the North American Stormwater and Erosion Control Association as a member of the conference and are so noted. Questions concerning the changes can be directed to Mike Brisben, Secretary-Treasurer, at 701-328-6622 or mbrisben@nd.gov.

CONSTITUTION AND BYLAWS of the NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

CONSTITUTION

ARTICLE I. NAME

The name of this organization shall be the North Dakota Water and Pollution Control Conference.

ARTICLE II. PURPOSE

The purpose of this Conference shall be:

Section 1. General. This Conference is organized exclusively for educational and scientific purposes, including those purposes that qualify it as an exempt organization under Section 501(c)(3) of the Internal Revenue Code or of the corresponding provisions of any future Revenue Code.

Section 2. Specific. The advancement of the knowledge of design, construction, operation, and management of water, wastewater and stormwater systems.

Section 3. Specific. The promotion and encouragement, through annual meetings or otherwise, of an exchange of information and experience among its membership.

Section 4. Specific. The promotion and encouragement of the protection of public health and improved environment through the construction and efficient operation of water supply, wastewater treatment facilities and stormwater systems.

Section 5. Specific. The promotion of water, wastewater and stormwater system operator education and certification programs.

ARTICLE III. MEMBERSHIP

The membership of the Conference shall consist of persons or groups of persons having the qualifications of membership as prescribed in the Bylaws who are interested in any of the objectives of the Conference.

ARTICLE IV. OFFICERS

Section 1. All officers shall be Active Members of the Conference. The officers of the Conference shall be a President, a President elect, a Vice President, Five (5) Directors, at least one of whom shall be an Associate Member, and a Secretary-Treasurer. If deemed necessary by the Executive Committee, an Assistant Secretary-Treasurer may be added to the list of elected officers.

Section 2. The officers so noted in the preceding Section 1. shall constitute the Executive Committee.

Section 3. The term Active Member as used in this Constitution shall include all persons having the rights and privileges of Active Members under the Bylaws.

ARTICLE V. ELECTION OF OFFICERS

At the beginning of each annual meeting, the President shall appoint a Nominating Committee consisting of three (3) Active Members who shall prepare a list of nominees, at least one for each elective office about to become vacant, and shall submit their report at the annual meeting. Following the Nominating Committee report, the President shall call for additional nominations from the floor. If more than one name is placed in nomination for any office, voting shall be by ballot. Candidates receiving the majority vote shall be deemed elected.

ARTICLE VI. TERMS OF OFFICE

Section 1. The term of office for all officers, except the Directors as noted in the following Section 2., shall be for one (1) year.

Section 2. The Associate Director shall be elected for a one (1) year term. The other four Directors shall be elected for four (4) year staggered terms (two of the first

Directors shall be elected for two (2) year terms, after which subsequent terms of office shall be for four (4) years).

Section 3. The Secretary Treasurer and the Assistant Secretary Treasurer may hold office(s) for more than one year consecutively. All other officers shall not hold any one office for more than one consecutive term.

Section 4. The term of office for all officers shall begin immediately following their election at the annual meeting at which they were elected, and continue through the next annual meeting or until their successors are elected and qualified.

ARTICLE VII. DISSOLUTION

Upon dissolution of the Conference, the Executive Committee shall, after paying or making provisions for the payment of all of the liabilities of the Conference, dispose of all of the assets of the Conference exclusively for the purposes of the Conference in such a manner or to such organization or organizations organized and operated exclusively for charitable, educational, religious, or scientific purposes as shall at the time qualify as an exempt organization or organizations under Section 501(c)(3) of the Internal Revenue Code, or corresponding provision of any future Internal Revenue Code, as the Executive Committee shall determine. Any such assets not so disposed of shall be disposed of by the District Court of the County in which the principal office of the Conference is then located exclusively for such purposes or to such organization or organizations as said Court shall determine which are organized and operated exclusively for such purposes.

ARTICLE VIII. AMENDMENTS

Amendments to this Constitution may be proposed by the Executive Committee or by petition to the Committee by ten (10) or more Active Members. Upon instructions by the Executive Committee, the Secretary shall mail notices and the text of the proposed amendments to each member of the Conference at least thirty (30) days before it is voted on. A two-thirds majority vote by members present at the annual meeting is required for passage. The Executive Committee may, at their discretion and if time is of essence, call for a mail vote. If this option is taken, the above mailing of notice requirements applies and a two thirds majority mail vote is required for passage of the proposed amendment(s). The Executive Committee shall, on a mail ballot, designate the date when ballots must be returned. The date shall not be sooner than thirty five (35)

days from the date of mailing of the notices and text of the amendments.

BYLAWS

ARTICLE I. MEMBERSHIP CLASSIFICATION

Section 1. Members of this Conference may be Active Members, Associate Members, Corporate Members, or Honorary Life Members.

Section 2. An Active Member shall be any person engaged in, or interested in, any aspect related to the field of public water supply, wastewater and stormwater systems and in the advancement of knowledge relating to the objectives of the Conference.

