North Dakota Water and Pollution Control Conference

NDWPCC

OFFICIAL BULLETIN

VOLUME 103 JULY - SEPTEMBER 2015 NUMBERS 7-9

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City of Mandan
City of Bismarck

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

OFFICIAL BULLETIN

Official Publication of the North Dakota Water and Pollution Control Conference

Conference Issue **Established 1935**

VOL. 103 **July-Sepember 2015** **NOS. 7-9**

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PRESIDENT-ELECT - Seth Lynne
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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.

On the cover: North Dakota State Capitol Building

To receive the *Official Bulletin* electronically or to no longer receive a paper copy, email Jacob Schafer at jrschafer@nd.gov, or call 701-328-6375.

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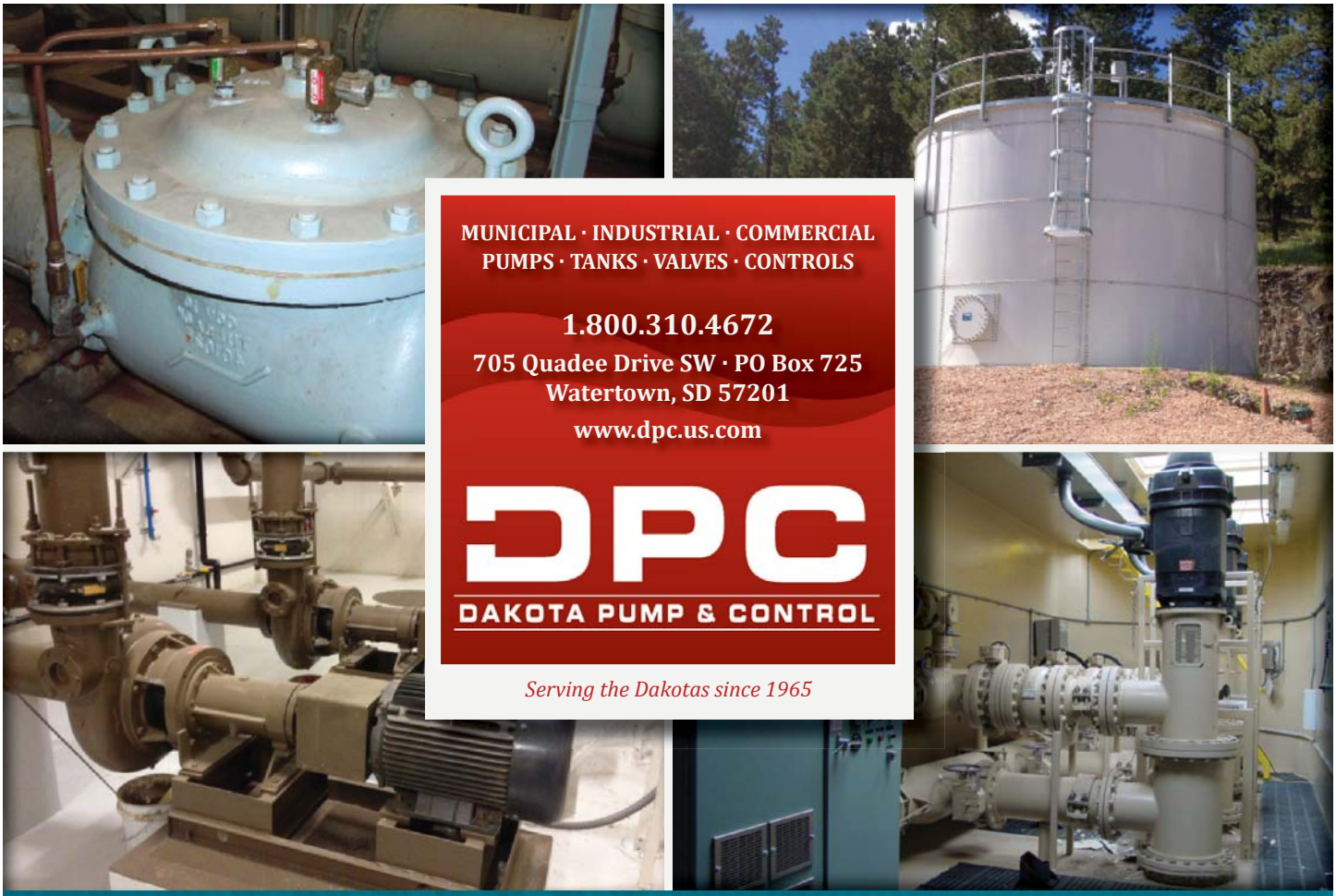

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2015 ANNUAL CONFERENCE ACTIVITIES

SMALL SYSTEM OPERATOR TRAINING

Monday 8:00 a.m. - 5:00 p.m.
Environmental Training Center
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REGISTRATION

Tuesday 8:00 a.m. - 5:00 p.m.
Wednesday 8:00 a.m. - 5:00 p.m.
Thursday 8:00 a.m. - 10:00 a.m.
Entrance Dakota Ballroom

MEALS

Tuesday Lunch 11:30 a.m.
Courtyard

Tuesday Buffet 5:00 p.m. - 7:00 p.m.
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Wednesday Free Buffet Breakfast 8:00 a.m. - 10:00 a.m.
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Wednesday Lunch 12:00 noon
Courtyard

Wednesday Social 5:30 p.m.
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Wednesday Banquet 6:30 p.m.
Dakota Ballroom

Thursday Lunch 12:00 noon
Courtyard

GOLF TOURNAMENT

Tuesday 1:00 p.m.
Prairie West Golf Club
2709 Longspur Trail
Mandan, ND

FIELD TRIPS

Tuesday 2:00 p.m.
Bismarck/ Mandan Municipal Facilities

Thursday 2:00 p.m.
Bismarck/Mandan Municipal Facilities

WATER AND WASTEWATER OPERATOR CERTIFICATION EXAMINATIONS

Tuesday 7:30 a.m. - 11:30 a.m.
Heart Room

pH CERTIFICATION

Tuesday 9:00 a.m. - 11:00 a.m.
Environmental Training Center
2639 E Main Ave

YP POSTER COMPETITION

Wednesday 8:30 a.m. – 10:30 a.m.
Entrance Dakota Ballroom

TABLETOP DISPLAY PROGRAM

Dakota Ballroom

Tuesday 8:00 a.m. - 5:00 p.m.
Check in at the Registration Desk

Tuesday 7:00 p.m. - 9:00 p.m.
Setup Time

Wednesday 7:00 a.m. - 7:30 a.m.
Last Chance Setup Time

Wednesday 7:30 a.m. to 11:30 a.m.
Display Hours

Wednesday 1:30 p.m. to 3:30 p.m.
Takedown Time

STUDENT AND YOUNG PROFESSIONALS RECEPTION

Tuesday 7:00 p.m. - 9:00 p.m.

TBD

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President's Letter

by Dan Jonasson, President - North Dakota Water and Pollution Control Conference

Dear Conference Members and Friends:

Please make sure to mark your calendar and plan to attend the 87th annual convention of the North Dakota Water and Pollution Control Conference, 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 on October 6, 7 and 8, 2015 in Bismarck, ND.

The conference is a great opportunity to converse with friends and colleges and share thoughts on the daunting tasks of maintaining old as well as ever expanding new infrastructure throughout the state. It is also a chance to recognize our peers for their outstanding service and dedication to the industry.

This years conference once again promises to provide many interesting and informative presentations on various types of infrastructure we are tasked with maintaining throughout the state.

In addition, I hope you will sign up for the tours the Bismarck staff has arranged and take time to enjoy the many social activities throughout the conference.

See you in Bismarck!!

Sincerely,
Dan Jonasson, President
North Dakota Water and Pollution Control Conference.

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NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE
87TH ANNUAL CONFERENCE

NORTH DAKOTA CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION
60TH ANNUAL CONFERENCE

NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION
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City of Mandan Improvements

by: Justin Froseth, City of Mandan

It's been busy at the city of Mandan recently, both with ongoing improvement projects, and also planning for projects to come in the future. Improvements have been needed to address some aging components, to prepare for capacity increases with population growth, and to be proactive in addressing possible issues that may come down the road.

Water Treatment Facility Optimization Project

The city recently completed a Water Treatment Facility Optimization project that called for improvements to components that needed updating in various locations throughout the facility. The plant #1 recarbonation basin was patched and relined to shore up some leaks that had been observed. Media filter improvements were necessary such as the replacement of drain, rewash, and isolation valves along with the coating of those valves and the steel center platform. Miscellaneous areas of structural improvements were conducted including storage rooms and safety upgrades to the lime silo. The most extensive work was done within the pretreatment basin. The existing equipment had been in service for about 30 years in a relatively stressful environment. The improvements to the 66' wide basin included a new scraper bearing and rake replacement, coating throughout the basin, settling tube replacement, and structural improvements to the catwalk. The construction cost of this project was about $1.1M. The project team consisted of AE2S for design and construction engineering services as well as PKG Contracting, Inc. and Edling Electric, Inc. for the general and the electrical contract respectively. The NDDH is also a partner as a DWSRF loan was obtained as a source of funding for this project.

Wastewater Treatment Facility Optimization Project

The city is also currently about half way into construction of a Wastewater Treatment Facility Optimization project. As was the case for the Water Treatment Facility, this project was initiated to address areas throughout the facility in need of improvements. The most extensive improvement made as part of this project includes an overhaul of the pretreatment building and all of the components within. The pretreatment building will be gutted, get all new coatings, and then receive new mechanical and electrical systems as well as processing equipment. North of the pretreatment building is where new odor control elements are currently being installed. This includes an all new scrubber and media filter system working in series to reduce odors emitting from the facility. New UV disinfection equipment was installed to take advantage in the latest UV technology. The city advertised for bids to supply the equipment and went with Trojan Technologies (Trojan 3000 Plus) system after evaluating a 20 year lifespan of the equipment compared to another. That equipment has been in place since March and is working well. Other notable items of this project include new blowers in the blower building for the aeration pond, yard piping for better control of the wastewater movement once it enters the site, and mixers for the sludge ponds to more efficiently handle the sludge. The mixers have been in place since late last year and have produced encouraging early results. The total construction amount is under contract for about $3.5M. The project team consists of AE2S for design and construction engineering services as well as Swanberg Construction, Inc., Central Mechanical, and Edling Electric, Inc. for the general, mechanical, and electrical contracts respectively. The city partnered with the NDDH for CWSRF funding on this project as well. (Refer to pic #1)

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Raw Water Intake

A significant project that the city is actively planning for is to relocate our Water Treatement Facility's raw water intake. Because of the Missouri River's channel migration away from our current intake, the city has had to occasionally dredge out the accumulating silt in order to open the intake up to efficiently draw the water in for processing. This problem had been slowly but steadily growing for about fifteen years, then the flood of 2011 came which temporarily assisted the facility as it cleaned out some of this silt-in problem with the force of the flood waters. It is, however, again a growing concern. With the assistance of AE2S the city has identified a long term solution to alleviate this problem, and that is to move the raw water intake about 3,000' to the south where the channel narrows and stabilizes giving the city some assurance of a dependable long-term source. The preliminary estimate for this project is about $15M. (Refer to pic #2)

Picture 1: Wastewater Treatment Facility Optimization

Picture 2: Raw Water Intake Project

Seasonal Non-Community Public Water System Start-Up Certification

NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF MUNICIPAL FACILITIES
SFN 60775 (6-2015)

The Revised Total Coliform Rule (RTCR) requires all seasonal non-community public water systems to complete a start-up procedure prior to serving water to the public, starting April 1, 2016. The following start-up certification must be completed prior to serving water to the public. No later than 14 days after opening to the public for the season, send this form along with bacteriological sample result (if available) to the address below. Use the comments for further explanation, if needed.

