Inside:
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City of Belgrade
Surface Water Treatment Workshop
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Paul Gillispie
Water Superintendent
City of Dennison, MN

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Gary Koos
Community Superintendent
City of Starbuck, MN

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Visit us at www.mnawwa.org
Message from the Chair

Celebrate Water

Minnesota AWWA is consistently finding ways to honor water-industry professionals and celebrate success. For this reason, it is fitting that this year’s conference will recognize these ongoing efforts with the theme of CELEBRATION. If you are an active member of Minnesota AWWA or just a water industry representative that has attended a Minnesota AWWA activity, we invite you to join in the celebration of water at the annual conference in September.

This year’s annual conference will highlight the water industry and those who continue to exemplify the qualities that make Minnesota AWWA the authority on safe drinking water. In the spirit of celebration, please take the time to nominate worthy water professionals for the numerous section awards and educate yourself on the Chair-Elect and Director Candidates. A great place to start is by reading their bios in this issue of the Breeze. I am sure you will agree that the nominating committee has done a wonderful job of making the task of picking just one for each position very difficult.

As the section continues to invest in new ways to communicate and identify new initiatives, we also need to clearly carry forward our message to the general public and new members about who we are and why we exist. We should continue to effectively communicate about the competing needs that the water profession faces: limited resources, increasing regulatory requirements, too much to do and not enough time to do it, etc. Celebrating accomplishments is a positive and effective way to communicate these issues.

As a great organization, we must continue to find ways to appreciate and formally recognize individual and group progress and/or accomplishment. How would you rate Minnesota AWWA’s constant and never-ending search for the greatness in our section? Please let me or any section board member know your suggestions on how we can better acknowledge progress. As an organization and an industry, we must continue to be our own advocates!

On behalf of the Minnesota Section and its Board, we hope you can join us in celebration at the annual conference in Duluth. CELEBRATING WATER: EVERY DROP – EVERY WAY – EVERY DAY!

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Message from the Director

ACE Recap

ACE 2013 (the American Water Works Association annual conference and exposition) has recently concluded, and the Minnesota Section was well represented at the opening general session. Minnesota members were easy to spot in their infamous Minnesota Purple shirts. Jim Chaffee of Wisconsin is now president of AWWA and will be followed by John Donahue of Illinois. ACE was extremely well attended; the final count was over 10,000 attendees from around the world, which was up 12 percent from AC 2012 in Dallas. Minnesota had Pat Conrad of Bloomington competing in Meter Madness and the Minneapolis Tappers competing in the pipe-tapping competition. Most notable of the competitions was the city of International Falls taking second place in North America in the Water Taste Test—a job well-done and extreme effort put forth by all of our competitors from the Minnesota Section at ACE 2013.

The AWWA board of directors met prior to ACE 2013. I will summarize the key topics of the meetings. The first was a lengthy discussion on revisions to the Strategic Plan for 2013 and into the future. The major point of discussion was use of the phrase ‘total water solutions’ in statements and not just the term ‘safe drinking water.’ The discussion revolved around on what is AWWA’s mission and should the Association be expanding its base to include a broader approach to water. The conclusion was to include both phrases in applicable strategic objectives and was passed by the board. The vision now reads, ‘A Better World through Better Water,’ and the mission is, ‘Providing Solutions To Effectively Manage Water, The World’s Most Important Resource.’ The core principles are:

- Protect public health
- Safeguard the environment

- Pursue excellence
- Act with integrity
- Provide value
- Foster diversity and inclusion.

The new plan is posted at http://www.awwa.org in its entirety.

The 2013 Business Plan that was issued last January was also reviewed and updated at mid-year. Most goals and objectives have been or are in the process of being met. A report was also presented on the progress of the Water Infrastructure Finance and Innovation Authority. It is a strong possibility that the program has been passed by the time this article is printed. If not, I am sure it will be revisited in the next legislative session.

An issue brief, ‘Assessing the Affordability of Federal Water Mandates,’ has been published by AWWA, Water Environment Federation, and the U.S. Conference of Mayors. It is addressing the U.S. Environmental Protection Agency’s (EPA) study on water affordability across the United States. The report addresses EPA using median household incomes versus lowest income levels and the economic effects on business and industry and the aging infrastructure in determining water affordability. The report is available on the web sites of all three agencies.

AWWA is also asking for increased participation in the Partnership for Safe Water program. It has been growing rapidly and board members who have participated all had positive comments on the program. Complete info on this is available at http://www.awwa.org/resources-tools/water-utility-management/partnership-for-safe-water.aspx.

| Jerry Myers | Regional Manager | 847.782.0357 jerry.myers@dntanks.com | www.dntanks.com |
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Bill Spain

I hope everyone is having a great summer, and I look forward to seeing you all in Duluth at the annual conference in September.
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Message from the Editor

See you in Duluth

The end of a challenging spring brings hope for a mellow summer, which will wrap up with the Minnesota State Fair (and another water taste test) and Minnesota Section’s annual conference in September.

This issue is devoted to the conference and all of its activities. As you navigate the period between the solstice and equinox, keep the Breeze as a steady companion while you plan how to dominate Duluth in September.

Amid the information on the annual conference is an illuminating article by our friends in the Red River Valley as they contended with another season of flood preparation and response.

See you in Duluth. Until then, chill.

Stew Thornley

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THE R900® SYSTEM
1. CALL TO ORDER
Chair Carol Blommel Johnson called the lunch awards to order at 11:24 a.m. and the business meeting to order at 12:39 p.m.

2. DISTRIBUTION OF BALLOTS FOR CHAIR-ELECT
Ballots were distributed to the membership for the election of the Chair-Elect. Nominees for chair-elect were Steve Schneider and Kurt Johnson. Nominee biographies and visions were published in the recent Breeze and posted by the registration desk.

3. ELECTION OF TRUSTEE-AT-LARGE
Nominees for Trustee-At-Large were Mike McNabb and Rick Wanner. Nominee biographies and visions were published in the recent Breeze and posted by the registration desk. Blommel Johnson indicated that Rick Wanner withdrew his nomination since he was moving to Texas for work reasons. Therefore, there was only one candidate for this position. However, members have an option to write-in another candidates’ name on the ballot.

4. FINANCIAL REPORT
Secretary/Treasurer Uma Vempati summarized the 2011 and 2012 YTD financials.
As of December 31, 2011, section income for the year was $329,975 and expenses were $283,201 for a net gain of $46,774. Investments were down since the beginning of the year by $23,781 for a net profit of $22,993.
As of June 2012, section income for the year was $155,966 and expenses were $124,628 for a net gain of $31,338. Investments are up since the beginning of the year by $12,275 for a net income of $43,613.