Section 3. An Associate Member shall be either a person, firm, or corporation engaged in the manufacturing or furnishing of services, materials, or supplies for the construction or maintenance of water, wastewater or stormwater systems.

Section 4. A Corporate Member shall be any organization, private or governmental, engaged in the design, construction, operation, or maintenance of water supply, wastewater or stormwater systems or be engaged in, or interested in, the objectives of the Conference. A Corporate Member shall be entitled to one representative whose name shall appear on the roll of members and who shall have the rights and privileges of an Active Member. This representative may be changed at the convenience and pleasure of the Corporate Member on written notice to the Conference Secretary.

Section 5. Honorary Life Members may be recommended by the Executive Committee from names presented to the Secretary by any Conference member. Persons selected for such honors shall have been outstanding Conference members and supporters of the Conference objectives. They shall have been Active Members for twenty (20) years or more and have attained the age of sixty two (62) or more. Honorary Life Members shall have all the rights and privileges of Active Members but shall not be charged annual Conference dues. The names of Active Members recommended for Honorary Life Membership shall be submitted to the membership at the annual meeting for approval or disapproval. The 20 year or more membership and the age of 62 requirements may be waived at the discretion of the Executive Committee.

ARTICLE II. ADMISSION

Section 1. Any person or organization eligible for membership and desiring to become a member of the Conference, shall make payment of the current appropriate dues to the Conference Secretary. If there is no question of eligibility of the applicant, the Secretary shall accept the application and so notify the applicant.

Section 2. Where there is a question of eligibility, the Secretary shall submit the application to the Executive Committee for consideration. A majority vote of the Executive Committee shall be required for approval of the applicant for membership.

ARTICLE III. FEES AND DUES

Section 1. The annual Conference dues for all membership classes, except Honorary Life Members, shall be those currently established by the Executive Committee and approved by a majority vote of the membership present at an annual meeting. Honorary Life Members shall not be charged dues.

Section 2. Annual dues shall be payable the first day of the Conference year.

Section 3. The Conference Secretary, at the annual meeting of the Conference, may accept the appropriate dues for other organizations, etc., which have been affiliated with the Conference in accordance with Article VII of these Bylaws. The Conference Secretary shall record and remit such dues to the designated officer of the appropriate affiliated organization.

ARTICLE IV. CONFERENCE YEAR

Section 1. The Conference year shall begin on the first day of January and terminate as of the close of business on the last day of December.

ARTICLE V. ANNUAL MEETING

Section 1. The annual meeting of the Conference shall be held at a place determined by the Executive Committee at an official session.

Section 2. The dates for the annual meeting shall be set by the Executive Committee at an official session.

ARTICLE VI. DUTIES OF OFFICERS

Section 1. The Executive Committee shall direct the

management of the affairs of the Conference and shall make the necessary arrangements for the annual meeting and shall have the power to fill any vacancy of office that may occur between annual meetings. The Executive Committee shall meet at least two (2) times during the Conference year, one such meeting to be at the time of the annual meeting. A majority of the Executive Committee shall constitute a quorum and all actions shall be by majority vote. Special meetings may be called if deemed necessary by the Executive Committee.

Section 2. The Conference President shall be chairman of the Executive Committee and shall preside at executive committee meetings, special meetings, and at the business sessions of the annual meeting.

Section 3. The President elect shall perform the duties of the President in the event the President is unable to perform. In the absence of both the President and President elect, the Vice President shall be the presiding officer.

Section 4. In addition to the nominating committee provided for in Article V. of the Constitution, the President is empowered to appoint such additional committees as may be required to serve the best interests of the Conference and to fulfill its objectives.

Section 5. The Secretary Treasurer, subject to the direction of the Executive Committee, shall collect all dues and revenues of the Conference, pay all bills against the Conference, and maintain a membership roster and all necessary financial records. The Secretary Treasurer shall present a report at the annual meeting on all receipts, expenditures and debts of the Conference. In addition, it shall be the duty of this office to maintain a record of all activities of the Conference.

ARTICLE VII. AFFILIATION

Section 1. The Executive Committee of the Conference is authorized to approve affiliation with other local and national organizations, associations, etc., whose interests and objectives are compatible with those of the Conference. The purpose of such affiliation is to serve the best interests of both organizations. Officers of the Conference may also serve as officers of the affiliated organizations.

Section 2. It is hereby declared that nothing in the Constitution of the North Dakota Water and Pollution Control Conference or its Bylaws is intended to be in conflict with the constitution and bylaws of an affiliated organization.