Public Water System (PWS) Name:	PWS Number: (ex: ND1234567)
Operator Name:	Date Water System Opens to the Public:

	Indicate if item was completed.
Did the system conduct a full system inspection? Date?	Yes: ☐ No: ☐
Conduct an integrity check? (pressurize the system and look for leaks and pressure drops) Date?	Yes: ☐ No: ☐
Did the system flush the distribution system? Date?	Yes: ☐ No: ☐
Did the system follow the department start-up checklist? The system should use the department checklist unless a written system specific checklist has been developed.	N/A: ☐ Yes: ☐ No: ☐
Have all operators been trained in the proper operation and maintenance of the water system?	Yes: ☐ No: ☐
Was the system disinfected prior to serving water to customers? Date?	Yes: ☐ No: ☐
Did the system correct all problems found during the system inspection and integrity check? If not, explain in the comments section below.	N/A: ☐ Yes: ☐ No: ☐
Did the system collect a bacteriological sample from the distribution system prior to serving water to the public? Date?	N/A: ☐ Yes: ☐ No: ☐
Comments:	

No later than 14 days after opening for the public for the season, send this form along with sample results (if available) to:	**Division of Municipal Facilities** **918 E. Divide Ave., 3rd Floor** **Bismarck, ND 58501-1947** **Telephone Number 701.328.5211** **Fax Number 701.328.5200** **www.ndhealth.gov**

APWA ND Chapter Executive Committee Meeting
May 19, 2015

by Chuck Abel, APWA ND Chapter

Call to Order by President Lance Meyer at 12:10. Members present: Lance Meyer, Jeff Heintz, Chuck Abel, Erik Gilbertson, and Barry Johnson.

Minutes read by Abel. Motion to approve by Johnson and second by Heintz. Motion approved.

Treasurer's Report by Abel. Motion to approve by Heintz and second by Gilbertson. Motion approved.

Delegate Report by Meyer. Meyer attended Kansas City Delegate Meeting and Leadership Training. Council of Chapters now have subcommittees. Meyer on Leadership Subcommittee to develop app to be user friendly for members.

Regional Director, Chuck Williams, will attend Fall Conference. Meyer to invite APWA President, Larry Stevens, to attend our Conference. Stevens to present 10 to 15 minutes talk at the Conference Banquet.

Meyer to attend APWA Conference in Pheonix, AZ in August/September and also the Delegate Meeting.

There were no Committee Reports.

Old Business:

NDWPC Conference Sessions suggestions were provided by Meyer and Heintz. Send any further suggestions to Meyer. Arrange for presenters for the sessions and provide to Meyer.

Drinking Water Week May 3-9, 2015 was held.

National Public Works Week – May 17-23, 2015. Photo with Governor rescheduled.

New Business:

Project of the Year Awards: None yet received. Abel to provide Meyer with solicitation and list of engineering firms doing business in ND. Meyer to solicit engineering firms and communities for Large and Small Project of the Year already completed projects. Meyer to contact the Executive Committee to vote on selection of award recipients. Plaques to be presented at Conference Banquet by Meyer.

Nomination of 2016 Executive Committee by 2015 President before Conference so nominations are in meeting agenda.

Meyer to send APWA by-law amendments to Executive Committee members to review. Meyer to schedule a conference call meeting of EC members to vote on amendments.

Motion by Abel to grant NDLTAP's request for gift of $2000 in 2015 to support the initiative/outreach to help train and develop small community's leaders in North Dakota. Second by Johnson. Motion approved.

Meeting adjourned by Meyer

Respectfully Submitted,
Chuck Abel

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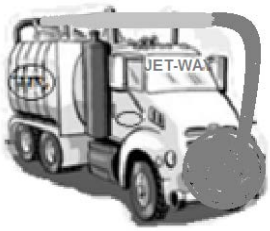

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American Water Works Association National Representative

2015 North Dakota Water and Pollution Control Conference Welcomes Warner Palermo.

Warner Palermo, Vice-President American Water Works Association

Warner Palermo is the President of Integrated Global Solutions in Puerto Rico, a company that serves the environmental industry in the Caribbean and South America. At IGS, Warner oversees the company business development and operational strategy. He began his career joining the US Navy as an avionics specialist. As part of a USN program, he attended Texas A&M, College Station for his BSIE.

His first experience in the industry was working at a refinery in Venezuela under a contract with BP Petroleum. It was at this first post that he learned the details of the water and wastewater world, and where he found his real passion. He then had the opportunity to move back to Puerto Rico as an Operations Supervisor for Crowley Marine Services. At this post, he was in charge of several important oil spills within the Caribbean and the US including a brief assignment in the port of Valdez, Alaska for the Exxon Valdez Oil Spill, at the moment the largest spill in the US.

Warner joined AWWA in 2000 and is extremely involved in the Puerto Rico Water & Environment Association. He has served at the Board level for the past 9 years, 3 of them as Treasurer and 1 as Section Chair. He currently serves as the Section Director for AWWA. He is also the WFP PR President and has actively assisted several small communities in the island and the Caribbean. He is a licensed water and wastewater operator in PR. Warner is an active member of the CWWA, IWA, AMTA and WEF. Warner currently serves on AWWA's Special Presidential Panel and as the liaison with the National YP Committee.

Michael lives in Dorado, Puerto Rico with his lifelong wife Vickie and his son, Jean Michael.

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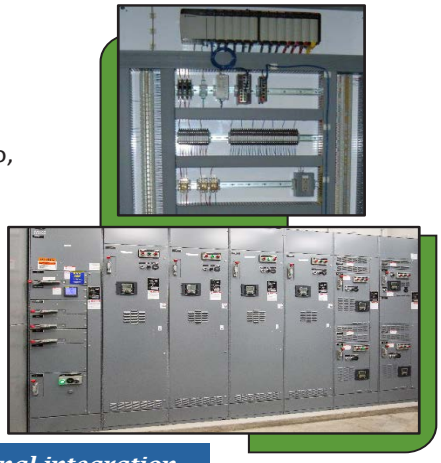

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Water Environment Federation National Representative

2015 North Dakota Water and Pollution Control Conference Welcomes Dr. Eileen O'Neill.

Dr. Eileen O'Neill, Executive Director of the Water Environment Federation

Eileen O'Neill is the Executive Director of the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, Va. Dr. O'Neill was appointed WEF's Executive Director in January 2014. She had previously worked with the Federation for more than 20 years in a variety of positions, including with responsibility for oversight of WEF's technical, international, and communications programs, and served as the organization's chief technical officer before becoming deputy executive director in late 2011.

Before joining WEF she worked as an academic and in environmental consulting in the U.S. and in Europe. She has a BS in Soil Science from the University of Newcastle-upon-Tyne (U.K.) and a Ph.D. in Soil Science from the University of Aberdeen (U.K.) and undertook a postdoctoral traineeship in Environmental Toxicology at the University of Wisconsin at Madison.

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Spring and Fall Discharge: Myth or Reality?

by Robert Markhouse, North Dakota Department of Health

Most wastewater operators are probably familiar with the idea of a spring and fall discharge window. In northern climates it is assumed that there are two transitional and optimal periods for discharging wastewater lagoons (spring and fall). Figure 1 and 2 illustrate this concept.

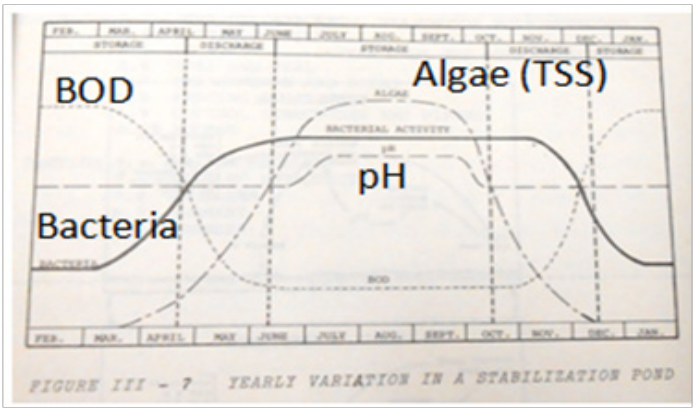

Figure 1

Figure 1 is a picture from a document called "Stabilization Pond Operation and Maintenance Manual", Note 1. The document is over 30 years old. The document states: "These two transition periods that occur in ponds in the northern climate are the basis for design and operations of ponds."

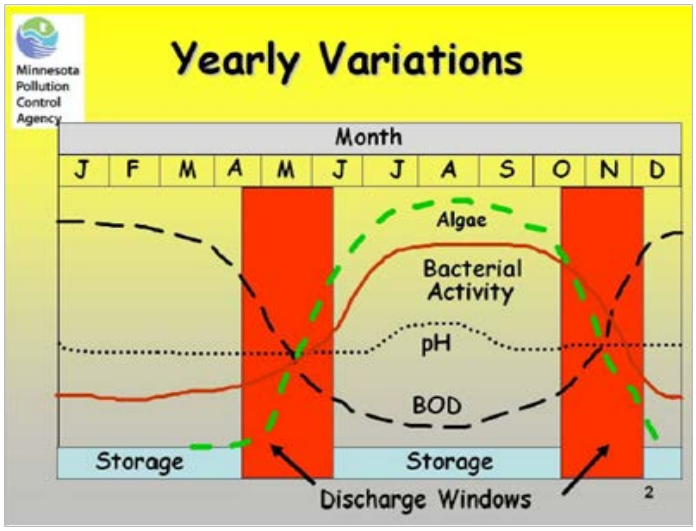

Figure 2

Figure 2 shows a modern version of the diagram from an Environmental Protection Agency publication produced in 2011, Note 2. The second diagram is also from the Minnesota Pollution Control Agency. Both diagrams are interesting in how the biochemical oxygen demand (BOD5) and the algae cross at exactly the same place in the spring and fall with the spring and fall discharge windows as the preferred time to discharge wastewater.