5. COMMUNICATIONS
Summary of the Awards Luncheon:
• 2011 Leonard Thompson – 2010 award winner Doug Povang presented a plaque to Dan Boyce, the recipient of the 2011 Leonard N. Thompson Award.
• Outstanding Leadership Award – Blommel Johnson presented the first Outstanding Leadership Award to Andrew Sullivan.
• Operator Meritorious Award – Awards Committee Chair presented Chris Voeltz of St. Peter with the Operator Meritorious Award.
• Best in Glass – Brian Bergantine announced the top three utilities in the “Best in Glass” taste test: St. Cloud Public Utilities, City of East Grand Forks, and City of International Falls. The winner was the City of International Falls, with the award accepted by Bruce Olson. Brian Bergantine presented the award.
• Water For People Fundraiser – Shawn Mulhern announced that fundraising raised $2,300 for Water For People through the fishing tournament; $5,200 through the golf tournament; $220 for Water for People through Sporting Clays; and sale of ribbons for Water For People ($570) and David Morris Endowment ($440).
• SUSA Donation – Kevin Chemilski presented $1,000 to Water For People on behalf of the Suburban Utility Superintendents Association.
• Scholarship Awards – Doug Klamerus announced the Advanced Degree Scholarship recipients - Charles Haider of the University of Wisconsin, Leslie Storlie of the North Dakota State University, and Kevin Young of the North Dakota State University - who will each receive a $2,500 scholarship.

10. INTRODUCTION OF ASSOCIATION REPRESENTATIVE
AWWA Chair-Elect Jim Chaffee addressed the group, thanked the section for its hospitality, and talked about the Hot Topics of AWWA: Membership and WEF/AWWA Collaborative Initiatives, etc.

11. ELECTION RESULTS
The Chair-elect winner is Steve Schneider. Trustee-At-Large winner is Mike McNabb.

14. ADJOURNMENT
A motion to adjourn the business meeting at 12:52 p.m. was made by Lyle Stai, seconded by Bert Tracy, and passed unanimously.
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Annual Conference Preview

97th ANNUAL CONFERENCE
SEPTEMBER 11-13, 2013 • DULUTH, MINNESOTA
Benefit From Being a MN AWWA Conference Exhibitor!

This is the best chance you’ll have all year to make high-quality contact with new and existing clients in Minnesota.

- Exhibitors are recognized in the Conference Program.
- MN AWWA will provide Exhibitors with a FREE list of Conference attendees.
- It’s an opportunity to show off your goods and services while boosting the David B. Morris Scholarship fund.
- Being an Exhibitor is a great way to make your support of MN AWWA highly visible to its members.

Register Online for 2013

Links:

AWWA MEMBER VENDOR
NON-MEMBER VENDOR

http://www.mnawwa.org/training.asp

Sponsors Receive Additional Benefits:

- Sponsors have first priority in Trade Show booth assignments.
- Sponsors receive recognition throughout the Conference via Conference signage, a prominent thank-you in the Conference Program, and recognition during the Banquet.
- Sponsors are appreciated as being supporters of MN AWWA at the highest level.

Conference Sponsors to date:

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- WSB and Associates

3rd Annual MN AWWA All Star Jam Band

Current lineup:
Corey Lubovich – Drums
Josh Lubovich – Guitar & Drums
Ryan Mulner – Guitar & Vocals
Rod Volker – Lead Guitar & Vocals
Tim West – Bass Guitar/Rhythm Guitar & Vocals

Bring your favorite musical instrument and kick it down with the MN AWWA All Star Jam Band please contact Corey Lubovich at Office: (218) 262-7725 or coreyl@hpuc.com

AWWA Guest Program
Contact person: Monica Watry (320-221-0943)

Wednesday, September 11, 2013
8:30-8:45 Meet and Greet with door prizes (Inn on Lake Superior Eagle Harbor Conference Room)
9:00-10:30 Quilting Trunk Show by quilting artist Karen McTavish
11:00-12:30 Lunch at Little Angie’s Cantina
1:00-3:00 Cooking show at Blue Heron Trading Company (Dewitt-Seitz Marketplace)

Thursday, September 12, 2013
8:45-9:00 Meet and Greet with door prizes (Inn on Lake Superior Eagle Harbor Conference Room)
9:00-10:30 The Kissing Pot (Linda Berg, inspirational speaker, author and storyteller)
11:00-1:00 Lunch at Vallentini’s
1:30 - 3:00 Style/fashion show and dessert at the Blue Lake Gallery

Note: No written materials will be mailed out. All documentation, materials, and application form will be made available via the MN AWWA website.
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<table>
<thead>
<tr>
<th>TUESDAY 10TH</th>
<th>WEDNESDAY 11TH</th>
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<tbody>
<tr>
<td>Track</td>
<td>Opening/General Session</td>
</tr>
<tr>
<td>Room</td>
<td>Harbor Side Ballroom</td>
</tr>
<tr>
<td>8:00</td>
<td>Opening By MN AWWA Chair, Pat Shea</td>
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<td>AWWA National Representative - Michael Simpson</td>
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<td>Water for People: Dave Brown on Malawi</td>
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<tr>
<td>9:00</td>
<td>Keynote Speaker: Shari Harley</td>
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<tr>
<td>10:00</td>
<td>Vendor Exhibition which runs from 10:15 to 3:30</td>
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<tr>
<td></td>
<td><strong>Pipe Tapping @ 10:30</strong></td>
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<tr>
<td></td>
<td><strong>Taste Test Prelims @ 11:00</strong></td>
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<tr>
<td>11:00</td>
<td>Pre-Conference Board Luncheon Meeting</td>
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<tr>
<td></td>
<td>Room 202</td>
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<tr>
<td></td>
<td>Pipe Tapping @ 11:30</td>
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<tr>
<td>12:00</td>
<td>Lunch Provided</td>
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<td>1:00</td>
<td><strong>2 Prize Drawings</strong></td>
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<tr>
<td></td>
<td><strong>Vendor Exhibition</strong></td>
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<td></td>
<td><strong>Meter Madness 1:00 - 2:15</strong></td>
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<tr>
<td></td>
<td><strong>Pipe Tapping @ 1:30</strong></td>
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<tr>
<td>2:00</td>
<td><strong>2 Prize Drawings</strong></td>
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<tr>
<td></td>
<td><strong>Vendor Exhibition</strong></td>
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<tr>
<td></td>
<td><strong>Water Taste Test Finals @ 2:00</strong></td>
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<tr>
<td></td>
<td><strong>Pipe Tapping @ 2:30</strong></td>
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<tr>
<td>3:00</td>
<td><strong>Grand Prize Drawing</strong></td>
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<td></td>
<td><strong>Vendor Exhibition</strong></td>
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<td></td>
<td><strong>Free Time</strong></td>
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<tr>
<td>4:00</td>
<td><strong>MAC Social at Grandma’s Sports Garden Featuring the AWWA MN Section “All Star Jam Band”</strong></td>
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<tr>
<td>5:00</td>
<td><strong>Free Time</strong></td>
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<tr>
<td>6:00</td>
<td><strong>MN AWWA Board Meeting: Pickwick Restaurant</strong></td>
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<td>7:00</td>
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<td>8:00</td>
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<td>9:00</td>
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## THURSDAY 12TH