ARTICLE VIII. AMENDMENTS

Section 1. Amendments to these Bylaws may be proposed by the Executive Committee or by petition to the Committee by ten (10) or more Active Members. Upon instructions by the Executive Committee, the Secretary shall mail notices and the text of the proposed amendments to each member of the Conference at least thirty (30) days before it is voted on. A two thirds majority vote by members present at the annual meeting is required for passage. The Executive Committee may, at their discretion and if time is of essence, call for a mail vote. If this option is taken, the above mailing of notice requirements applies and a two thirds majority vote is required for passage of the proposed amendment(s). The Executive Committee shall, on a mail ballot, designate the date when ballots must be returned. The date shall not be sooner than thirty five (35) days from the date of mailing of the notices and text of the amendments.

We, the undersigned, verify that this is an exact and true copy of the North Dakota Water and Pollution Control Conference's Constitution and Bylaws.

Dated this 24th day of October, 2013

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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
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North Dakota Water Environment
Association

ND WARN

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Vadnais Heights, MN 55110
701-219-3976

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New Prague, MN 56071
952-758-9445

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9350 County Rd 19
Loretto, MN 55357
763-478-2027

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Jamestown, ND 58401
701-252-0234

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701-282-4692

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

S. Roberts Company
17575 Bearpath Tr
Eden Prairie, MN 55347
952-949-2655

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

Veit & Company, Inc.
14000 Veit Place
Rogers, MN 55374
763-428-2242

Engineering America
647 Hale Ave N
Oakdale, MN 55128
651-777-4041

EJ Iron Works
3538 Rudolph Rd
Eau Claire, WI 54701
715-271-9014

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

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

RMB Environmental Laboratories
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Detroit Lakes, MN 56501
218-846-1465

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Fargo, ND 58102
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Pewaukee, WI 53072
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The North Dakota chapter of the American Water Works Association (NDAWWA) conducts the Drinking Water Taste Test during the North Dakota Water and Pollution Control Conference every year. Past winners include Mayville (2012), Fargo (2011), Mayville (2010), Valley City (2009) and Grand Forks (2008).

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NDWPCC 2013 Resolutions

RESOLUTION

WHEREAS, the city of Grand Forks 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, the North Dakota Section of the American Water Works Association, and the North Dakota Chapter of the North American Stormwater and Erosion Control 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 85th Annual Conference of the North Dakota Water and Pollution Control Conference, the 54th Annual Conference of the North Dakota Water Environment Association, the 58th Annual Conference of the North Dakota Chapter of the American Public Works Association, the 23rd Annual Conference of the North Dakota Section of the American Water Works Association, and the 1st Annual Conference of the North Dakota Chapter of the North American Stormwater and Erosion Control Association here assembled, do express their heartfelt thanks and appreciation to the following individuals who have contributed toward making the Joint Meeting a success:

Hazel Sletten
Dave Kresel
Joe Ferguson
Cheryl Ramberg
Meredith Quinn

Deb Stewart
Dave Kratochvil
Don Tucker
Nicole Blair

Dated at Grand Forks, North Dakota, this 24th day of October 2013.

Secretary/Treasurer
Mike Brisben



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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 85th Annual Conference of the North Dakota Water and Pollution Control Conference, the 54th Annual Conference of the North Dakota Water Environment Association, the 58th Annual Conference of the North Dakota Chapter of the American Public Works Association, the 23rd Annual Conference of the North Dakota Section of American Water Works Association, and the 1st Annual Conference of the North Dakota Chapter of the North American Stormwater and Erosion Control 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 Grand Forks, North Dakota, this 24th day of October 2013.

Secretary/Treasurer
Mike Brisben

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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 85th Annual Conference of the North Dakota Water and Pollution Control Conference, the 54th Annual Conference of the North Dakota Water Environment Association, the 58th Annual Conference of the North Dakota Chapter of the American Public Works Association, the 23rd Annual Conference of the North Dakota Section of the American Water Works Association, and the 1st Annual Conference of the North Dakota Chapter of the North American Stormwater and Erosion Control 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 Grand Forks, North Dakota, this 24th day of October 2013.

Secretary/Treasurer
Mike Brisben

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

NDWPCC



Upcoming Conference Dates:

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

2015 - Bismarck, October 6, 7 and 8
Ramkota Hotel

2016-- Minot, October 11, 12, and 13
Grand International Inn

RESOLUTION

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

NOW, THEREFORE, BE IT RESOLVED that the 85th Annual Conference of the North Dakota Water and Pollution Control Conference, the 54th Annual Conference of the North Dakota Water Environment Association, the 58th Annual Conference of the North Dakota Chapter of the American Public Works Association, the 23rd Annual Conference of the North Dakota Section of the American Water Works Association, and the 1st Annual Conference of the North Dakota Chapter of the North American Stormwater and Erosion Control Association here assembled, do express their heartfelt thanks and appreciation to Jeff and that the Secretary be instructed to forward to him a copy of this Resolution.

Dated at Grand Forks, North Dakota, this 24th day of October 2013.

Secretary/Treasurer
Mike Brisben

RESOLUTION

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

Douglas Neibauer of South Central Rural Water District

NOW, THEREFORE, BE IT RESOLVED that the 85th Annual North Dakota Water and Pollution Control Conference, here assembled does express its deepest sympathy to the family and that the Secretary be instructed to forward a copy of this Resolution to them.