Both figures show that during the spring the BOD5 is falling and the algae is increasing. This suggests that operators would ideally discharge during this window before the algae or Total Suspended Solids (TSS) increases to the point where it becomes a problem (TSS values exceed the permit levels). In the fall the BOD5 levels rise while the TSS decreases. Is this correct? Does North Dakota, a northern climate, have two discharge windows?

Over the last 20 years the Water Quality Division of the North Dakota Health Department has been entering sample wastewater results in their database (currently called the North Dakota Pollution Discharge Elimination System or NDPDES). The system has over 20,000 total sample records dating back to 1975.

	BOD5	Adj BOD5	TSS	pH	NH3 Total
Jan	22.5	22.1	14.7	8.0	18.4
Feb	32.3	32.1	22.6	8.1	34.9
Mar	18.6	18.2	15.8	8.2	15.8
Apr	14.8	14.5	19.4	8.2	19.1
May	13.6	13.2	24.2	8.7	15.0
Jun	11.0	10.4	18.8	8.4	11.9
Jul	10.2	9.7	18.7	8.5	8.3
Aug	10.1	9.5	19.5	8.6	4.1
Sep	9.2	8.5	20.2	8.6	3.6
Oct	9.2	8.4	18.5	8.6	3.9
Nov	9.7	9.1	20.5	8.5	8.4
Dec	13.8	13.3	25.7	8.6	15.1

Table 1

Table 1 and figure 3 show the average monthly value for each of the parameters. The sample results were obtained from Publicly Owned Treatment Works (POTW) over the last two decades. The average was obtained by using a pivot table after placing the records in a spreadsheet.

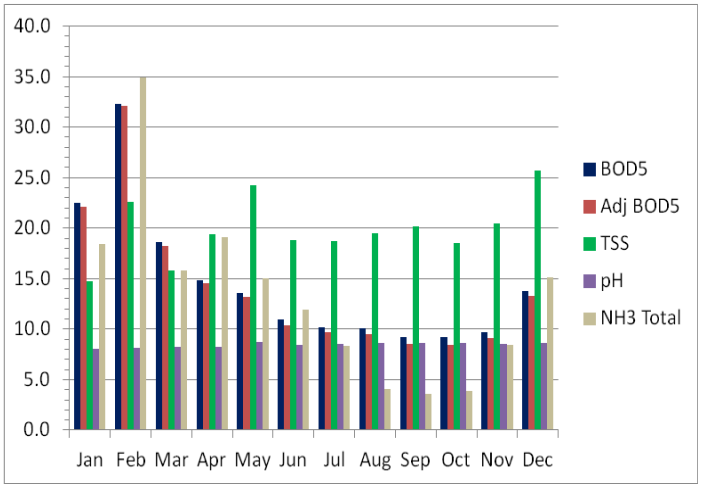

Figure 3

Figure 3 shows that there is a brief window in March where the TSS values are relatively low. This indicates that the algae in the pond are not yet active. Experienced operators are aware of this phenomenon. Over the years this author has been told by a number of operators that they like to sample and discharge their ponds as soon as the ice is off. They know from experience that the algae will grow rapidly in April and May. The algae in some cases will grow to the point that the TSS samples results will exceed the permit limit of 30 mg/L.

The data also shows that the BOD5 values are, on average, below the permit limit of 25 mg/L, Note 3. Wastewater systems that are lightly to moderately loaded should have few issues discharging in the spring. Systems that have high organic loading may be better off discharging in the summer or fall. TSS values during this time are moderate and BOD5 values are at the lowest point.

Overall the chart illustrates that the period from mid-June to the end of October can be a good time to discharge. BOD5 and ammonia (NH3) levels are at their lowest. Values for pH, on the other hand, are relatively constant during the entire year with slightly lower results obtained in March and April.

Operators are best advised to get to know their system to determine the best times to discharge.
Systems that discharge once a year may want to try discharging in the fall instead of the spring if BOD5 sample results are high. The Wisconsin Department of Natural Resources has also reported that the fall may be the best time to discharge. "As algae concentrations significantly decrease in the fall with the onset of colder weather, operators again discharge while effluent BOD5 are low. In fact, October-November discharges often can be of the best quality of the year having received a high level of treatment during the summer."', Note 4.

To help wastewater operators determine the best time to discharge, the department has a report available that lists all of the historical discharge results. The report can be provided as a document or as a spreadsheet. Please see the list of contacts located in the Official Bulletin; Inspectors in Municipal Facilities and staff in the Water Quality Division both have access to the report.

Special thanks to Marty Haroldson for reviewing the article and to Curt Steier for providing the data used in this article.

References and notes

Note 1: Principles of Design and Operations of Wastewater Treatment Pond Systems for Plant Operators, Engineers, and Managers, Page c-22 , EPA/600/R-11/088 | August 2011 | www.epa.gov /nrmrl, Office of Research and Development National Risk Management Research Laboratory - Land Remediation and Pollution Control Division

Note 2: Stabilization Pond Operation and Maintenance Manual, Willard N. Sexauer and Roger V. Karn, Minnesota Pollution Control Agency, Published by National Environmental Training Association, 1982, page 71

Note 3: About 80% of the BOD5 values in the database with a value of a 6 are actually less than 6 mg/L. Laboratories will sometimes limit the testing to cover a certain range based on expected results. For example, the North Dakota State laboratory will run three dilutions for the BOD5 test looking for values from 6 to 210 mg/L. If the result is less than 6 mg/L the analyst reports less than 6 mg/L. The analyst does not run the test again to determine the exact value since the result is well below the typical permitted limit of 25 mg/L. In order to estimate how this impacts the graph, all values that were exactly equal to 6 were replaced with a value of 3.57. The new value was obtained by averaging all known values below 6.0. The actual BOD5 values for each month are likely to fall between the raw value and the adjusted value.

Note 4: Introduction to Ponds, Lagoons, and Natural Systems Study Guide, Wisconsin Department of Natural Resources, Bureau of Science Services, Operator Certification Program, December 2013 Edition, Page 17.

Revised Total Coliform Rule (RTCR) Implementation Update

by Josh Seerup, North Dakota Department of Health

On April 1, 2016, the Safe Drinking Water Act's Revised Total Coliform Rule (RTCR) will take effect. The RTCR will use a 'find-and-fix' approach to reduce the entry of fecal contaminants into public water systems (PWSs).

The North Dakota Department of Health has applied for primary enforcement responsibility (i.e. primacy) from the Environmental Protection Agency (EPA) to enforce the rule at the state level. The Department, along with partners, has been conducting training to help PWSs prepare for the changes that will come with RTCR. Internally the Department has been developing assessment and compliance-tracking protocols.

Sampling Site Plans

The RTCR requires that each PWS develop a written sampling site plan that identifies the system's sample collection schedule and all sampling sites. Mailings were sent out with instructions for how to complete these plans and many PWSs have already sent their plans to the Department. Staff at the Department are reviewing plans to ensure that sites are in areas representative of the water throughout a PWS's distribution system. The Department has been working with systems to make sure their plans are compliant. Approval letters for plans already submitted should be going out soon. All PWSs should have their plans to the Department by December 1, 2015.

Assessments

Under the Total Coliform rule (TCR) currently in effect, PWSs that receive a total coliform maximum contaminant level (MCL) violation must perform public notice and some systems are subject to increased monitoring the month following a positive sample. That will change under RTCR.

Total coliform bacteria in a distribution system, while indicative that contaminants may have a means of entering the system, have minimal public health implications unless fecal coliforms are also present. Because the presence of total coliform bacteria alone poses little threat to public health, the RTCR eliminates the total coliform MCL violation and replaces it with the requirement to conduct a level 1 assessment. A level 1 assessment will also be required if a PWS fails to take any required repeat samples.

Level 1 assessments will be conducted by the PWS to find sanitary defects or existing failures of protective barriers that could allow the entry of microbial contaminants into the system (i.e. find out why there were positive samples). Unlike with TCR, PWSs will stay on their normal sampling schedules the month following a level 1 assessment.

If a PWS triggers two level 1 assessments within a rolling 12-month period then a level 2 assessment will be required in place of the second level 1 assessment. E. coli MCL violations will also trigger level 2 assessments. As with the current TCR, E. coli MCL violations will still require public notice and a boil water advisory. Level 2 assessments will be conducted by the Department, or a party authorized by the Department, in conjunction with the PWS. These assessments will be more in depth than level 1 assessments.

Failure to conduct any required assessment or to correct defects found will result in the issuance of a treatment technique violation and the requirement to perform public notice.

Sample Schedules

Another change with the RTCR is that all PWSs, even those who currently test quarterly, will have to sample monthly.

Under RTCR, PWSs with 1000 or fewer users, and groundwater systems serving 4,900 or fewer people, may collect all their samples on a single day. Other systems must collect their samples at regular intervals throughout the month.

Seasonal Start-Up Procedures

Seasonal PWSs will have to begin conducting state-approved start-procedures under the RTCR. These procedures can include disinfection, flushing, etc. Seasonal systems will need to send the Department a form attesting that start-up procedures were completed; failure to do so will result in the issuance of a treatment technique violation and the requirement to perform public notice.

Documentation

The Department has created forms for start-up procedures

and assessments. These forms will be used by start-up PWS operators or by assessors when doing assessments. An example of the start-up procedure form is included in this issue on page 10.

If you have any questions about the RTCR please contact Jeni Walsh at jwalsh@nd.gov or 701.328-5231 or Josh Seerup at jseerup@nd.gov or 701.328-5257.

RTCR Major Changes:

1) Update sampling site plans.
2) Level 1 and 2 assessments as necessary.
3) Monthly sampling for all.
4) Startup procedures for seasonal systems.