<table>
<thead>
<tr>
<th>Time</th>
<th>Track / Moderator</th>
<th>Room</th>
<th>Presentation / Discussion</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Asset Management</td>
<td>Room 203</td>
<td>Biological Activity in Minnesota Ground Water - Research and Providing Answers for Today and Guiding MDH Policy for Tomorrow - Nelson, Bolton &amp; Menk, Inc., Schultz, MDH</td>
</tr>
<tr>
<td>9:00</td>
<td>Successfully Implement a CMMS Deployment - Garibian, eRPortal</td>
<td>Room 202</td>
<td>Edina WTP #6 - Herubin, AE2S</td>
</tr>
<tr>
<td>10:00</td>
<td>It Takes a Village to Implement CMMS</td>
<td>Room 203</td>
<td>Biological Treatment Current Research - Spitelet, University of Texas at Austin</td>
</tr>
<tr>
<td>11:00</td>
<td>Data Integration Applications - Sanden, AE2S</td>
<td>Room 203</td>
<td>Investigation of the Particle &amp; Geosmin Removal Performance, and Microbial Community Composition of Pilot-scale GAC Biofilters - Strait, U of M</td>
</tr>
<tr>
<td>12:00</td>
<td>Business Meeting, Lunch, Awards: Harbor Side Ballroom</td>
<td>Lunch Horizon Room</td>
<td>Performance or Preference - Zenty, S.E.H.</td>
</tr>
<tr>
<td>1:00</td>
<td>Cyber Security Risk in Critical Infrastructure - Lehrkamp, FBI</td>
<td>Room 203</td>
<td>Investigation of Microbial Communities in Drinking water Distribution Systems and their Links to Water Quality and Iron Pipe Corrosion - Gomez, U of M</td>
</tr>
<tr>
<td>2:00</td>
<td>Mining for Gold - Ludden, SPRWS</td>
<td>Room 203</td>
<td>The State of Condition Assessment - Albert, Water Research Foundation</td>
</tr>
<tr>
<td>3:00</td>
<td>Mobility+Data+Analytics=Future - Reissner, GE</td>
<td>Room 203</td>
<td>Model For Managing Groundwater Use in the Twin Cities Metropolitan Area - Wuolo, Barr</td>
</tr>
<tr>
<td>4:00</td>
<td>Asset Management, GIS, and Field Staff - Thom, HD Supply</td>
<td>Room 203</td>
<td>Upgrade your Lime Softening Plant to Reverse Osmosis - Isabel CDM Smith</td>
</tr>
<tr>
<td>5:00</td>
<td>AWWA Appreciation Night Meet and Greet With hors d’oeuvres: Harbor Side Ballroom</td>
<td>Room 203</td>
<td>Perspective on the June 2012 Storm and the Reconstruction - Duluth</td>
</tr>
<tr>
<td>6:00</td>
<td>AWWA Appreciation Night Dinner: Harbor Side Ballroom Featuring the AWWA MN Section “All Star Jam Band”</td>
<td>Room 203</td>
<td>The Choice - Brad Forester, AMERICAN</td>
</tr>
<tr>
<td>7:00</td>
<td>AWWA Appreciation Night Awards Presentation</td>
<td>Room 203</td>
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<tr>
<td>9:00</td>
<td>YP Texas Hold’em Tournament and the AWWA MN Section “All Star Jam Band”</td>
<td>Room 203</td>
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## FRIDAY 13TH

<table>
<thead>
<tr>
<th>Time</th>
<th>Track / Moderator</th>
<th>Room</th>
<th>Presentation / Discussion</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Tech - Case Studies/O&amp;M (Miles Jensen)</td>
<td>Room 301 - 302</td>
<td>St. Cloud WT Operations - DeBoer, AE2S</td>
</tr>
<tr>
<td>9:00</td>
<td>Operations and Maintenance (Joe Zauner)</td>
<td>Room 202</td>
<td>Large Meter Testing - Horbovetz, ME Simpson</td>
</tr>
<tr>
<td>10:00</td>
<td>Administrative/Professional (Stew Thornley)</td>
<td>Room 202</td>
<td>MN WARN - Pete Moulton</td>
</tr>
<tr>
<td>11:00</td>
<td>Moderator: Roger Scharf</td>
<td>Harsbise Ballroom</td>
<td>WIFIA - Tommy Holmes</td>
</tr>
<tr>
<td>12:00</td>
<td>Moderator: Miles Jensen</td>
<td>Room 202</td>
<td>MDH and DNR UPDATE</td>
</tr>
<tr>
<td>1:00</td>
<td>Moderator: Joe Zauner</td>
<td>Harsbise Ballroom</td>
<td></td>
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<tr>
<td>2:00</td>
<td>Moderator: Stew Thornley</td>
<td>Harsbise Ballroom</td>
<td></td>
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</tbody>
</table>

**Legend:**
- **Day**
- **Track**
- **Room**
- **Meetings**
- **Social Events**
PIE TAPPING CONTEST

WHAT IS PIPE TAPPING?
The competition involves tapping a 6” ductile iron (3/4” Tap), cement lined, pressurized pipe and installing a curb stop and meter yoke. The tapping is done by a four-person team including a coach and three workers. Two taps are performed and the best time is used.

COME CHEER ON YOUR FAVORITE TEAM
See the excitement of this competition first hand and strategize for next year’s event. Everyone is welcome and the winning team will be sent to the AWWA ACE14 in Boston to represent the MN Section.

QUESTIONS
Contact:
Chris Larson, SEH

PHONE:
651-765-2961

EMAIL:
clarson@sehinc.com

EVERYONE IS WELCOME

METER MADNESS COMPETITION

WHAT IS METER MADNESS?
Meter Madness is a fast-paced competition where contestants assemble a specified water meter from a bucket of parts.

WHO IS ELIGIBLE?
All conference attendees are welcome. Participation is free. Prizes will be awarded to the individual with the fastest time.

Sign up in the Exhibition Hall at the Annual Conference.

Meter Madness State Champion will be awarded an expense paid trip to AWWA ACE14 in Boston to represent the MN Section.

QUESTIONS
Contact:
Kirk Peterson, HD Supply Water Works
612-270-3148
kirk.peterson@hdsupply.com

Corey Luft, HD Supply Water Works
612-202-7786
corey.luft@hdsupply.com
Boerger Minnesota Representative:

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Dundas, MN 55019
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MIP = Maintenance in Place
All fluid wetted parts are replaceable on site through the front cover.
AWWA Director Candidates

JON EATON

Jon has been the Superintendent of Utilities for the City of Eagan since January 2012, managing the water, wastewater, and storm programs in the Public Works Department. Prior he worked as the Water Quality Supervisor for the Utilities Division of Public Works at the City of Bloomington for 18 years. Before working in Utilities, Jon was an analytical chemist for the Minnesota Department of Agriculture and a Medical Research Scientist at the University of Minnesota.

Graduating from the Institute of Technology at the University of Minnesota in 1984 with a Bachelor of Chemistry, Jon completed advanced studies in analytical and environmental chemistry, held teaching and research assistantships, and tutored/mentored both the college and high school students in chemistry, physics, and math. His continuing education includes attending the Minnesota Public Works Leadership Academy at Hamline University, School of Business and Utility Management Institute through the Continuing Education Program, University of Minnesota.

Jon is a licensed Class-A Water Operator in the State of Minnesota (for both treatment and distribution facilities), an active member of the American Water Works Association (AWWA) - section and national levels - and Suburban Utilities Superintendents Association (SUSA), member of the Minnesota State Laboratory Certification Advisory Panel and the Minnesota Department of Health Environmental Health Knowledge Management Project (EHKMP), and a 20 year member of the American Water Works Association.

Jon has volunteered for a number of organizations including Feed My Starving Children, Habitat for Humanity, and Red Cross; traveled abroad to teach and guide children at a local school / orphanage in Ghana, West Africa; and continues to assist a village in central Honduras to identify problematic drinking water system areas, consider solutions, make repairs, modify the operation of transmission and distribution lines, consider the future impact of wastewater, and discuss the economics of sustaining a utility and improving the area’s public health.