Dated at Grand Forks, North Dakota, this 24th day of October 2013.

Secretary/Treasurer
Mike Brisben

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NDWEA 54th Annual Meeting Minutes

October 24, 2013

The North Dakota Water Environment Association (NDWEA) held its annual business meeting on Thursday, October 24, 2013 at the Alerus Center in Grand Forks, North Dakota. President Wei Lin called the meeting to order; 148 people were present at the 12:00 p.m. business luncheon.

The 2012 NDWEA annual meeting minutes were published in the *Official Bulletin*. President Lin asked if there were any objections to dispensing with the reading of the minutes. There were no objections. Keith Demke made a motion to dispense with the reading and approve the minutes as published. Mel Bullinger seconded the motion, and the motion passed.

Bill Gefroh was called upon by President Lin to present the Secretary-Treasurer's report. As of September 30, 2013, the NDWEA has a general fund balance of \$5,469.04. An increase of \$615.24 from Sept. 30, 2012. The NDWEA membership is at 125; last year at this time it was 128. Steve Burian made a motion to approve the Treasurer's report. Tom Welle seconded the motion, and the motion passed.

The NDWEA promotes education of the water environment. Expenditures are aimed at environmental activities that promote water and wastewater education, pollution prevention, resource recovery, preservation and conservation. In 2013, the NDWEA contributed monetary support to:

1. The North Dakota State Science & Engineering Fair by providing two award checks for \$75, two award plaques, and \$617.80 for the cost of the airline ticket for the state winner Gage Metzen to participate at the national Stockholm Junior Water Prize Competition.
2. The Student Chapter at the North Dakota State University (NDSU) in Fargo and the University of North Dakota (UND) in Grand Forks for their activities fund in the amount of \$500 to help with the expenses that occur with their participation in the student design competition at the Water Environment Federation Technical Exhibition and Conference (WEFTEC).
3. The Gateway to Science Center in Bismarck, Environmental Festival, \$250.
4. The River Keepers in Fargo, Environmental Festival, \$250.
5. The Water Environment Research Foundation (WERF), \$100.

6. The best poster in the wastewater track at the 2013 ND Water & Pollution Control Conference, \$100. The winner was Dhriti Roy from NDSU. The poster was based on her doctoral research work investigating the presence of ammonia oxidizing Archea in trickling filters at the City of Fargo's wastewater treatment plant and moving bed biofilm reactor at the City of Moorhead's wastewater treatment plant. Awards presented by the NDWEA in 2013 were Water Environment Federation (WEF) Hatfield Award to Don Tucker from Grand Forks, the WEF Bedell Award to Wei Lin from NDSU and the WEF Delegate-at-Large plaque to Eric Dodds from Moorhead.

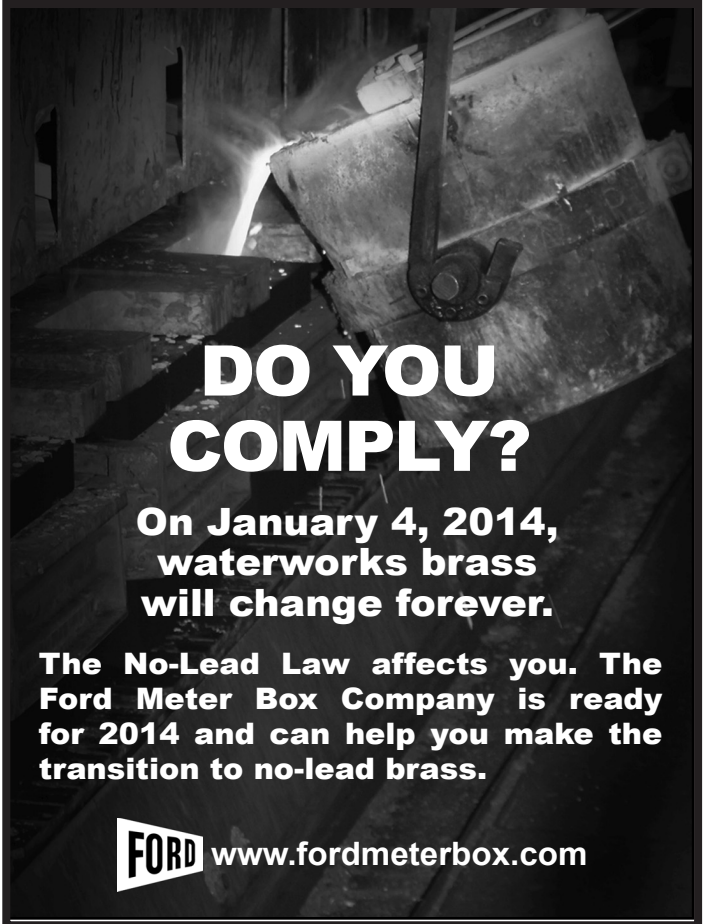
President Lin introduced the guest speaker, Mr. Rick Warner, the WEF Treasurer. Mr. Warner said North Dakota was fortunate to have such great leadership. He talked about the amazing efforts, meritorious work and education provided by Wei Lin, the NDSU Student Chapter Advisor. Mr. Lin helped the NDSU Student Chapter send 14 students to Chicago, Ill. to attend WEFTEC 2013. Many of these NDSU students participated in the WEFTEC student design competition, placing third this year. Mr. Warner spoke about the value of water, the storm water congress, building collaboration and partnerships, the future of water utilities, WEF's connection with students, WEF as a global leader, WEF working with the Water Environment Research Foundation to help with innovation in the water industry, guidance in energy efficiency and energy recovery. WEF's purpose is to help with leadership, innovation and knowledge, and to protect public health. In closing, Mr. Warner acknowledged and thanked the NDWEA, the ND American Water Works Association, the ND American Public Works Association and the many consultants engineers, and companies for supporting students, and providing them with guidance and financial support. The success of the NDSU and UND student chapter are due to this.