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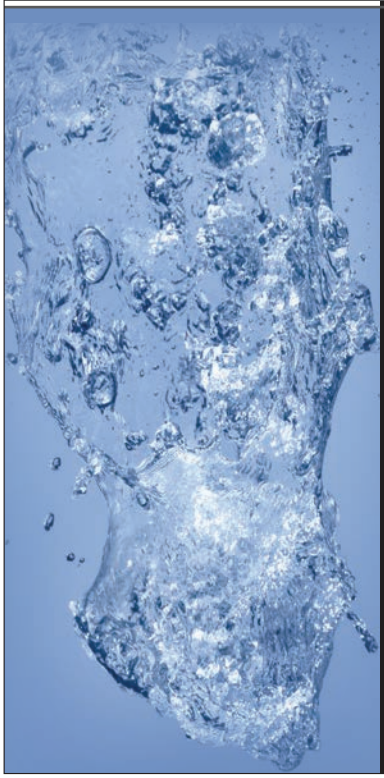

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North Dakota Chapter of the American Public Works Association
North Dakota Water Environment Association
North Dakota Section of the American Water Works Association
North Dakota Chapter of the North American Stormwater and Erosion Control Association
October 6, 7, and 8, 2015, Ramkota Hotel, Bismarck, North Dakota (701) 258-7700

COMPLETE AND RETURN TO:
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A. REGISTRANT INFORMATION
(Use only one name per registration) (Please Print or Type)

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Last Name _____

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Addr. Line 2 _____

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State _____ Zip _____

Job Title _____

Employer _____

Work Phone No. _____

Fax Phone No. _____

Email _____

B. REGISTRATION TYPE

Reg. Fee _____

☐ Package* ($175.00) ☐ Late Package** ($195.00)

☐ Individual ($65.00) ☐ Student ($10.00)

*Packages include reg. fee, banquet, buffet, and luncheons

**Late Package Registration Deadline September 25, 2015

C. INDIVIDUAL MEAL FEES (Included in Package Registration)

Tues. Luncheon ($14.00) _____

Tues. Buffet ($28.00) _____

Wed. Buffet Breakfast (Free) _____

Wed. Luncheon ($13.00) _____

Wed. Evening Banquet ($44.00) _____

Thurs. Luncheon ($16.00) _____

D. GUEST REGISTRATION

First Name _____

Last Name _____

Tues. Luncheon ($14.00) _____

Tues. Buffet ($28.00) _____

Wed. Buffet Breakfast (Free) _____

Wed. Luncheon ($13.00) _____

Wed. Evening Banquet ($44.00) _____

Thurs. Luncheon ($16.00) _____

E. TOTAL PAYMENT DUE:
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F. CHECK ALL THAT APPLY

Yes	No	
☐	☐	Do you qualify as a water treatment or water distribution operator for a system serving 3,300 or less? This will determine eligibility for reimbursement.
☐	☐	Do you plan to participate in the golf tournament? If so, indicate your average score or handicap. _____ The golf course will be charging a green and cart fee.
☐	☐	Are you a young professional 35 or younger?
☐	☐	Do you plan to attend the student/YP reception?
☐	☐	Do you plan to attend the pH certification?

G. WORKSHOP – Small System Operator Training
(Please indicate attendance)

Yes	No	
		Monday
☐	☐	**8:00 a.m. – 5:00 p.m.**

(over)

H. **Bismarck/Mandan Public Facilities Tours**
(Please indicate attendance)

Yes	No	
		Tuesday
		2:00-4:00 p.m.
☐	☐	Bismarck Biomass Boiler, Household Hazardous Waste and Water Treatment Facilities
☐	☐	Mandan Water and Wastewater Facilities
		Thursday
		2:00 – 4:00 p.m.
☐	☐	Bismarck Biomass Boiler, Household Hazardous Waste and Water Treatment Facilities
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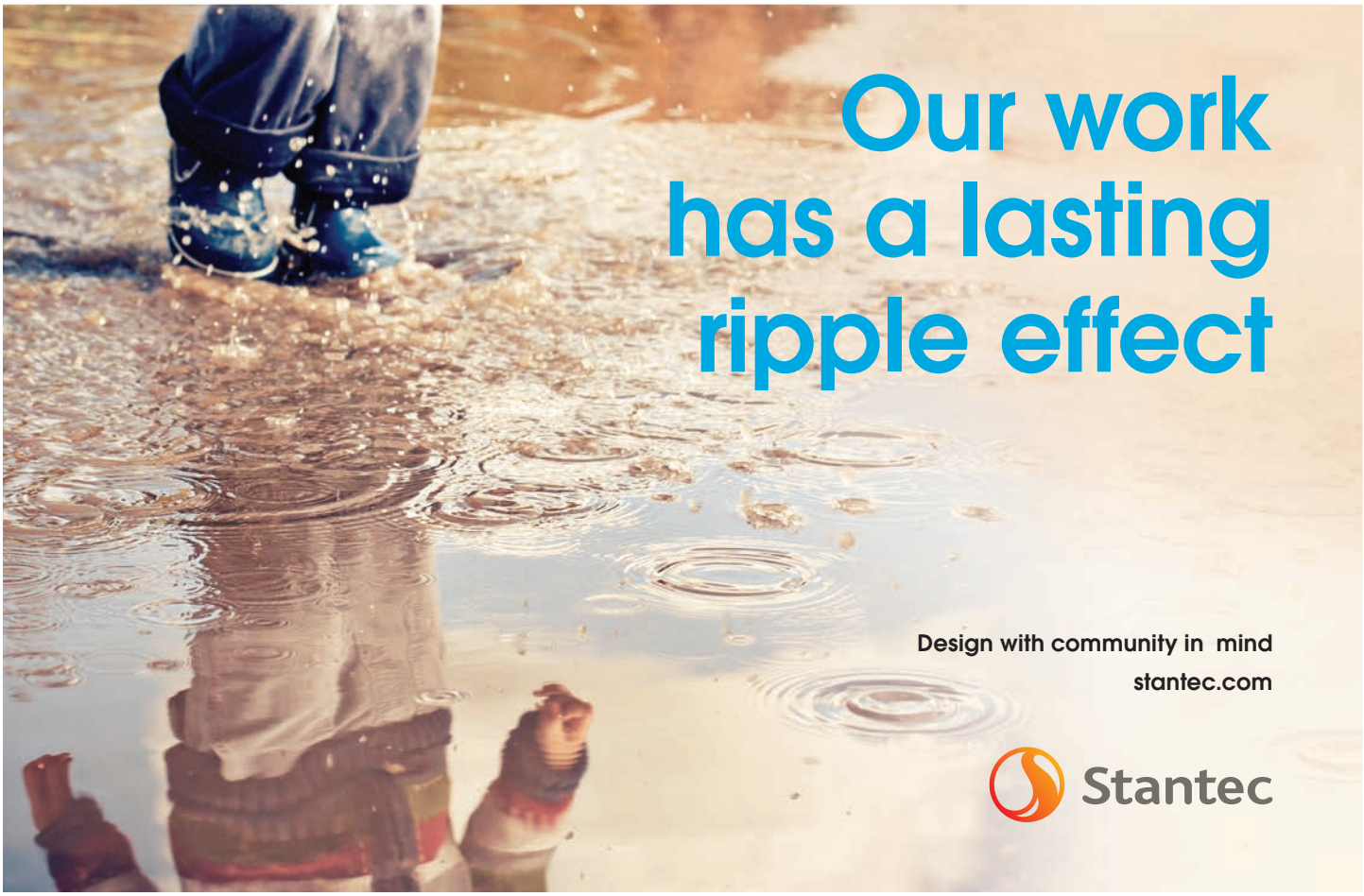

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2015 MEETING SCHEDULE

Monday

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

Tuesday

7:30 a.m. - 11:30 a.m.	**Water and Wastewater Operator Certification Examinations** North Dakota Department of Health Heart Room
7:30 a.m.	**Officers Meeting** NDAWWA Governor's Room
8:00 a.m.	**Officers Meeting** North Dakota Chapter of the American Public Works Association (NDCAPWA) Room 2160
8:00 a.m.	**Officers Meeting** North Dakota Water Environment Association (NDWEA) Room 3130
8:00 a.m.	**Officers Meeting** North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA-ND) Room 3160
9:30 a.m.	**Officers Meeting** Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC), NDCAPWA, NDWEA, NDAWWA, and NASECA-ND Governor's Room
10:30 a.m.	**AWWA Committee Meetings** NDAWWA Governor's Room
11:30 a.m.	**Business Meeting** NDCAPWA Courtyard
1:30 p.m. - 4:30 p.m.	**Concurrent Sessions** Missouri Room

Wednesday

9:00 a.m.	**North Dakota Operator Certification Advisory Committee Meeting** Room 2160

(Over)

12:00 noon	**Business Meeting** NDWEA and NASECA-ND Courtyard
1:30 p.m. - 4:30 p.m.	**Concurrent Sessions** Missouri Room

Thursday

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

FUTURE CONFERENCES

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2017 - Fargo, October 17, 18, and 19, Holiday Inn

2018 - Grand Forks, October 16, 17, and 18, Alerus Center

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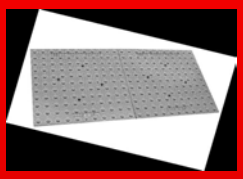

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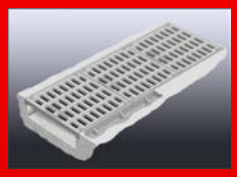

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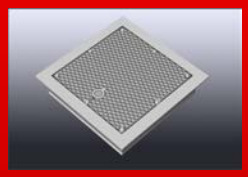

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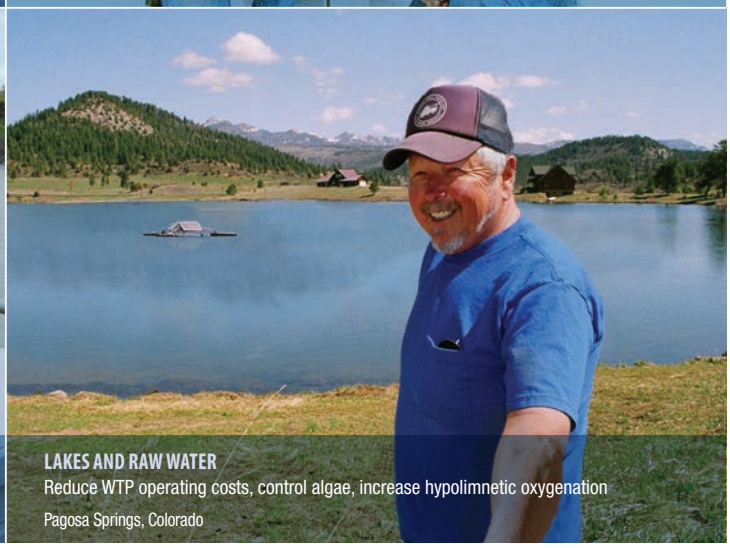

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2012	Minot	Karla Olson	Fargo
2011	Bismarck	Chuck Abel	Bismarck
2010	Fargo	Miranda Kleven	Grand Forks
2009	Minot	Lisa Ansley	Bismarck
2008	Bismarck	Terry Rust	West Fargo
2007	Fargo	Mark Blonigen	Fargo
2006	Minot	Tom Welle	Moorhead
2005	Bismarck	Jack Long	Bismarck
2004	Fargo	Rick Gillund	Enderlin
2003	Minot	Mike Schneider	Bismarck
2002	Bismarck	Pat Denne	West Fargo
2001	Fargo	Charles Jaszkowiak	Bismarck
2000	Dickinson	Randal Loeslie	Thompson
1999	Minot	Paul Lacina	Valley City
1998	Bismarck	Mel Bullinger	Bismarck
1997	Fargo	Wayne Tunseth	Mayville
1996	Minot	Don Olafson	Valley City
1995	Bismarck	Waide Kritsky	Jamestown
1994	Fargo	Byron Thronson	Minot
1993	Minot	Joe Manning	Fargo
1992	Bismarck	Tom Little	Mandan
1991	Fargo	Richard Wanner	Bismarck
1990	Williston	Richard Resell	Williston
1989	Minot	Dwight Wurzbacher	Grand Forks
1988	Grand Forks	Phil Furaus	Harvey
1987	Dickinson	Dale Hanson	Valley City
1986	Bismarck	Dan Boyce	Grand Forks
1985	Fargo	Lyle Weeks	Minot
1984	Williston	Kenneth Reynolds	Bismarck
1983	Minot	Dale Townsend	Carrington
1982	Mandan	Peter Bilstad	Fargo
1981	Jamestown	Don Cuskelly	Dickinson
1980	Grand Forks	Don Erikson	Watford City
1979	Bismarck	Ken Skuza	Fargo
1978	Dickinson	Gerald Zander	Mandan
1977	Fargo	Keith Cornell	Grand Forks
1976	Minot	Peter Mellmer	Bismarck
1975	Mandan	Lyle Mitzel	Wahpeton
1974	Grand Forks	Daniel Reiter	Minot
1973	Jamestown	Russell Kain	Neche
1972	Williston	John Muus	Grand Forks