If elected, Jon would continue to focus on a stronger Section, work to build a stronger relationship between the Section and Association, improve the knowledge and services to the membership, and work to attract tomorrow’s leaders into the organization.

PETE MOULTON

Currently, I serve as the Saint Peter Water Utilities Superintendent where my responsibilities include overseeing the water, wastewater and stormwater systems. I have worked for the Saint Peter Utilities for 26 years. I have been very fortunate to stay in one community for a long duration where growth and opportunities have been abundant.

My utility career began in 1979 with the Brookings Utilities where I worked as an operator in the water distribution and wastewater collections systems; it was in Brookings where education and participation in professional organizations first evolved. In 1987, my family moved to Saint Peter Minnesota where I began work as the Public Works Foreman. During my time in Saint Peter I have completed my Bachelors of Science degree from Minnesota State University with a degree in Political Science, I also have dual minors in Human Resources and Community Planning.

I have been a member of the American Water Works Association for over 20 years with the privilege of serving as Chair of the Minnesota Section in 2010. Prior to that I served on the Education and Small System committees and as the Southwest District Trustee from 2005 to 2010 when I was elected Section Chairman. Since 2011 I have served as the Secretary for the Water Utility Council participating in the last three legislative “fly-ins” to Washington D.C. where the importance of water related issues has taken the forefront. In 2012 the Section bestowed on me the “George Warren Fuller Award” for outstanding achievement and excellence; which is the highlight of my involvement with the Minnesota Section.

During my tenure in office with the Minnesota Section there have been many challenges and certainly the most significant would be the start up of the Minnesota Water and Wastewater Agency Response Network (MnWARN). As the appointed Minnesota Section delegate, I participated in forming the MnWARN Board and assisted in developing the Mutual Aid Agreement which provided the pathway for communities to become members of MnWARN. I would like to continue to serve the Minnesota members as the Section Director and provide a continuing relationship with the American Water Works Association, I believe the connections with colleagues that I have made throughout the water industry and the contacts with other guiding members will be key to serving Minnesota in the years to come.
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Chair-Elect Candidates

BRIAN BERGANTINE, PE

Brian Bergantine (Bergie) is an Operations Manager with the regional consulting firm Advanced Engineering and Environmental Services, Inc. (AE2S) in Moorhead, MN. He is a licensed professional engineer in Minnesota, North Dakota, and South Dakota. Brian has been a consulting engineer for AE2S for over 17 years involved extensively in drinking water treatment and regional water systems. He specializes in the preparation of engineering analyses, evaluations, and reports; detailed plans and specifications; and project management. He holds a Bachelor of Science Degree in Civil Engineering from the University of North Dakota.

Brian has been actively involved with the Northwest Section of the Minnesota Section of the American Water Works Association (AWWA) since 2004, serving as the Trustee through September 2012. He is also the past co-chair for the Education and Research Committee for the North Dakota Section AWWA. He has provided training at the Northwest Section and the Central District Operator’s Schools and at the Surface Water Treatment Workshop sponsored by the Minnesota, North Dakota, and South Dakota Sections of AWWA. He also presented on a microfiltration/ultrafiltration (MF/UF) and reverse osmosis (RO) pilot study at the 2013 AWWA/American Membrane Technology Association (AMTA) Membrane Technology Conference & Exposition.

Brian, his wife Heather, and their daughters, Kylee and Jenna, enjoy spending time at his parent’s lake near Perham. He can often be found following his daughters around from sporting event to sporting event throughout the state.

Brian has established the following primary goals for the Minnesota AWWA Section, if elected:

- Continue to provide opportunities for participation in Section sponsored events, encouraging committee service, and expanding networking relationships with other water professionals in an effort to promote the value of membership. Our performance as a Section must outweigh the costs to our members so that they may see the value of their membership.

- Focus on existing and new ideas and concepts for providing knowledge and information to the members in a cost effective manner. Members will be encouraged to submit their concepts as there are no bad ideas.

JEFF LARSON

After graduating from Gustavus Adolphus College with a degree in Environmental Studies, a few years were spent working for an environmental consultant. Although a cubicle, hotels and driving around our great state in a Mitsubishi Galant was appealing, the lure and aroma of being an operator at the City of Waseca Wastewater Treatment Plant was too enticing. That’s how the magic started.

Since 2007, I have been the Water Superintendent for Marshall Municipal Utilities. I currently hold a Class A Water and Class C Wastewater license. Involvement with AWWA includes being the Vice Chair, Chair and Trustee for the SW District.

My family lives in Marshall and includes my wife Angie and daughters Emilie (8) and Audree (6). Since turning into my old man, hobbies include gardening, waging war against weeds in the yard and any excuse to hide in the garage.

Why AWWA? It is a necessity for our industry. Setting standards, research, training, the list goes on. Personally, the networking provided by AWWA has been the most beneficial and getting more people involved would be a primary goal. Who does not like to make or receive the call that starts off, “You will never guess what the hell happened here today?”

It is an honor to be considered for the position of Section Chair.
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## Exhibitor & Sponsor Registration Due August 16, 2013

### Your Company Information

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### Trade Show Exhibitor Booth Registration

- **Booths $320 (member), $460 (non-member) per booth.**
  - Qty: ______  $: __________
- Two Exhibitor Registrations are included per booth. Please list name(s) of Exhibitor Registrant(s):
  - 1. ____________________________  2. ____________________________
- Additional $60 per person
  - Qty: ______  $: __________
  (covers admission to the Vendor Exhibitor Show, lunch, and evening social). Please list Registrations name(s) of any additional Exhibitor Registrant(s):
  - Name: ____________________________  Name: ____________________________
  - Name: ____________________________  Name: ____________________________
  - Name: ____________________________  Name: ____________________________
- **Electrical Service $60 for each 110V service.**
  - Qty: ______  $: __________

### Booth Location

Booth Location List booth preferences here, if any. (See diagram on page 3 of Call for Exhibitors brochure.)
- 1: ____________________________  2: ____________________________  3: ____________________________

### Note

- Booth Registration Total  $: __________
- This does not include registration costs for the full three-day conference. Conference details and a registration sheet will be distributed at a later date.

### Conference Sponsor Registration

- Please check below to indicate that your organization wishes to be a Conference Sponsor. Sponsors have first priority in Trade Show booth assignments. Sponsors receive recognition throughout the Conference via such items as Conference signage, a prominent thank-you in the Conference Program, and recognition during the Member Appreciation Dinner Sponsors are appreciated as being supporters of MN AWWA at the highest level.
- **☐ We wish to register as a Conference Sponsor. Cost: $550**  $: __________

### Donations

To donate to the following, indicate your choices below. Donations help MN AWWA’s charitable efforts. Donors will receive special recognition at the Fall Conference.
- **☐ WFP Golf Tournament Hole Sponsor (Suggested Donation: $200)**  $: __________
- **☐ WFP Fishing Tournament Boat Sponsor (Suggested Donation: $200)**  $: __________
- **☐ YP Texas Hold’em Tournament (Suggested Donation: $100)**  $: __________
- **☐ Water for People (Suggested Donation: $ 50)**  $: __________
- **☐ David Morris Endowment (Suggested Donation: $ 50)**  $: __________
- **☐ WFP Sporting Clays Sponsor (Limit 5 ) (Suggested Donation: $100)**  $: __________

### Total Due

- Booth Registration + Conference Sponsor + Donations  $: __________

### Authorization and Payment

- Authorized Signature: ____________________________  Date: ____________________________
- **MAKE CHECKS PAYABLE TO MN SECTION AWWA.**
  - Registrations without payment will not be processed.
  - By registering, you agree to abide by the rules listed on the “Exhibitor Registration Information” page in the Call for Exhibitors brochure.
  - Application and payment must be received by August 16, 2013.
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2013 MN AWWA CONFERENCE GOLF TOURNAMENT

The Minnesota Associates Council (MAC) of the MN AWWA invites you to participate in our 26th Annual Golf Tournament. This year’s golf tournament will be held once again at the Lester Park Golf Course.