President Lin called upon Karla Olson from the Nomination Committee to present the NDWEA nominations. The Nominating Committee members were Don Tucker, Eric Dodds and Karla Olson. Ms. Olson reported that the Nomination Committee has two nominations for the incoming NDWEA Vice President--Dustin Dale and Gary Zuroff. There were no nominations from the floor. The majority of the NDWEA members cast their votes for Gary Zuroff. After the ballot voting for Vice President, Ms. Olson nominated the following NDWEA slate of officers for 2013/2014:

President: Jessica Wagner
President-Elect: Karl Rockeman
Vice President: Gary Zuroff
Secretary-Treasurer: Bill Gefroh
Delegate: Karla Olson, 1st year of three-year term
Professional Wastewater Operations: Don Wald, 1st year of three-year term
Past President: Karla Olson
Past President: Don Tucker
Past President: Wei Lin
Seth Lynne moved that the nominations be closed and a unanimous ballot be cast for the nominated slate of announced officers. Tom Welle seconded the motion, and the motion passed.

At this time, President Jessica Wagner became the Chief Officer of the NDWEA. Since she was not able to attend the meeting, Past President Don Tucker presented Wei Lin with the President's Service Award. With no further business, Mr. Tucker asked for a motion to adjourn. Steve Burian made a motion to adjourn. Mark Blonigen seconded the motion, and Mr. Tucker adjourned the meeting.

Respectfully submitted,
Bill Gefroh
Secretary-Treasurer



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Kenneth J. Miller Founders' Award Recipient

Mel Bullinger, City of Bismarck, was presented the Kenneth J. Miller Founders' Award at the ACE meeting and recognized at the 85th NDWPCC in Grand Forks in October.

Mel obtained his Bachelor of Science degree in Civil Engineering from NDSU in 1975 and became employed with the City of Bismarck Engineering Department. In 1979, he entered graduate school at Iowa State University, obtaining his Master of Science degree in Transportation Engineering in 1980. After a four-year term of employment with the Wyoming Department of Transportation in the early 1980s, he returned to the City of Bismarck Engineering Department in 1985 in the position of Sanitary Engineer. In 1993, he was appointed to his current position of City Engineer.

Mel has been an active AWWA member since 1985 and previously served several years as the Chair of the Education Committee. In 1994, he was elected to the Board of Trustees for the North Dakota Section of AWWA and served as the Chair of the Board of Trustees in 1999. He also served in the position of State Director representing the interests of the North Dakota Section of

AWWA at the national level from 2000-2003. He currently serves on the North Dakota Section of AWWA Water For People Committee.

Mel is a registered professional engineer in the states of North Dakota and Wyoming. In addition to membership in AWWA, Mel is also a member of the Water Environment Federation, the American Public Works Association, the National Society of Professional Engineers, and a charter member of the Central Dacotah Section of the American Society of Highway Engineers. Mel has also been a dedicated member for the Water for the People Program.



Charlie Anderson of the AWWA (right) congratulates Mel Bullinger.