Conference	Host City	President	President's Residence
1971	Fargo	Donald Wenaas	Jamestown
1970	Minot	Harry Hanson	Bismarck
1969	Bismarck	Clarence Johnson	Garrison
1968	Dickinson	Bevan Shaw	Williston
1967	Grand Forks	A.E. Forsman	Grand Forks
1966	Mandan	Alvin Mickelson	Casselton
1965	Fargo	Ken Ruby	Fargo
1964	Minot	Al Swanson	Jamestown
1963	Valley City	Carl Torkelson	Grafton
1962	Williston	Glenn Berg	Minot
1961	Jamestown	Richard Fuller	West Fargo
1960	Bismarck	Frank Orthmeyer	Grand Forks
1959	Grand Forks	Herbert Arnold	Williston
1958	Dickinson	L.W. Veigel	Dickinson
1957	Fargo	Erik Peterson	Jamestown
1956	Mandan	Edwin Ostlie	Grand Forks
1955	Williston	Paul Hays	Minot
1954	Grand Forks	C.M. Hagen	Oakes
1953	Minot	C.T. Stephenson	Jamestown
1952	Jamestown	Ed Booth	Bismarck
1951	Fargo	H.H. Behlmer	Fargo
1950	Bismarck	A.F. Hulteng	Grand Forks
1949	Dickinson	George Toman	Mandan
1948	Minot	R.J. Lockner	Cooperstown
1947	Grand Forks	John Kleven	Grand Forks
1946	Mandan	S.K. Svenkeson	Minot
1945	Fargo	F.W. Pinney	Fargo
1944	Bismarck	Dave MacDonald	Bismarck
1943	Grand Forks	Joe Morrissey	Jamestown
1942	Williston	Elmer Pearson	Minot
1941	Jamestown	R.M. Jenson	Grand Forks
1940	Wahpeton	William Nordley	Edgeley
1939	Dickinson	William Yegen	Bismarck
1938	Minot	S.S. Calvelage	Jamestown
1937	Mandan	Ora Ayliffe	Fargo
1936	Fargo	S.P. Ravnos	Mandan
1935	Grand Forks	H.T. Hintgen	Wahpeton
1934	Bismarck	W.H. Robinson	Williston
1933	Jamestown	O.N. Bergman	Valley City
1932	Minot	E.L. Lium	Grand Forks
1931	Fargo	W.P. Tarbell	Fargo
1930	Grand Forks	E.J. Thomas	Minot
1929	Bismarck	A.L. Bavone	Bismarck

ND WARN North Dakota Water/Wastewater Agency Response Network

Free Emergency Response Seminar and NDWARN Tabletop Exercise

Thursday, September 24, 2015

North Dakota Department of Health Environmental Training Center
2639 East Main Avenue · Bismarck, North Dakota 58501
Phone: 701-328-5224

The North Dakota Water/Wastewater Agency Response Network (**NDWARN**) is a network of "utilities helping utilities." This network helps water and wastewater utilities locate emergency assistance in the form of personnel, equipment, materials and other services. **NDWARN** is proudly hosting a free event that includes an emergency response seminar and a tabletop exercise (TTX).

Emergency Response Seminar and TTX Description: The event will consist of a seminar with presentations and a TTX. The seminar presentations will cover topics related to **NDWARN**, as well as water and wastewater preparedness and response. The TTX will be based on a hypothetical incident designed to bring together water, wastewater, county and state agencies, and public safety to discuss roles and responsibilities. This seminar and TTX are open to member utilities and non-member utilities, as well as response partners that are interested in learning more about **NDWARN**.

Continuing Education Units (CEUs): North Dakota water and wastewater operators will earn 3 CEUs toward their license renewal requirements for their participation in the entire event.

Event Timeline: Thursday, September 24, 2015

- Check-in: 8:30 a.m. – 9:00 a.m.
- Presentations: 9:00 a.m. – 11:30 a.m.
- Lunch: 11:30 a.m. – 12:30 p.m.
- Tabletop Exercise: 12:30 p.m. – 4:00 p.m.

Registration:
https://www.eventbrite.com/e/free-emergency-response-seminar-and-ndwarn-tabletop-exercise-tickets-17548628420
All attendees must register for this free event so we can obtain an accurate headcount. Seating is limited to 65 people.

For more information and if you are interested in attending the event via a webinar, please contact Will Keefer of the Horsley Witten Group (EPA's contractor) at wkeefer@horsleywitten.com or 508-833-6600.

EPA United States Environmental Protection Agency

AWWA Director's Report

by Timothy Paustian, PE, Director - North Dakota Section of AWWA

I am writing this having just returned from an excellent Annual Conference and Exposition (ACE) where I officially became your Section Director. A big Thank You needs to go to our departing Director, Larry Thelen. Larry has been a faithful volunteer to both the Section and the Association for many years. I hope he will still help out the Section from time-to-time. Experience like that is tough to replace.

I am happy to tell you that your Association is very strong, with over 50,000 dedicated members. ACE was held in Anaheim, California and saw nearly 12,000 attendees. An appropriate place to have ACE, considering the current drought in California. During ACE, the gavel was passed from outgoing President John Donahue (Illinois Section) to Gene Koontz (Pennsylvania Section). Many of you may remember both John and Gene, who visited our Section in 2010 and 2012, respectively. The new President-Elect is Jeanne Bennett-Baily (Virginia Section) who was previously the Chair of the Public Affairs Committee. ACE also saw the Association saying farewell to Deputy CEO Tom Curtis, who is retiring. Tom, and his staff, oversees all Washington D.C. activities of AWWA and provides leadership on regulations and works on behalf of the water community. He will be missed greatly.

I am also happy to report that the North Dakota Section was recognized by the Association for meeting the goals set forth in the recent Section Membership Challenge. Goals were set for both membership retention and total membership. North Dakota was one of only 18 Sections that achieved their goals. Thanks to Membership Chair, Dean Sletten, for playing a big part in this achievement.

This is an exciting time for AWWA. Several initiatives are ongoing as part of the Association's Strategic Plan. Two of those initiatives are as follows:

- The first is the opening of AWWA India on July 1st. This is the first AWWA office outside of North America and is part of the Association's Global Outreach Campaign. For, those of you wondering 'Why India?', CEO David LaFrance wrote a great article on that subject in the May 2015 issue of the Journal that can provide some background. AWWA India currently has around 100 members and is expected to reach 250 members by the end of the year.
- The second initiative is The Water Equation Campaign, formerly known as the Association's philanthropic activities. This campaign is a concentrated effort to educate water professionals, share knowledge, advocate for safe and sustainable water, and create volunteer opportunities. This will be achieved through water workforce advancement, community water outreach and education, and global water outreach. Funding for the campaign is entirely through donations: Individual Giving, Corporate Sharing, and Foundation Support. I invite you to learn more about The Water Equation Campaign (Knowledge + Sharing = Transformation) on the Association's website (www.awwa.org) and see how we all can 'Help build a better world through better water'.

As I embark on my term as Director, I am a bit overwhelmed by all the moving parts of the Association, but I look forward to the challenge. I view my role as your Director to assist in setting the policies and direction of the Association, represent the interests of the North Dakota Section of AWWA, and advocate for the vision, mission, and goals of the Association. I look forward to talking to each and every one of our Section's members. I would also encourage all of you to get involved in the Section and the Association. There is something for everyone. I guarantee you that the experiences had and relationships made will have a lasting effect and continually reaffirm why we work in this noble profession.

I'll leave you with this. The keynote speaker at the opening general session of ACE was Dr. Wallace J. Nichols, who wrote a book titled 'Blue Mind'. It talks about the relationship we all have with water and how being near, in, on, or under water can make you happier, healthier, more connected, and better at what you do. It's an interesting premise. As water professionals, we are surrounded by water every day. So, as each of you goes about with the task of providing safe and reliable water, keep in mind, what Dr. Nichols said, 'You need water. And water needs you now. I wish you water.'

Timothy J. Paustian, PE
Director – North Dakota Section of AWWA

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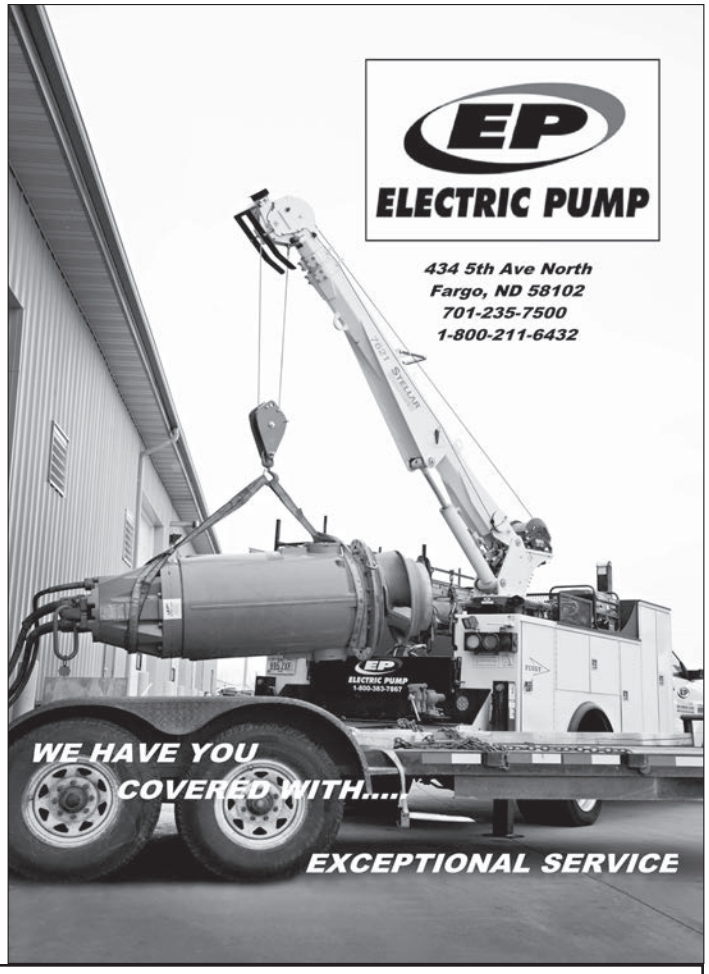