The tournament format will be a four-person scramble. You pick the team you wish to play with, or we can assign you to a team.

Individual prizes will be awarded for contest holes and team prizes will be awarded to 1st & 2nd places in both A flight & B flight. All prizes will be distributed at the clubhouse after the event.

Date: SEPTEMBER 10, 2013
Course: LESTER PARK GOLF CLUB
Times: LUNCH @ 12:00PM; SHOTGUN START @ 12:30PM
Cost: $65.00/PERSON (Includes: Green Fees, Cart, Lunch)

RESERVATION DEADLINE: SEPTEMBER 10, 2013
NO REFUNDS CAN BE MADE

Please complete and return as soon as possible to assure your reservation.
Any Questions or to Volunteer Call Brad Forester at 612-239-6444

Name: ___________________________________________ Representing: ___________________________________________
Street Address: __________________________________________
City: ___________________________ State: ___________________________ Zip: ___________________________
Phone: ___________________________ Fax: ___________________________

TEAM SELECTION:
☐ I have a team of four.
The full names of the people on my team are:
Name: ___________________________________________ Company/City: ___________________________________________
Name: ___________________________________________ Company/City: ___________________________________________
Name: ___________________________________________ Company/City: ___________________________________________
Name: ___________________________________________ Company/City: ___________________________________________

☐ I would like to be assigned to a foursome

PAYMENT:
$65.00/Golfer X ________ golfer(s) =$: __________________
Amount Enclosed $ __________________

Please mail your reservation form and check payable to MN AWWA to:
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Please see the website at www.epi-environmental.com
2013 WATER FOR PEOPLE FISHING TOURNAMENT

The Minnesota Associates Council (MAC) of the American Water Works Association invites you to participate in the Annual Fishing Tournament. We have reserved nine of the top charter boats out of the Duluth Harbor. Remember to bring an ice chest!

Date: TUESDAY, SEPTEMBER 10, 2013
Place: WATERFRONT PLAZA MARINA - CANAL PARK, DOWNTOWN DULUTH OR
LAKE HEAD BOAT BASIN - 1000 MINNESOTA AVE. DULUTH
Time: ARRIVE AT THE MARINA AT 12:30 P.M. – BOATS WILL DEPART AT 1:00 P.M., RETURN AT 6:30 P.M.
Cost: $110.00/PERSON ($50.00/STUDENT)
(refunds can be made if charter is cancelled due to bad weather)
Includes: All necessary fishing equipment, all required U.S. Coast Guard Safety equipment and fish filleting and bagging.
Note: a tip for the First Mate is not included. This is generally 10% - 15% of an individual’s portion of the Charter Boat Fee.

What to Bring: Warm clothing and soft soled shoes, rain gear, snacks and beverages, sunglasses, camera or video camera, cooler and ice for your fish, a current Minnesota fishing license with a trout stamp.

Deadline: AUGUST 16, 2013

The nine boats and captains are:
Treble Hook – Dave Dahl
Happy Hooker – Jon Dahl
Hooker Too – Peter Dahl
Blue Haven – Gerry Downes
The Office – Don Nelson
Captain's Choice – Tom Cheetham
Cetee II – Carl Brandt
Silver Fox – Greg Verdugt

Additional boats will be reserved if available and as required.
Each boat can take up to six customers. It’s first come first serve, so get your reservation in early.
All tournament questions should be directed to Doug Klamerus at (651) 704-9970.

Please fill out the reservation form below and send it with your check payable to MN AWWA to:
Doug Klamerus – Bolton and Menk, Inc., 2035 County Road. D East, Suite B, Maplewood, MN  55109-5314
Respond as soon as possible to ensure your reservation!

Name: ____________________________ Representing: ____________________________
Address: ____________________________
City: __________________ State: ______ Zip: ______
Email: __________________ Phone: __________________

BOAT/PARTNER SELECTION:
☐ I would like to be assigned to a boat.
☐ I would like to fish with the following persons:

Boat Sponsorship to be paid with main registration (Note: Only boat sponsors will be guaranteed to fish with a preferred list)
Boat Sponsors: My Company would like to sponsor the following boat (Suggested Donation: $200/boat):
and the full names of the people on my boat are:

Name: __________________ City: ______ Email: __________________
Name: __________________ City: ______ Email: __________________
Name: __________________ City: ______ Email: __________________
Name: __________________ City: ______ Email: __________________
Name: __________________ City: ______ Email: __________________
Name: __________________ City: ______ Email: __________________

PAYMENT:
$110.00 per Fisherman X ______ Fishermen = $: __________________
$50.00 per Student X ______ Students = $: __________________
Total Amount Enclosed $ __________________

☐ Optional Dinner: Yes, I will attend the informal dinner at the Timber Lodge Steak House after fishing. Door prizes will be distributed during dinner at the Timber Lodge. The Timber Lodge will cook your catch or you can order off the regular menu.
Cost of dinner not included in payment.
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WATER FOR PEOPLE/SPORTING CLAYS SHOOTING EVENT

The Minnesota Associates Council (MAC) of the American Water Works Association invites you to participate in the 6th Annual Sporting Clays Event.

Date: TUESDAY, SEPTEMBER 10, 2013
Location: OLD VERMILION TRAIL - CHECK WEB SITE @ WWW.OLDVERMILIONTRAIL.COM
Time: ARRIVE AT THE CLUB AT 10:00 A.M. FOR MORNING SHOOT, LUNCH AND ADDITIONAL AFTERNOON SHOOT
Cost: $45.00/PERSON FOR TWO ROUNDS OF 50 (will need four boxes of shells).

All questions should be directed to Shawn Mulhern at 651-773-5111 or smulhern@klmengineering.com

Please fill out the reservation form below and send it with your check payable to Mn AWWA to:
Shawn Mulhern
KLM Engineering
PO Box 897, Lake Elmo, MN 55042

Respond as soon as possible to assure your reservation!

Name: __________________________________________________________________________ Representing: __________________________________________________________________________
Street Address: ________________________________________________________________________________
City: ____________________________________________ State: ______________________ Zip: ______________________
Phone: ________________________________________________________________________________ Fax: __________________________________________________________________________

Name: __________________________________________________________________ Company/City: __________________________________________________________________________
Name: __________________________________________________________________ Company/City: __________________________________________________________________________
Name: __________________________________________________________________ Company/City: __________________________________________________________________________
Name: __________________________________________________________________ Company/City: __________________________________________________________________________

PAYMENT: Total Amount Enclosed $ ______________________
Minnesota AWWA – YP Texas Hold’em Tournament Sponsorship

The 97th Annual Conference of the Minnesota Section American Water Works Association will be held in Duluth, MN September 11-13 2013. For the sixth year the Young Professionals Committee will host a Texas Hold’em Poker Tournament to raise funds for the David B. Morris Endowment Fund. We are asking businesses to support the tournament with prize donations and/or table sponsorship.