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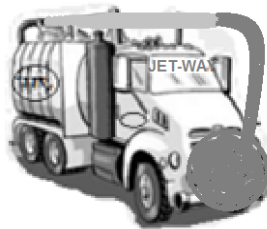
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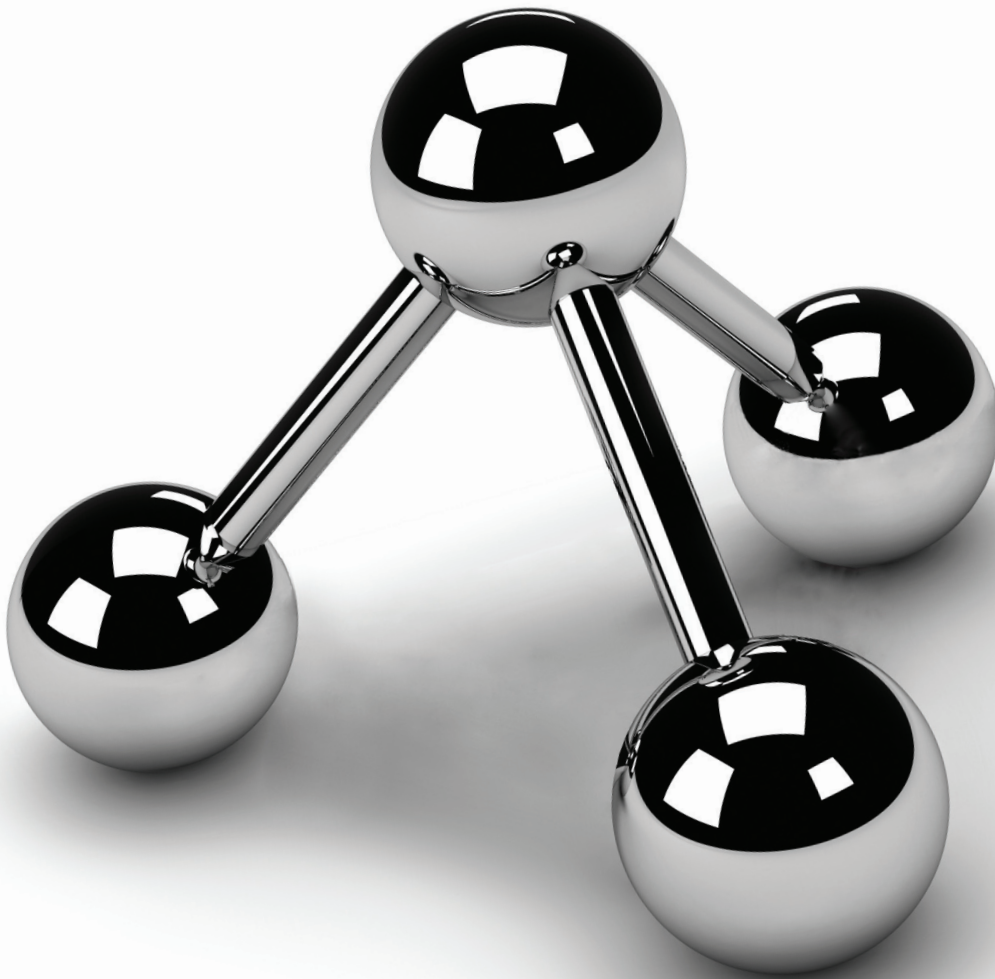
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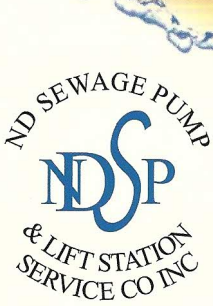
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Arthur Sidney Bedell Award Winner

Congratulations Wei Lin!



Rick Warner of WEF (right) congratulates Wei Lin.

Mr. Lin is an active member at the national level with the Water Environment Federation (WEF) and at the state level with the North Dakota Water Environment Association (NDWEA). He is an active member of many organizations. He has written several publications while working at the North Dakota State University (NDSU), made presentations at the WEF Technical Exposition Conference, and he has given numerous presentations at the ND Water and Pollution Control Conference. In 2013, he was the NDWEA President. He currently works at NDSU as Associate Professor in the Civil Engineering Department.

William D. Hatfield Award Winner

Congratulations Don Tucker!



Rick Warner of WEF (right) congratulates Don Tucker.

Mr. Tucker has given numerous presentations at the North Dakota Water and Pollution Control Conference on topics including wastewater treatment and collections, computer modeling, and EPA energy star rating of municipal facilities. At the Grand Forks Wastewater Plant he offers operators numerous training opportunities and he has provided on-site hands-on training to other facility operators at the Grand Forks Wastewater Plant. He was the ND Water Environment Association President in 2012. He is the current Wastewater Plant Superintendent for the City of Grand Forks.

George Warren Fuller Award Winner

Congratulations Brett Jochim!



Charlie Anderson congratulates (left) Brett Jochim.

Brett Jochim is the 2013 recipient of the American Water Works Association's (AWWA) George Warren Fuller Award. Brett works as Chief Operating Officer for AE₂S in Bismarck, North Dakota. The award is presented annually to an AWWA member for his/her distinguished service to the water supply field in commemoration of the sound engineering skill and constructive leadership which characterized the life of George Warren Fuller. Brett is currently serving on the Water Utility Council and has spent the last several years as Council Chairman. He also served as a member of the North Dakota Section Board of Trustees and served as section chair in 2007 to 2008.

NDAWWA Poster Competition Winner

Congratulations Adam Zach!



Meredith Quinn (right) congratulates Adam Zach.

AE₂S Engineer Adam Zach has won the North Dakota American Water Works Association (NDAWWA) Poster Competition.