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TUESDAY, OCTOBER 6, 2015
AFTERNOON CONCURRENT SESSIONS

11:30 a.m.
Luncheon and Business Meeting, NDCAPWA
Courtyard
President Lance Meyer, Presiding
Guest Speaker:

Welcome: Bismarck Mayor Mike Seminary and NDWPCC President Dan Jonasson

Session A
Heart Room of the Missouri Room
Moderator: Wei Lin, Director, NDWPCC

1:30 p.m. Title: "SWPP Supplemental Raw Water Intake"
Speaker: Jim Lennington, Sr. Project Manager, Bartlett & West

2:30 p.m. Title: "Revised Total Coliform Rule"
Speaker: Jeni Walsh, Environmental Scientist, ND Department of Health

3:00 p.m. Break, Courtyard

3:30 p.m. Title: "RTCR Sample Site Plans "
Speaker: Josh Seerup, Environmental Scientist, ND Department of Health

4:00 p.m. Title: "RTCR Level I and Level II Assessments"
Speaker: Josh Seerup, Environmental Scientist, ND Department of Health

4:30 p.m. Adjourn

5:00 - 7:00 p.m. Buffet Dinner, Courtyard

7:00 - 9:00 p.m. Student and Young Professional's

Session B
Sheyenne Room of the Missouri Room
Moderator: Jess Wagner, Past President, NDWEA

1:30 p.m. Title: "Asset Management - An Operator's Perspective"
Speaker: Chris Sheridan, Operations and Maintenance Program Advisor, HDR

2:00 p.m. Title: "Solutions for Ammonia Removal in Smaller Systems"
Speaker: DelRon Peters, Senior Wastewater Project Manager, HDR

2:30 p.m. Title: "FOG Removal Methods"
Speaker: John Kouba, Senior Engineer, Wenck Associates

3:00 p.m. Break, Courtyard

3:30 p.m. Title: "NDPDES and Biosolids Permits"
Speakers: Sarah Waldron, Environmental Scientist, ND Department of Health
Patrick Schuett, Environmental Scientist, ND Department of Health

4:00 p.m. Title: "Nutrient Recovery for Irrigation"
Speakers: NDSU WEFTEC Design Team, AWWA/WEF, Student Chapter

4:30 p.m. Adjourn

Session C
Cannonball Room of the Missouri Room
Moderator: Michael Quamme, Vice President, NDWEA

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

2:30 p.m. Title: "Balancing Rapid Development with Floodplain, Regional Stormwater and Environmental Management in Western ND"
Speaker: Jon Lefers, Water Resource Project Manager, AE_2S

3:00 p.m. Break, Courtyard

3:30 p.m. Title: "Fargo Project"
Speaker: Jeff Hruby, Water Resource Practice Leader, AE_2S

4:00 p.m. Title: "NDDOT Stream Diversion"
Speaker: Matt Sperry, Environmental Science Administrator, ND Department of Transportation

4:30 p.m. Adjourn

7:30 - 11:30 a.m. Tabletop Display Program, Dakota Ballroom
8:00 a.m. - 10:00 a.m. Free Breakfast Buffet Dakota Ballroom

WEDNESDAY, OCTOBER 7, 2015
AFTERNOON CONCURRENT SESSIONS

12:00 Luncheon and Business Meetings, NDWEA and NASECA-ND: Courtyard
NDWEA President Karl Rockeman and NASECA-ND President Jeff Hruby, Presiding
Guest Speaker: Eilleen O'Neill Executive Director, WEF

NDAWWA Session

Heart Room of the Missouri Room
Moderator: Mike Berg, Trustee, NDAWWA

1:30 p.m. Title: "Trihalomethane Reduction in Water Storage Tanks"
Speaker: Doug Whitney, Senior Engineer, KLJ

2:00 p.m. Title: "Gimmicks and Gadgets: Water Treatment Operation and Maintenance Solutions"
Speakers: Rob Dickson, City of Lincoln
Jim Kershaw, City of Bismarck
Bill Pifer, City of Bismarck
Mark Paddock, City of Minot

3:00 p.m. Break, Courtyard

3:30 p.m. Title: "Traditional Low Density and High Density Lime System Slaking Comparison"
Speaker: Ron Plank, Material Handling Specialist, Merrick/ConSeCo

4:30 p.m. Adjourn

5:30 p.m. Social Hour, Courtyard

6:30 p.m. Banquet: Dakota Ballroom
Invocation: Kevin Nelson
Master of Ceremonies: Scott Wild
Entertainment: Strolling Strings

NDWEA Session

Sheyenne Room of the Missouri Room
Moderator: Gary Zuroff, President Elect, NDWEA

1:30 p.m. Title: "Wastewater Treatment Disposal in Western ND"
Speaker: Sarah Waldron, Environmental Scientist, ND Department of Health

2:00 p.m. Title: "Wastewater Treatment and Collection Panel"
Speakers: Karla Olson, Apex Engineering Group
Don Tucker, City of Fargo
Don Wald, City of Wahpeton
Gary Zuroff, City of Dickinson

3:00 p.m. Break, Courtyard

3:30 p.m. Title: "Don't Flush Trouble"
Speaker: Bill Gefroh, Lab and Pretreatment Manager, City of Bismarck

4:00 p.m. Title: "Fargo Broadway Forcemain Project"
Speaker: Jared Heller, AE_2S

4:30 p.m. Adjourn

NDCAPWA Session

Cannonball Room of the Missouri Room
Moderator: Lance Meyer, President, NDCAPWA

1:30 p.m. Title: "Situation Awareness Improvements Using GIS"
Speakers: Darrel Nucech, GIS Coordinator, City of Bismarck
Gary Stockert, Emergency Manager, City of Bismarck

2:00 p.m. Title: "LED Street Light Change Outs and New Installations"
Speakers: Linda Oster, Bismarck, Engineering Department
Paul Lies, Traffic Signal/White Way Lights Supervisor, City of Bismarck

3:00 p.m. Break, Courtyard

3:30 p.m. Title: "Minot 55th Street Overpass"
Speaker: Steven Eberle, Vice President/COO, Ackerman-Estvold

4:00 p.m. Title: "Minot 6th Street Underpass"
Speaker: Ryan Ackerman, President/CEO, Ackerman-Estvold

4:30 p.m. Adjourn

THURSDAY, OCTOBER 8, 2015
MORNING CONCURRENT SESSIONS

Session A
Grand Pacific Room of the Dakota Ballroom
Moderator: Sarah Volk, Director, NDWPCC

8:00 a.m.	Title:	"2015 Bridger Poplar Pipeline Release, Yellowstone River, Dawson County, MT"
	Speaker:	Eugene (Gino) Pizzini, Drinking Water Section Supervisor, Montana Department of Environmental Quality
9:00 a.m.	Title:	"Alternatives to Design-Bid-Build: Views from an Owner, Engineer, Contractor, and ND Department of Health"
	Speakers:	Mark Peterson, City of Fargo Darin Pflngsten, PKG Construction Wayne Gerszewski, AE_2S David Bruschwein, ND Department of Health
10:00 a.m.		Break, Courtyard
10:30 a.m.	Title:	"Water Supply, Treatment, and Distribution Challenges in West Fargo"
	Speakers:	Chris Brungardt, Public Works Director, City of West Fargo Tim Paustian, Project Manager, Apex Engineering Group
11:30 a.m.		Adjourn

Session B
Patterson Room of the Dakota Ballroom
Moderator: Karla Olson, WEF Delegate, NDWEA

8:00 a.m.	Title:	"Capital Planning, The Easy Way"
	Speakers:	Michael Lorenzo, Senior Project Manager, Bartlett & West, Darin Schaeffer, Project Manager, Bartlett & West
8:30 a.m.	Title:	"Dickinson Wastewater Infrastructure Expansion"
	Speakers:	Gary Zuroff, Public Works Director, City of Dickinson Mike Berg, Project Manager, Apex Engineering Group
9:00 a.m.	Title:	"Nutrient Roadmap"
	Speakers:	Wei Lin, Civil Engineering, NDSU Michael Quamme, Graduate Engineer, Apex Engineering Group
9:30 a.m.	Title:	"Water and Wastewater System Sustainability"
	Speaker:	Eric Volk, Executive Director, ND Rural Water Systems Association
10:00 a.m.		Break, Courtyard
10:30 a.m.	Title:	"Regional Solution for the Ellsworth AFB; Box Elder, SD and Area Developments"
	Speakers:	Tracy Ekola, Principal, SEH John Fisher, Wastewater Operations Leader, SEH
11:00 a.m.	Title:	"Bismarck Odor Control Rehab"
	Speaker:	Ken Weber, AE_2S
11:30 a.m.		Adjourn

NASECA-ND Session
Lamborn Room of the Dakota Ballroom
Moderator: Seth Lynne, President-Elect NDWPCC

8:00 a.m.	Title :	"Reissued Construction General Permits"
	Speaker:	Dallas Grossman, Environmental Engineer, ND Department of Health
8:30 a.m.	Title:	"ND Construction Permit Roundtable"
	Speakers:	Dallas Grossman, NDDH, Jeff Brummer, Anderson Western, Inc., Brad Krogstad, KLJ, Matt Sperry, NDDOT, Jeannie Schultz, AE_2S
9:00 a.m.	Title:	"Edgewood Sanitary and Stormwater Design"
	Speaker:	Jeff Hruby, Water Resource Practice Leader, AE2S
9:30 a.m.	Title:	"Management of South Bismarck's Stormwater System"
	Speaker:	Scott Schneider, Dickinson Operations Manager, Apex Engineering Group
10:00 a.m.		Break, Courtyard
10:30 a.m.	Title:	"Municipal Stormwater Roundtable"
	Speakers:	Dave Tuan, City of Williston Linda Oster, City of Bismarck Lance Meyer, City of Minot Chad Zander, City of West Fargo Reed Schwartzkopf, City of Jamestown Jeff Hruby, AE2S
11:30 a.m.		Adjourn

12:00 p.m. Joint Luncheon and Business Meetings, NDAWWA and NDWPCC, Courtyard
NDAWWA, Chair Dennis Larson and NDWPCC President Dan Jonasson
Guest Speaker: Warner Palermo, Vice President, AWWA, Dorado, Puerto Rico

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OCTOBER 7, 2015
7:30 a.m. to 11:30 a.m.