The David B. Morris Endowment Fund is used to support education through scholarships that help advance the technology needed for providing safe drinking water to people of Minnesota. The primary objective is to increase the endowment so that scholarships will include vocational technical training in operations, professional studies in science or engineering, and advanced studies or applicable research in water related areas. Recognizing the significance of the scholarships provided by the endowment fund, we encourage you to participate and consider table sponsorship and/or prize donations.

Please join us as sponsors for the Texas Hold’em Tournament with a donation of $100 as a tournament sponsor and/or donate a prize. We will prominently display company sponsors at the tournament registration table and announce sponsors throughout the tournament. Send your $100 check and/or indicate your prize donations on the enclosed form and Return by August 16th.

Thank you in advance for your consideration, and we look forward to seeing you at the conference.

Sincerely,
Lucas Martin, Young Professionals Committee
Minnesota Department of Health
P.O. Box 64975,
St. Paul, MN 55164-0975
651.201.4144 - Office
651.201.3978 - Fax
lucas.martin@state.mn.us

☐ Yes, I wish to support this year’s Texas Hold’em Tournament to benefit the David B. Morris Endowment Fund.
☐ I have enclosed my check for $100 for a tournament sponsor.
☐ I will bring my prize(s) to donate to the tournament. Please fax or email this form.

Contact Name: ____________________________________________
Company Name (to appear on acknowledgements): __________________________
Street Address: __________________________________________________________
City: ___________________________ State: __________________________ Zip: __________
Phone: ___________________________ Fax: __________________________
E-mail: ___________________________

Please make checks payable to: MN Section AWWA
Mail your check with this form to:
Lucas Martin
Minnesota Department of Health
c/o MN Section AWWA
P.O. Box 64975
St. Paul, MN 55164-0975

Fax: 651.201.3978
lucas.martin@state.mn.us

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AquaSense is scalable to fit the needs of large and small utilities alike, realizing day-one savings, short-term payback and technology that will grow with you into the future.

Tomorrow’s water management breakthrough is available today. AquaSense water management solution.
A Salvation Army Volunteer Services truck drives by, delivering sandwiches to weary volunteers and Moorhead Public Service employees on the cold morning of March 21, 2009. The sandwiches and snacks provide a moment of levity in the early-morning hours near the Red River during the flood fight and potential historic River crest. The Moorhead Public Service (MPS) truck is still running, giving news over the radio and providing heat, necessary to stay awake during the overnight standby watch of Moorhead’s River Pump Station. If you listen carefully, you can hear the flood waters of the river lap up against the sides of the sandbag/sheet pile levee constructed near the edge of the station. The water plant operators and staff of MPS still tell the stories of the sobering flood fight of 2009 with a hint of nostalgia in their voices—nostalgia not gained by fond memories, but rather that of shared sacrifice and camaraderie that helped protect the city during the historic flood fight.

Following the flood fight of 2009, MPS staff, in cooperation with Advanced Engineering and Environmental Services (AE2S), pursued aid from the Federal Emergency Management Agency (FEMA) and Minnesota Homeland Security and Emergency Management (MN-HSEM) for a grant providing for the construction of a new Intake and Pump Station that would be flood-resistant. The task was not an easy one; MPS and AE2S had to conceptualize a Pump Station and Intake that would update a 1960s facility, provide flood protection, and deliver water to the Moorhead Water Treatment Plant during times of little to no flow. Continued reliable pumping of river water was critical as the river is the primary water source for the city of Moorhead. There have been four significant flood events in just the past twelve years with flood stages of 39.57 feet in 1997, 36.69 feet in 2001, 37.13 feet in 2006, and 40.82 feet in 2009; each of these flood events had severely crippled MPS’s ability to reliably provide a continuous, safe water supply for its users. It was clear that the multiple occurrence and severity of flood events necessitated an improvement to this facility.

To put these flood events into perspective, the river is normally about 14 feet below the levee. Figure 1 - Sheet-pile levee during flood of 2009 protecting River Pump Station building (to left)
feet deep at the intake site, and the river
can nearly triple its normal depth during a
flood event. The river typically rises above
18 feet, considered the flood stage for
the river. Water begins to leave the natural
river channel banks at Moorhead, at least
once per year if not several times each
year, and the time that the river remains
above 18 feet can be lengthy, often mea-
sured in months rather than days.

Three factors created significant oper- tion issues for MPS.

Access to River Intake: Even during
minor flood events (river stage ≥ 18 feet),
the river intake would become submerged
and could not be cleaned with the exist-
ing manual bar screen. As a result, the
screen became plugged, severely limiting
the capacity of the intake. For example,
during the 2009 flood event, the river
intake was inaccessible for over 60 days
and provided only approximately 25 per-
cent of the desired capacity.

Uplift Pressure on Pump Station: The
pumps in the old river pump station were
located on a floor at a river-stage elevation
of 22 feet. As such, when the river would
rise above 22 feet, MPS was forced to
plug floor drains and brace the pumps and
hatches to resist uplift pressures inside the
structure. In review of the original design
drawings, it is clear that the river pump sta-
tion is supported by a spread footing rather
than deep piles, which are commonly used
today to resist buoyant forces.

Pump Station Flooding: To hold back
flood waters, MPS constructed a clay
levee and sheet pile wall around the pump
station to protect the structure from flood
waters (Figure 1). The clay levee was
constructed to approximately a 40-foot
river-stage elevation, which was insuf-
icient to protect the structure from the
2009 flood event. As a result, MPS was
forced to weld steel I-beams on top of the
sheet piles and place sandbags on top of
top of the clay levee to prevent flooding the
pump station during the 2009 flood.

To overcome these obstacles and
enhance reliable operations, AE2S de-
veloped a novel design concept: create
a new, elevated pump station on top of
the existing pump station. This concept
overcame a number of challenges, one
of them being that the new pump station
must be constructed at the same site as
the original pump station—a provision
of the Federal Emergency Management
Agency (FEMA) funding. In addition, the
new pump station would be supported
by deep foundation piles that would not
add any significant weight to the existing
structure and riverbank, a critical part of
the project. The soils near the pump sta-
tion riverbank are very unstable, and the
use of piles was vital to alleviate addition-
al stress added by the new structure on
the riverbank that could potentially form
a slip-plane that would damage the new
or existing structure. The new structure
would be elevated approximately 10 feet,
providing protection to the FEMA 500-
year flood level of 45 feet and giving the
expanded footprint necessary to house
new Variable Frequency Drive pumps
and controllers.

The design of the intake structure
was also a critical part of the project as
the flow and corresponding height of the
river is extremely variable. The concept of
the new intake was to place the intake in
the center of the river channel, enabling
reliable intake of river water impervious to
the river stage. This is in contrast to the
previous location of the intake bar-screen
on the riverbank, which was plagued with
access and debris clogging issues.