He is part of a team of engineers working with City of Grand Forks personnel to select the best treatment train for the future Grand Forks Water Treatment Plant. In 2012, drought-like conditions and Devils Lake impacts in the region significantly changed the water quality entering the Grand Forks water treatment plant. New peak levels of hardness, sulfate, and bromide in the source water may require membrane treatment that was not previously considered in the design. Zach's poster presented the results of a membrane pilot study at the water treatment plant that included plate settlers, followed by ultrafiltration (UF) membranes, and then reverse osmosis (RO) membranes. The poster showed membrane performance results, unique findings that membrane manufacturers hadn't seen anywhere but in Grand Forks, and a treatment technology evaluation for the new proposed treatment train for the City of Grand Forks as a result of the study. With this pilot study, the City of Grand Forks believes it is more prepared than ever as it works to design, construct, and operate the future water treatment plant.

Each year, the top poster winner receives free registration for the AWWA Annual Conference and Exposition (ACE) from AWWA, as well as travel expenses. At ACE, the North Dakota poster winner will compete in the AWWA poster competition.

Originally from Dickinson, N.D., Zach holds a Masters Degree in Civil Engineering with Environmental Emphasis and a Bachelors Degree in Civil Engineering from the University of North Dakota (UND). He is currently in pursuit of his Professional Engineering license.

WEF Delegate Service Award

Congratulations Eric Dodds!



Rick Warner of WEF (right) congratulates Eric Dodds.

Eric Dodds - Water Environment Federation Delegate Service Award

Eric has been a very active member at the national level with the Water Environment Federation (WEF) and at the state level with the North Dakota Water Environment Association (NDWEA). Eric is a Past Chair of the WEF Students and Young Professionals Committee and Student Affairs Committee and a Past WEF Delegate. He is a Past President of the NDWEA and is active with the North Dakota State University (NDSU) and University of North Dakota (UND) student chapters. Eric is a leader among the new generation of water environmental professionals, providing education and mentoring to young professionals and students at NDSU and UND. He has provided great support and guidance to the NDWEA and UND student chapters. Currently, Eric works for Advanced Engineering and Environmental Services as the Operational Manager at the Fargo and Moorhead offices.

A business card for S. Roberts Co. The top half features the company logo, which consists of a stylized water drop with a grid pattern inside, and the text "S. Roberts Co. Providing Cleantech Water Solutions". Below this, there is a wavy line representing water. The bottom half of the card contains contact information for Steve Roberts, President, including email, office, cell, eFax, and web addresses.