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North Dakota Section of the American Water Works Association Water for People
North Dakota Water Environment Association
North Dakota Chapter of the American Public Works Association
North Dakota Chapter of the the North American Stormwater and Erosion Control Association

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Ken-demmons@hdrinc.com

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NDSU Dale Heglund
515 ½ E Broadway Ste 101 701-328-9857
Bismarck, ND 58501 FAX 701-328-9866
dale.heglund@ndsu.ed

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14000 Veit Place 763-428-2242
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mcunningham@veitusa.com

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Integrated Process Solutions (IPS), Inc. Peter Nelson
PO Box 26 218-435-1703
Fosston, MN FAX 866-786-4828
ips@ipsamerica.biz

Integrated Process Solutions (IPS), Inc. is a full-service integration and electrical construction firm with headquarters located in Fosston, Minnesota. Our team has extensive and diverse experience in the industrial and municipal water/wastewater industry, allowing us to be a valuable resource during the planning, design, procurement, and construction phases, and providing an unmatched level of customer service. IPS is dedicated to delivering high quality projects that are on time and within budget.

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Eric@spi-nd.com

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aaron.gerfen@larsondata.com

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jchamberlain@brockwhite.com

Brock White Company, LLC headquartered in St. Paul, MN, was incorporated in 1954 to provide specialty products to the concrete and masonry construction markets in the upper Midwest United States. These products include hand tools, specialty chemicals, waterproofing materials, caulking, insulation, highway sealants, concrete, and masonry accessories, concrete repair and restoration materials and coatings. Brock White has become a leading supplier and resource for Geosynthetics, Geotextiles, Erosion Control, Stormwater Management, and water quality products. To learn more about Brock White and the wide variety of products that it has available, call the local office or visit their website: www.brockwhite.com

Pipline Plastics, LLC Dustin Baker
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dbaker@pipe.us

We manufacture HDPE pipe for water, wastewater, storm drain, industrial, and oil and gas applications. We sell thru distributors within the North Region. We also have two Texas plants. We produce 2" to 24 " HDPE pipe.

Industrial Coating Specialists, Inc. Chad DeJong
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cdjong@bbadvisors.net

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Fisher, Harris & Associates is a manufacturers' representative company for the Midwest region that represents companies EBAA Iron, Smith-Blair, Team Industrial Valve Insertion, Wagner Co., Vent-O-Matt, RF Valves, Adaptor Inc., and Drainage & Water Solutions (DWS).

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Kevin Renslow
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krenslow@tnemec.com

Tnemec's product line provides coating protection for a number of different industries including water storage tanks, water and wastewater treatment, specialty architectural, industrial, and processing/manufacturing. In addition, Tnemec offers StrataShield floor and wall coatings as well as Chemprobe masonry coatings. Tnemec has a worldwide reputation among specifiers and contractors for consistently high quality industrial coatings that are used on everything from water tanks to large stadiums. Tnemec also features the most knowledgeable sales representatives in the coatings industry who provide support and industry expertise from start to finish.

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Bismarck, ND 58501 FAX 701-258-9724
jreiser@mvtl.com

MVTL Laboratories is an independent testing laboratory specializing in environmental monitoring. We provide a broad range of sampling and analytical services for government agencies and private industry. Some of the services we provide include groundwater and wastewater sampling. Our laboratory has analyzed thousands of samples for metals, nutrients, VOCs and many more parameters. MVTL has been in business for over 60 years! Throughout those 60 years, we have gained a vast amount of experience. We have performed a wide variety of projects on groundwater, surface water, wastewater, and solid waste. Let us put our knowledge and experience to work for you!

Parsons Engineered Products, Inc. Mark Enochs
3574 Clare Downs Path 952-334-9257
Rosemount, MN 55068 FAX 952-925-1323
mark@pep-reps.com

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

Short Elliott Hendrickson, Inc. (SEH) Ken Nysether
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Tonka Water Jeff Emerson
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Ess Brothers, Inc. Greg Kilgore
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Loretto, MN 55357 FAX 763-478-8868
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Quality Flow Systems, Inc. Kevin Huson
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Quality Flow Systems, Inc. is a manufacturers' representative for KSB, Grundfos, Yeomans, Chicago, Sewer Chewer, Morris, Siemens, QLI, Sensaphone, Crane Pumps & Systems, Goulds, American Turbine, Griswold, and GPM Pumps. We provide 24-hour service assistance and have six fully equipped service trucks operating throughout our territory of Minnesota, North Dakota, South Dakota, Iowa, and Nebraska. We also have stock pumps and parts.

Metering & Technology Solutions Joe Mereness
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Burnsville, MN 55337 FAX 652-882-6350
stevem@metertechsolutions.co,

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Apex Engineering Group Tom Welle
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Apex Engineering Group was founded in 2010 by an entrepreneurial group of engineers and technicians with a long history in the engineering consulting business. The owners and employees share a common vision of what it takes to build a successful engineering firm: exceptional client service, quality work, integrity, experience, expertise, and a drive for success. Our team has extensive experience in the industry and this region. Our leaders are professionals with proven track records of producing successful projects, many long-term clients and are considered experts in their respective fields. At Apex we have put a ban on bureaucracy. We have stripped away anything and everything that stands in the way of what matters serving our clients. Apex's business focus is Water, Transportation, Municipal, and Electrical Engineering Services. We have offices located in Fargo, Bismarck and Dickinson, North Dakota and Detroit Lakes, Minnesota.

Tech Sales Co. Abraham Salamzadeh
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Minneapolis, MN 55409 FAX 612-823-4272
salamzadeh@techsalesco.com

Tech Sales Co. is a manufacturers' representative. We specialize in instrumentation for water/wastewater and industrial applications. Products include level, flow, sampling, analytical, gas detection, and remote monitoring.

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Bartlett & West, Inc. Darin Schaeffer
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Bismarck, ND 58503 FAX 701-258-1111
darin.schaeffer@bartwest.com

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Dakota Pump & Control, Inc. Darin Waldner
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darin@dpc.us.com

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Kodru-Equipment, Inc. Matthew Hillbrand
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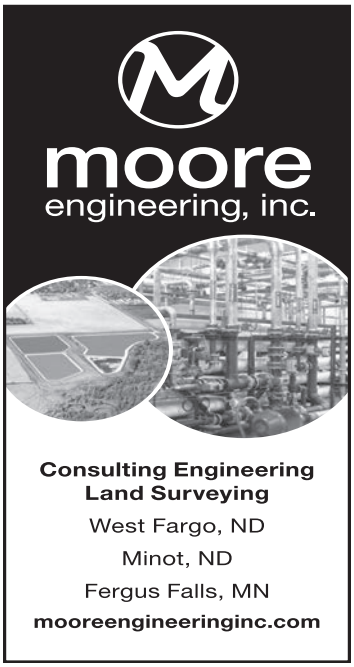

NDWPCC JOINT BOARD MEETING MINUTES

May 19, 2015

Bismarck, ND

A meeting of the Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC); North Dakota Water Environment Association (NDWEA); North Dakota Chapter of the American Public Works Association (NDCAPWA); North Dakota Section of the American Water Works Association (NDAWWA); and the North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA-ND) was held on May 19, 2015, in the Governor's Room of the Ramkota Hotel, Bismarck, ND. The following board members and guests were present: Chuck Abel, Mike Berg, Mike Brisben, Dustin Dale, Bill Gefroh, John "Fred" Goetz, Dallas Grossman, Dale Heglund, Jeff Heintz, Jeff Hruby, Dan Jonasson, Jim Lennington, Wei Lin, Seth Lynne, Lance Meyer, Wayne Offerdahl, Karla Olson, Tim Paustian, Mark Peterson, Mike Quamme, Meredith Quinn, Jake Schafer, Jason Sorenson, Matt Sperry, Gregg Stewart, Larry Thelen, Sarah Volk, Don Wald, Greg Wavra, and Gary Zuroff.

The meeting was called to order at 10:36 a.m.by NDWPCC President Dan Jonasson. Copies of the meeting agenda and January 1 - April 30, 2015 financial report were provided to those in attendance.

The first order of business President Jonasson called for any discussion on the minutes from the January 21, 2015 joint board meeting. Hearing none, President Jonasson called for a motion to dispense with the reading of the minutes and approve the minutes mailed to all board members. Bill Gefroh so moved, Lance Meyer seconded, and the motion carried.

Next, President Jonasson called for the Treasurer's Report. Mike Brisben read the January 1 - April 30, 2015 NDWPCC financial report which showed a net loss of $5,435.93 and total assets of $115,755.45. Larry Thelen asked the reason for the Wells Fargo loss. Mr. Brisben indicated that the loss was mainly from uncashed checks and PayPal fees. President Jonasson called for any further discussion. Hearing none, President Jonasson called for a motion to approve the Treasurer's Report. Chuck Abel so moved, Gary Zuroff seconded, and the motion carried.

Continuing with old business, President Jonasson asked for an update on the 2019 Conference. Mr. Brisben noted that October 29-31, 2019 was tentatively reserved at the Ramkota in Bismarck and that alternative dates were available with a Monday-Wednesday and/or a Wednesday-Friday venue available. Mr. Brisben reported he had met with the Bismarck Event Center regarding 2019 dates and noted the estimated costs would be $1,100-$1,500 per day for the exhibit hall and $200 per day for breakout rooms. Mr. Brisben also noted that the group reserving the 2019 dates at Ramkota was using the event center in 2015 and may release the 2019 dates if all goes well in 2015. Dale Heglund identified the group as the North Dakota Association of Counties and felt there would be no conflict if the NDWPCC convention overlapped. Mr. Brisben noted that the city of Grand Forks and Grand Forks CVB shared the cost of the Alerus Center. Jeff Heintz asked if similar measures were being considered for Bismarck in 2019. Mr. Brisben indicated that the Bismarck-Mandan CVB can offer assistance once a final quote is received and that Keith Demke said there was currently no funding available from the city.

Next, President Jonasson asked for any discussion on future conferences. Mr. Brisben provided a list of tentative dates for 2020-2023. Lance Meyer moved that the earlier dates be reserved for each site. Jason Sorenson seconded and the motion carried.

Next, Mike Quamme updated the members regarding the NDWPCC website noting that the current conference format exceeded the abilities of the company contacted. Sarah Volk recommended using the NDAWWA website and suggested the format be updated making it more user friendly. Ms. Volk and Mr. Quamme agreed to research the project further and provide a draft form for approval. President Jonasson requested they work with Mr. Brisben and that a report be given at the fall meeting.

Next, President Jonasson asked that topic and presenter lists be provided to Mr. Brisben by June 1st. Jeff Hruby requested a one session track for NASECA-ND versus alternating between Sessions B and C. Mr. Thelen noted that NDAWWA had topics lined up for an afternoon session as well. Ms. Volk suggested a call for abstracts to help with topic selection. Mr. Brisben indicated that some presenters do provide abstracts but most presentations were determined by the biographical information provided. Seth Lynne noted that abstracts might make the number of topics exclusive rather than inclusive. President Jonasson noted he liked the variety of topics used in past conferences that were of interest to all attending. After further discussion Mr. Brisben would schedule one session for each of the joint boards and fill the remaining five sessions with other topics that were submitted. President Jonasson called for any other old business.