As AE2S and MPS were also keenly
aware, the recent discovery of a zebra
mussel veliger near Wahpeton, North
Dakota, also provided an opportunity
to mitigate this potential threat before it
became a significant problem. A Johnson
Screens, semi-circular screen with a low-
profile design constructed of zebra-mus-
sel-resistant zinc alloy was placed at the
center of the river channel and provided
with a concrete screen protector (Figure
3). Due to the shallow location of the
screen, it was critical that the screen was
placed near the river bottom. To keep the
screen clean of debris, the screen was
also equipped with an air-burst system.

The construction of a new River Pump
Station and Intake Improvements project
has allowed MPS to focus on normal
operations during flood events instead
of the heightened concern, significant
sandbagging effort, and 24-hour watch
required previous to the completion of
construction. Now, during floods such as
those experienced in 2013, MPS staff
can refocus its staff efforts to normal plant
and preventative maintenance operational
activities with only minor inspection of the
pump station during flood events and can
leave the nostalgia in the past.
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Robert A. ‘Happy’ Pfelterthye has joined the Plymouth office of the Jacobs and Brinkhoff Group, Ltd. as a senior engineer with the water distribution division. Pfelterthye is a graduate of Mankato State University (now Minnesota State, Mankato) with a degree in environmental sciences. He received his master’s degree from New Mexico State in Las Cruces, New Mexico, and worked for 23 years on water reclamation projects in Arizona, New Mexico, and Utah. He spent the last four years at Cadwell Pieper Associates in Monona, Wisconsin.

Newsmaker Notice:

If you have recently been promoted, passed an exam, become certified, retired, become a parent, etc..., the Breeze would like for you to submit a small write-up and a face picture for consideration for the Member Update Section. Please send the information to Stew Thornley at stew.thornley@state.mn.us.
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Ventura on Fluoride

Aaron Ruper of City Pages picked up on a podcast interview in which Jesse Ventura explained his thoughts on fluoride in water. Ventura said, “We have lost sight as a people in this country to the fact that the government works for us, we don’t work for the government. . . . It’s our money that runs the government, therefore we’re the boss. We’ve lost sight of that.”

When asked to elaborate, the former Minnesota governor, color analyst for the XFL, and contender (with Adrian Adonis) for the American Wrestling Association tag team championship, expounded, “You’re asking me now, what, to be a psychologist? I’m not sure. I laughingly, and maybe not laughingly, tell you it might be the water. Well, the reason is fluoride—that’s required by federal government—makes every city put fluoride in the water and they’ve been doing it since the 1950s allegedly so we have nice teeth.

“And the point being, mostly, fluoride in water was first done by—you know by who? The Nazis. The Nazis were the first people to put fluoride in water so we learned that from them. Now here’s the big point. When you laugh about it, it might be more serious than you think. I learned this doing my television show.

“The Nazis were the first to put fluoride in the water, but fluoride is roughly 90 percent the component of Prozac. If you’re drinking fluoride water for 20 years, you’re drinking liquid Prozac. Well, over the years it probably stores up in your body and maybe that’s why [the American people are so apathetic about politics]. Because what does Prozac do? And why would the Nazis put Prozac in the water? Well, to obviously calm and docile [sic] the people. Make them, you know, more sheepish.

“Maybe I am like I am, for whatever reason, not knowing that [in] all the houses I’ve had my adult life I’ve had my own well. So I haven’t been drinking fluoridated water. So maybe that’s why Jesse Ventura questions the government more and why I do what I do, and I don’t go along with the status quo.”

Note: The views of Mr. Ventura are his own and do not necessarily represent the opinions of Minnesota AWWA -- or anyone else.
Governor Mark Dayton proclaimed May 5-11 as Safe Drinking Water Week in Minnesota, and Lt. Governor Yvonne Prettner Solon posed with Steve Schneider and Carol Blommel Johnson of Minnesota American Water Works Association (on her left) and Ed Ehlinger of the Minnesota Department of Health and Robyn Hoerr of Minnesota Rural Water Association (on her left). During Safe Drinking Water Week the Health Department released its drinking water annual report, which is at http://www.health.state.mn.us/divs/eh/water/com/dwar/report2012.pdf.

Committee Updates

The Awards Committee met on May 15 to continue discussing procedures for award nominating, advertising, and presenting awards for 2013. The Awards Committee has openings for additional members. Anyone interested may contact Nancy Zeigler at 763-287-8316, nzeigler@wsbeng.com. Committee members attend three meetings per year (either in person or by conference call) and perform various tasks between meetings to meet the committee’s goals. MNAWWA awards for 2013 will include, at a minimum: Fuller, Thompson, Operator’s Meritorious Service Award, Volunteer of the Year, Life Members (and, if appropriate, Gold Water Drop Members), and Membership Achievement.

Water For People chair Chris Voeltz reports that the benefit concert on April 19 was “another successful evening of music and entertainment.” Classic American Rockers and comedian Craig Allen provided the entertainment. Sales of raffle tickets “exceeded our expectations, and one lucky winner, Rod Ganther’s father, won a half-barrel of beer provided by local breweries. The Water For People golf tournament May 23 had the largest turnout in years, 108 golfers, and raised $2,044. Committee representative Dave Brown of Bluestone Engineering has returned from Malawi and will make a presentation on his trip at the section conference in Duluth as well as at district school.

More than $1,300 was generated in fundraising at the Southwest, Metro, and Northeast district schools this year. Upcoming Water For People events include a 5K run and walk August 9 and a motorcycle ride August 17.
Poster contest

Alyssa Vang of Burnsville High School, flanked by Randy Ellingboe and Tannie Eshenauer of the Minnesota Department of Health, displays her winning poster on water for a contest sponsored by the Minnesota Department of Health, H2O for Life, Dow Water and Process Solutions, Bongard Corporation/Elkay, and the Minnesota Section of American Water Works Association. For Vang’s art work and creativity, her school received a bottle filling station.

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The central Minnesota city of Belgrade has been supplying water to its residents for nearly 70 years. Its first plant was built in 1945, and in 1961 the city added gravity filters to remove iron and manganese. A 28,000-gallon tank for backwash was built in 1995.

As Belgrade grew to more than 700 people at the turn of the century, the city also faced the news that the federal standard for arsenic would be lowered soon. In 2006, the maximum contaminant level (MCL) went down from 50 parts per billion (ppb) to 10 ppb.

Belgrade used two wells adjacent to the treatment plant. One was low in arsenic, but the other had levels around 40 ppb. By blending the wells, the city was able to comply with the stricter MCL, barely. The ‘barely’ was added by public works superintendent Tony Olson, who also said that the low-arsenic well was ‘slowing down,’ leading to fears that it would not be able to continue to produce enough water needed for the blending.

The treatment facility was also showing its age, and it was apparent action was needed for the city to continue to meet its average daily demand of 90,000 gallons and peak demand of 240,000 gallons.

A pilot study, conducted with SEH, Inc. in the winter of 2009-2010, showed that new wells and a new backwash were needed and that a new plant would need to be built or the existing one rehabilitated.

A test well located in an industrial-park area in the northeast section of Belgrade indicated a water source with no arsenic but with higher levels of iron and manganese. The city drilled two new wells, ranging in depth from 187 to 189 feet, in this area.