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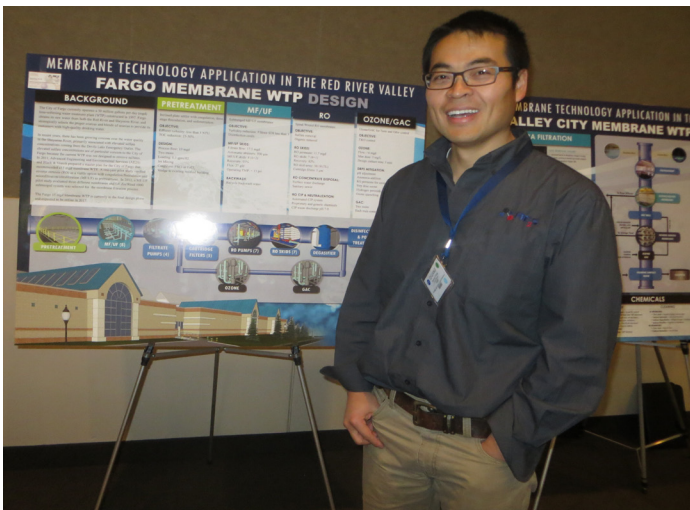
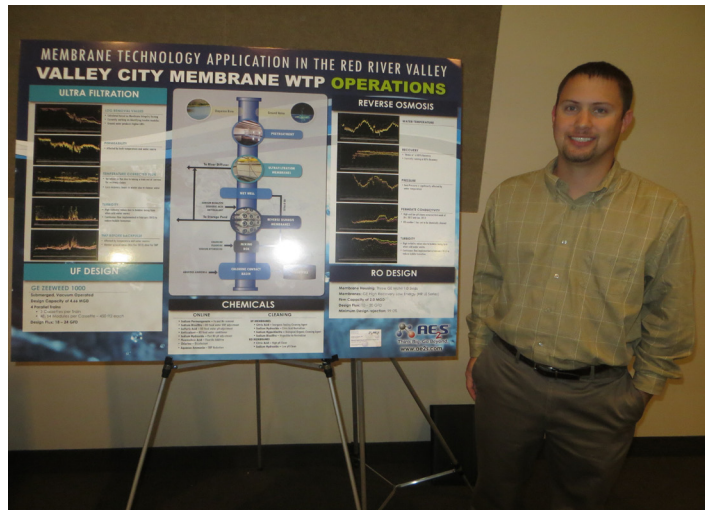
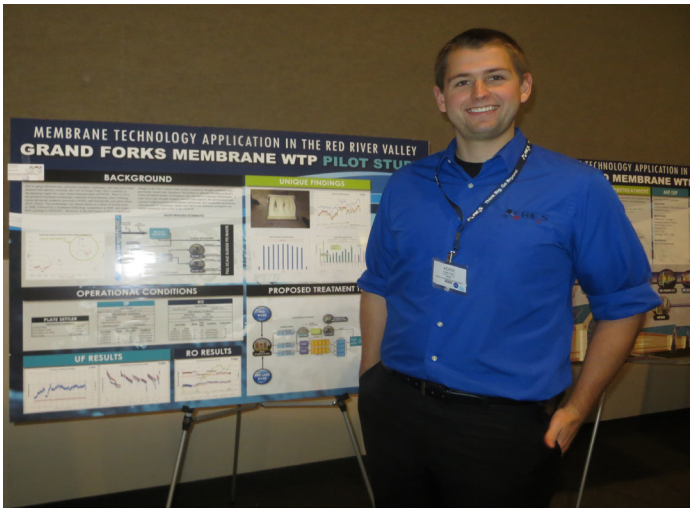
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Drinking Water Program Directory		
Program Administrator	Greg Wavra	701-328-5257
Acrylamide and Epichlorohydrin Rule	Gary Stefanovsky	701-328-5287
Arsenic Rule	Gwen Niksic	701-328-5258
Consumer Confidence Reports	LeeAnn Tillotson	701-328-5293
Disinfectant/Disinfection Byproducts Rule (TTHM, HAA5) Stage 1 and Stage 2 Rule	Lydia Fewless	701-328-5221
Electronic Reporting Information System (ERIS)	Barrett Brown	701-328-5209
Filter and Backwash Recycle Rule	Gary Stefanovsky	701-328-5287
Fluoride Addition	Gwen Niksic	701-328-5258
Groundwater Rule	Gary Stefanovsky	701-328-5287
Inspections: Northeast	Gregg Stewart	701-328-6621
Inspections: Northwest	Justin Feld	701-328-6624
Inspections: Southeast	Shawn Heinle	701-328-6627
Inspections: Southwest	Bob Markhouse	701-328-6623
Inspections: Northwest	Mike Trythall	701-328-5269
Lead and Copper Rule	Gwen Niksic	701-328-5258
Surface Water Treatment Rule: Interim Enhanced, Long Term 1 Enhanced, Long Term 2 Enhanced	Mike Trythall	701-328-5269
Microscopic Particulate Analysis (MPA)	Gary Stefanovsky	701-328-5287
Nitrate/Nitrite Program	Gwen Niksic	701-328-5258
Operator Certification	Craig Bartholomay	701-328-6626
Operator Expense Reimbursement/Public Notice Rule	LeeAnn Tillotson	701-328-5293
Operator Training	Mike Brisben	701-328-6622
Pesticides (SOCs)	Lydia Fewless	701-328-5221
Primary and Secondary Inorganics	Lydia Fewless	701-328-5221
Public Water System Updates (changes to source, treatment, contact, etc.)	Tammy Lamphear	701-328-5295
Radionuclide Rule: Gross Alpha, Total Radium, Uranium	Lydia Fewless	701-328-5221
Total Coliform Rule	Jeni Walsh	701-328-5231
Unregulated Contaminant Monitoring	LeeAnn Tillotson	701-328-5293
Volatile Organic Chemicals (VOCs)	Lydia Fewless	701-328-5221
Central Phone: 701-328-5211		Fax: 701-328-5200
North Dakota Pollutant Discharge Elimination System Program Directory		
Program Administrator	Karl Rockeman	701-328-5225
Animal Feeding Operations	Brady Espe Jeremy Lang	701-328-5228 701-328-5219
Biosolids	Marty Haroldson Karl Rockeman	701-328-5234 701-328-5225
Construction Stormwater	Dallas Grossman Luci Snowden Patrick Schuett	701-328-5242 701-328-5239 701-328-5235
Dewatering and Hydrostatic Testing	Sarah Waldron Marty Haroldson	701-328-5237 701-328-5234
Discharge Monitoring Reports (DMRs)	All Staff	701-328-5210
DMR Quality Assurance (QA) Study	Marty Haroldson	701-328-5234
Industrial Pretreatment	Jeff Roerick	701-328-5240
Industrial Stormwater	Dallas Grossman Luci Snowden Patrick Schuett	701-328-5242 701-328-5239 701-328-5235
Inspections	All Staff	701-328-5210
Lagoon Overflows/Releases/Spills	All Staff	701-328-5210
MS4 Stormwater	Dallas Grossman Luci Snowden Patrick Schuett	701-328-5242 701-328-5239 701-328-5235
Public Notices/NDPDES Permits	Curt Steier	701-328-5260
Septic Pumper	Sarah Waldron Marty Haroldson	701-328-5237 701-328-5234
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