Hearing none, President Jonasson called for a report on local arrangements for 2015. Mr. Brisben reported that meetings were held on May 12, 2015. Mr. Brisben noted that the spouse/guest event would be dropped and that the facility tours would be on your own with contact information included in the announcement. Mr. Heintz indicated that Bismarck Public Works would prefer a block of time one day to make it easier for staffing. Mr. Brisben suggested a meeting be scheduled to discuss tour options.

Mr. Brisben also stated that a pre-conference training session for small systems sponsored by AWWA has been discussed. Greg Wavra noted that emergency management training was also being considered. Ms. Volk indicated that the deadline for the AWWA training was October 15, 2015 allowing for it to be combined with the annual conference.

Moving on, President Jonasson asked for an update on the 2015 Water and Wastewater Operator Training Program. Mr. Brisben reported that 334 operators attended with 265 exams written.

President Jonasson called for any other discussion concerning the conference. Mr. Brisben asked if there would be a student/YP reception and poster competition in 2015. Dustin Dale indicated that both were in the planning stages and that he would have the new YP committee chair contact Mr. Brisben.

Next, President Jonasson asked for an update on the Official Bulletin. Mr. Brisben introduced Jake Schafer. Mr. Schafer indicated that he was learning the Indesign software and felt that the spring addition would go out in early June. Ms. Volk offered assistance if needed.

President Jonasson called for any other new business. Hearing none, President Jonasson called for a motion to close the meeting. Seth Lynne so moved. Wayne Offerdahl seconded and the motion carried.

The meeting adjourned at 11:51 a.m. The NDWPCC can be thanked for the refreshments and noon luncheon.

Respectfully submitted,

Mike Brisben
Secretary/Treasurer

MB:pc

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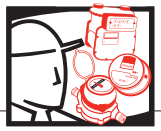

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State of
North Dakota
Office of the Governor

Jack Dalrymple
Governor

PROCLAMATION
PUBLIC WORKS WEEK
MAY 17-23, 2015

WHEREAS, public works infrastructure, facilities and services are of vital importance to the health, safety and well-being of the people of North Dakota; and

WHEREAS, it is important for the citizens and civic leaders of this state to gain knowledge of and to maintain a progressive interest in the public works needs and programs of their respective communities; and

WHEREAS, public works professionals, engineers and administrators are responsible for and must design, build, operate and maintain the transportation, water supply, sewage and refuse disposal systems, public buildings, and other structures and facilities essential to serving our citizens; and

WHEREAS, North Dakota's public works professionals, engineers and administrators should be recognized for their dedication and contributions to the growth, development and stability of our state.

NOW, THEREFORE, as Governor of the State of North Dakota, I do hereby proclaim May 17-23, 2015, **PUBLIC WORKS WEEK** in the state of North Dakota.

Jack Dalrymple
Jack Dalrymple
Governor

ATTEST:

Alvin A. Jaeger
Alvin A. Jaeger
Secretary of State

600 E Boulevard Ave. • Bismarck, ND 58505-0001 • Phone: 701.328.2200 • Fax: 701.328.2205 • www.governor.nd.gov

Scenes from Bismarck

1) Washington Lift
2) HWC Pumps
3) HWC at Dusk
4) West-End Pump Station

Useful Links

1) Bacteriological Water Samples Video:
https://www.ndhealth.gov/MF/videos/BacteriologicalSampleCollection.mp4

2) Chlorine Residual Samples Video:
https://www.ndhealth.gov/MF/videos/ChlorineResidualMeasuring.mp4

3) TTHM and HAA5 Samples Video:
https://www.ndhealth.gov/MF/videos/TTHMHAA5SampleCollection.mp4

Membership Application

Step 1 Decide which type of membership works best for you (Individual or Group)

INDIVIDUAL MEMBERSHIP

Available to any official or employee of a governmental agency, manufacturer, supplier, contractor, or consulting firm that is actively engaged in the field of public works.

❑ $179 USD/ $200 CAN

❑ *Never been a member? Get your FIRST YEAR of individual membership at HALF-PRICE! (Just $90 USD/ $100 CAN each!)*

GROUP MEMBERSHIPS

Groups will receive one consolidated renewal notice with a member roster attached. Members may be added or dropped from the roster throughout the year, if necessary.

Public Agency Group Membership

Available to any federal, provincial, state, local or other public agency concerned with public works. The number of individual memberships and the annual fee for an agency are based on the population served by the agency. When joining as an agency, each member saves $29 USD/ $32 CAN on annual membership dues.

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

Population Served	Number of Rostered Members Covered*	Annual Dues USD/CAN
❑ 0 – 10,000	2	$ 300 / $336
❑ 10,001 – 25,000	4	$ 600 / $672
❑ 25,001 – 50,000	6	$ 900 / $1,008
❑ 50,001 – 100,000	10	$1,500 / $1,680
❑ 100,001 – 300,000	16	$2,400 / $2,688
❑ 300,001 – 500,000	20	$3,000 / $3,360
❑ 500,001 – 1,000,000	26	$3,900 / $4368
❑ More than 1,000,000	30	$4500 / $5,040
❑ Federal Agency	50	$7,500 / $8,400

Corporate Group Membership

Available to any non-governmental entity that furnishes public works services or products, including privately held or incorporated utilities. There are three levels of corporate group membership: Heritage, Prestige, and Crown. Please select a membership level and provide names and contact information for all those who should be included on the group roster.

Corporate Membership Level	Number of Rostered Members Covered*	Annual Dues USD/CAN
❑ Heritage	2	$ 440 / $ 491
❑ Prestige	10	$1,839 / $2,054
❑ Crown	40	$8,732 / $9,755

***You may designate additional members for $150 USD/ $168 CAN each.**

Fee schedule effective through December 31, 2015

Step 2 Dues, Member Information, and Payment

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

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

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

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

Questions? Contact a membership specialist at 800-848-APWA or memberservices@apwa.net. Or visit www.apwa.net/membership.

APWA Headquarters: 2345 Grand Blvd, Suite 700, Kansas City, MO 64108-2625

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2018--Grand Forks October 16, 17, and 18
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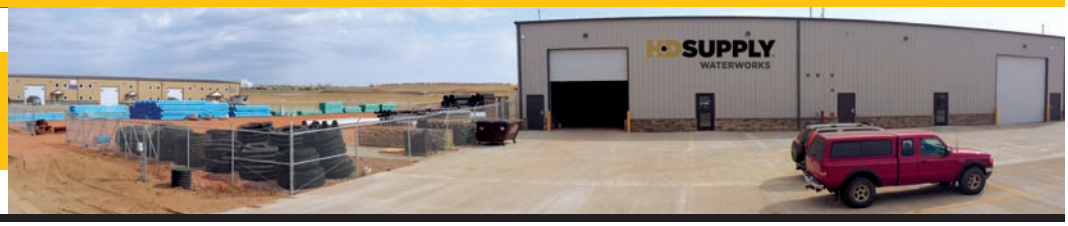

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- PVC Pipe & Duct
- Copper Water Service Pipe
- Corrugated HDPE Drainage Pipe
- Concrete Pipe and Manholes
- Corrugated Metal Pipe
- Geotextiles
- Geogrid

Other Products & Services:

- Valves – Gate, Plug, Butterfly, Check, Air Release
- Fire Hydrants
- McElroy HDPE Pipe Fusion Machine Sales & Rental
- Electrofusion Fittings and Machine Sales
- HDPE Fusible Pulling Heads and Threaded Transition Fittings

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jason.berg@hdsupply.com
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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	Amy Kinzler	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	Amy Kinzler	701-328-5258
Groundwater Rule	Gary Stefanovsky	701-328-5287
Inspections: Northeast	Gregg Stewart	701-328-6621
Inspections: Northwest	Ivana Striebel	701-328-6624
Inspections: Southeast	Jacob Schafer	701-328-6375
Inspections: Southwest	Shawn Heinle	701-328-6627
Inspections: South Central	Bob Markhouse	701-328-6623
Lead and Copper Rule	Tammy Lamphear	701-328-5295
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	Amy Kinzler	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 Josh Seerup	701-328-5231 701-328-5257
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	Marty Haroldson	701-328-5234
Animal Feeding Operations	Brady Espe Rachel Fast Jeremy Lang	701-328-5228 701-328-5244 701-328-5219
Biosolids	Marty Haroldson	701-328-5234
Construction Stormwater	Dallas Grossman Patrick Schuett Dan Webber	701-382-5242 701-328-5235 701-328-5285
Dewatering and Hydrostatic Testing	Sarah Waldron	701-328-5237
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 Patrick Schuett	701-328-5242 701-328-5235
Inspections	All Staff	701-328-5210
Lagoon Overflows/Releases/Spills	All Staff	701-328-5210
MS4 Stormwater	Dallas Grossman Patrick Schuett	701-328-5242 701-328-5235
Public Notices/NDPDES Permits	Curt Steier	701-328-5260
Septic Pumper	Sarah Waldron Marty Haroldson	701-328-5237 701-328-5234
Wastewater Discharge Approvals	All Staff	701-328-5210
Central Phone: 701-328-5210		**Fax: 701-328-5200**

SURFACE WATER
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Minnesota, North Dakota and South Dakota AWWA request abstracts for both verbal and poster presentations for the **2016 Surface Water Treatment Workshop**.

This regional conference presented by MNAWWA, NDAWWA and SDAWWA will provide current technical, process, and operational information to engineers, scientists, municipalities, and end users of surface water treatment facilities. The technical sessions at the **2016 Surface Water Treatment Workshop** will include all topics related to surface water in Minnesota, North Dakota and South Dakota.

CALL FOR PAPERS

DATES TO REMEMBER	
Abstracts Due	October 15, 2015
Notification of Acceptance	November 15, 2015

TOPICS MAY INCLUDE:

UTILITY MANAGEMENT & OPERATIONS	WATER TREATMENT & TECHNOLOGY	SUPPLY, DISTRIBUTION & GREEN TECHNOLOGIES
Emerging Contaminants	Treatment Technologies	Disinfection
Regulations	Lime Softening	Disinfection By-Products
Sustainability	Membrane Technologies	Water Storage Issues
Financing	Chemical Feed Optimization	Distribution
Asset Management	Innovative Treatment	Water Age
Utility Management	Filter Optimization	Water Modeling
Water Conservation	Biological Treatment	Stormwater
Source Water Issues	Residuals Handling	Surface Water Intake Issues
GIS Applications	Taste & Odor Removal	Green Technologies
	Chemical Usages	

The presentation selection committee will view quality of the abstract as an indication of the quality expected in the presentation and final manuscript. Review of the abstracts will be based on the following criteria:

- Relevance to the theme of the conference and the theme of the individual session(s)
- Significance of the work to a broad audience
- Technical content
- Originality of the work, including new concepts, innovations, or data

To submit an abstract for a presentation or poster, send an electronic copy to Jim Lennington by October 15.

Jim Lennington
Barlett & West
jim.lennington@bartwest.com
Ph: (701) 221-8343

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