“They were lucky enough to find these wells that don’t have arsenic,” said Jeff Ledin, a member of the SEH design team along with Chad Katzenberger and John Thom. “Iron’s great. We can treat that all day long. Arsenic—we have to work at that.”

As part of the pilot study, the design team, public-works officials, and city council members toured nearby plants in Richmond, Clara City, and Kensington. In addition to the treatment processes in those plants, the group paid attention to the building and facilities design. “We learned to separate the office and controls,” said Olson. “It’s not as noisy.”

At the conclusion of the study, the city opted for a new treatment plant adjacent to the wells in the industrial park with a backwash tank outside the plant. A new plant eliminated the need for a line from the previous site to the new wells, and the 30,000-gallon backwash tank reclaims about 80 percent of the water.

The new treatment plant has two pressure filters, each with 12 inches of anthracite on top of 18 inches of silica sand. Darren Braegelman, who operates the plant, said chlorine and fluoride, along with a polyphosphate for corrosion control, is added to the water after it passes through the filters. Single-stage pumping from the wells gets the water to residents.

The new plant went on line March 17, 2011. Its masonry exterior fits with the surroundings of the industrial park. The old plant was demolished and the wells sealed although the 100,000-gallon tower on the site remains.

The final cost of the project was $1,687,000 and financed with a slight increase in water rates as well as through a combined loan and grant package from the Minnesota Department of Health Drinking Water Revolving Fund and Public Facilities Authority as well as a small city’s grant from the Minnesota Department of Employment and Economic Development.
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As we continue to deliver valuable information through the pages of this magazine, in a printed format that is appealing, reader-friendly and not lost in the proliferation of electronic messages that are bombarding our senses, we are also well aware of the need to be respectful of our environment. That is why we are committed to publishing the magazine in the most environmentally-friendly process possible. Here is what we mean:

- We use lighter publication stock that consists of recycled paper. This paper has been certified to meet the environmental and social standards of the Forest Stewardship Council™ (FSC®) and comes from responsibly managed forests, and verified recycled sources making this a RENEWABLE and SUSTAINABLE resource.

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Name _____________________________________________________
Title _______________________________________________________
Company Name ______________________________________________
Is your company a member of AWWA?  ☐ Yes  ☐ No
Company Member number (if known) ______________________________
☐ Home  ☐ Business
Address ____________________________________________________
City _______________________________________________________
State/Province __________ ZIP/Postal code _____________ Country _____
Phone  ____________________________________________________
Email  _____________________________________________________

Were you referred by an AWWA member?  ☐ Yes  ☐ No
Referring Member_____________________________________________
Member # (if known) __________________________________________

Section 2 Payment

☐ Individual Active $170
An individual, such as a water utility employee, municipal official, public health professional, engineer, scientist, educator, consultant, or other person interested or serving in the field of water supply. (02)

☐ Young Professional $99
A special discount for first-year dues for individuals interested or serving in the field of water supply, who are age 35 or younger, or new to the water industry. (YP2013)

☐ Operations/Administrative $70
An individual employed in any operating or administrative position by a water utility that has 1,000 or fewer service connections or any employee below the supervisory level in a utility that has more than 1,000 service connections. (06)

☐ Student $28
A student enrolled in a minimum of nine credit hours (or the equivalent) of accredited classes. (14)

Signature _____________________________________ Date__________
By signing this application, you certify that you have selected the appropriate membership category.

Section 3A Annual Dues

☐ Individual Active $170
☐ Young Professional $99
☐ Operations/Administrative $70
☐ Student $28

Section 3B Section Assessments

AWWA has 43 local Sections in North America. You are automatically enrolled in a Section based on your address. Some Sections require additional fees to better serve their local members. The Section assessment is required if your address is located in one of the following areas:

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<td>Alberta, Arizona, Illinois, Kentucky, Manitoba, Northwest Territories, Saskatchewan, Texas, Wisconsin</td>
<td>$17</td>
<td>$7</td>
</tr>
<tr>
<td>Florida, Georgia, Indiana, Iowa, South Carolina</td>
<td>$34</td>
<td>$14</td>
</tr>
<tr>
<td>California, Maine, Massachusetts, Nevada, New Hampshire, Rhode Island, Vermont</td>
<td>$68</td>
<td>$28</td>
</tr>
</tbody>
</table>

Section 3C Additional Section Options

In addition to your Section membership, you may join other AWWA sections. There is a $33 multi-section fee, plus the assessment fee for the second section. Please call 1.800.926.7337 for more information and assessment fees.
Section 4  Tell Us About Yourself

All applicants must complete this section.

What one business activity best describes your company?  
(Please check only one)

☐ A  Public Water Supply Utility—Municipally owned
☐ B  Public Water Supply Utility—Investor owned
☐ C  Government—Federal, State, Local
☐ D  Consulting Firm
☐ E  Contractor
☐ F  Private Industrial System or Water Wholesaler
☐ G  Manufacturer of Equipment & Supplies (including representatives)
☐ H  Distributor of Equipment & Supplies (including representatives)
☐ I  Educational Institutions (faculty & students), Libraries and other related organizations
☐ J  Fully Retired
☐ K  Research Lab
☐ L  Other allied to the field (please specify) ________________________

What one category best describes your job title?  
(Please check only one)

☐ A  Executive (General Manager, Commissioner, Board Member, City Manager, Municipal Superintendent, Mayor, President, Vice President, Owner, Partner, Director, etc.)
☐ B  Management/Non-Engineering (Division Head, Section Head, Manager, Department Head, Comptroller, etc.)
☐ C  Design and Engineering/Both Managerial and Non-Managerial (Chief Engineer, Civil, Mechanical, Electrical, Environmental, or Field Engineer, Planning Manager, System Designer, etc.)
☐ D  Scientific/Non-Managerial (Chemist, Biologist, Biophysicist, Researcher, Analyst, etc.)
☐ E  Purchasing (Purchasing Agent, Procurement Specialist, Buyer, etc.)
☐ F  Operations (Foreman, Operator, Maintenance Crewman, Service Representative, etc.)
☐ G  Marketing & Sales/Non-Managerial (Market Analyst, Marketing Representative, Salesperson, Sales Representative, etc.)
☐ I  Professorial (Educator, Teacher, etc.)
☐ Z  Other (please specify) _____________________________________

What one category best describes your field served/principal activity?  (Please check only one)

☐ 9  Both Water Supply & Wastewater
☐ 5  Water Supply Only
☐ 7  Wastewater Only
☐ 3  Other

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3 Ways to Join

1. Apply online at www.awwa.org/join
2. Fax completed application to 303.347.0804
3. Mail completed application to
   AWWA Customer Service
   6666 West Quincy Avenue
   Denver, CO 80235-3098

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Dues and Section assessment rates valid through December 31, 2013. Dues are not deductible as charitable contributions for income tax purposes. The following is for USPS periodical mailing requirements only. In some AWWA Sections, a portion of the Section allotment equal to 50% or more of the domestic subscription rate charged for the Section periodical will be allocated toward a subscription to that periodical. Allocation for each publication recipient authorized—Journal - American Water Works Association—$50; Opflow—$16. Student members and members with APO/FPO addresses will receive e-periodicals only. Operator members receive Journal AWWA online. Print periodicals may be purchased for an additional fee.

NOTE: Member's phone numbers and email addresses are protected under AWWA's Privacy Policy.
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» GPS navigation and driving directions

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