use rainwater for irrigation

Inside:
2015 Annual Conference Preview
Lewis & Clark Reaches Minnesota
AWWA Updates
CASE STUDY

Winona's Wincrest Water Tank Continues to Perform Well

Installed: 2008
Tank Type: Composite Elevated Tank
Storage Capacity: 400,000 Gallons
Engineer: Short Elliott Hendrickson
Contractor: Engineering America

PROJECT OVERVIEW:
Engineering America crews completed the Wincrest water tower in August 2008 for the city of Winona, Minnesota. The 143-foot-tall structure has a capacity of 400,000 gallons and serves the far southwest quadrant of the city.

A life cycle maintenance analysis studied the cost of painting a welded steel water tower over a 50-year life cycle. City officials awarded the project based on a present worth analysis that showed a substantial savings by using Engineering America’s Aquastore composite glass-fused-to-steel elevated tank.

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### Features

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>99th Annual Conference Preview</td>
<td>15</td>
</tr>
<tr>
<td>AWWA Connections</td>
<td>39</td>
</tr>
<tr>
<td>St. Paul Saints now using rainwater for irrigation</td>
<td>42</td>
</tr>
<tr>
<td>Lewis &amp; Clark reaches Minnesota</td>
<td>45</td>
</tr>
</tbody>
</table>

### Departments

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Message from the Chair</td>
<td>6</td>
</tr>
<tr>
<td>Message from the Director</td>
<td>8</td>
</tr>
<tr>
<td>Message from the Editor</td>
<td>11</td>
</tr>
<tr>
<td>AWWA Updates</td>
<td>12</td>
</tr>
<tr>
<td>News &amp; Notes</td>
<td>51</td>
</tr>
<tr>
<td>Industry News</td>
<td>57</td>
</tr>
<tr>
<td>Professional Directory</td>
<td>60</td>
</tr>
<tr>
<td>Ad Index</td>
<td>61</td>
</tr>
</tbody>
</table>

Visit us at [www.mnawwa.org](http://www.mnawwa.org)
ACE 15 has come and gone. It was the 134th annual conference for AWWA. It’s amazing what this association has accomplished since its inception. As a first-time attendee, I was impressed, and the take away was different than expected.

There were 18 different session tracks to choose from. The majority of two days was spent attending the Best Practices for Watershed Management track. Two back-to-back international sessions are most memorable. They were Water Reclamation and Reuse in Spain’s Segura Watershed and the Ganges River Experience in India. The mayor of Anaheim also gave a keynote speech noting the continued California drought and that Orange County’s water reclamation plant treats and pumps 8 million gallons a day of wastewater back into the aquifer.

As with other conferences attended, the thought was to come away with technical advice and new things to try. This still happened but the most important take away was a realization that things aren’t so bad in Minnesota in terms of water supply and quality. I’m still reserving the right to complain about winter and the Vikings. Also, if you want to get good at dodging strollers and motorized carts, go to Disneyland.

Dozens from the Minnesota Section attended ACE. A special congratulations and thank you goes to the following for representing the Minnesota Section: The East Side Tapping Team from Minneapolis for participating in the Pipe Tapping competition. Travis Reichl from the City of Albert Lea for participating in the Meter Madness competition. Dhritikshama Roy for placing second in the Fresh Idea poster competition.

Yet to come is the 99th Minnesota Section Annual Conference in Duluth. This is truly an all-around great event. On behalf of the board, I’d like to invite all members and nonmembers to attend. The dates are September 16-18, 2015. The Annual Conference and ACE give me a deeper respect for the gains that have been made, hope for taking on the challenges ahead, and a greater appreciation to all who volunteer for AWWA.

---

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In January this year, I was elected Vice-President of AWWA with Steve Dennis (California/Nevada), Brian Stegiltz (Michigan), and Martha Segal (Kentucky/Tennessee). I look forward to representing the Minnesota Section and the Association, and further participating in the direction of the Association. Many Thanks to the City of Eagan for allowing the opportunity, the Minnesota Section for the nomination, and my family for the support. The term formally began after ACE15 and will end after ACE17.

ACE
The Annual Conference and Exposition (ACE) was changed slightly this year per the request of the exhibitors; the exhibit was held three full days versus the previous two half days and two full days. Overall, the weekend workshops, exhibition, and conference were well attended (slightly ahead of last year with an estimated attendance of 11,325) and had very positive reviews.

Congratulations to…
Tony Belden, who received the Fuller Award and posed for a photo with President John Donahue, AWWA CEO David LaFrance, and past awardees David Schultz, Yasser AbouAish, and myself.

Dhritikshama Roy, the second place winner in the ACE15 Young Professional / Student Fresh Ideas Poster competition for her poster entitled “Ammonia Oxidizing Archaea in Drinking Water Plants and Distribution System.” The first place winner was David Yonge from the Florida Section for his poster entitled “Assessing Hollow-Fiber Membrane Performance Using Bench-Scale Laboratory and Pilot-Scale Field Methods.”

Saint Paul Regional Water Services (SPRWS), for receiving the “Presidents Award for the Partnership For Safe Water. And the Minnesota Section members who competed in Meter Madness and Pipe Tapping…Nice job everyone!

Our Association…
Continues to thrive! Membership has steadily grown from the 2012 decline and was almost 50,500 members strong as of the beginning of May. Financially, the Association continues to do well (slow steady growth). To better control liabilities, the Association froze the pension almost a decade ago and has formed a working group to better time the plan termination and re-allocate funds.

The Association Board listens to President-Elect candidates speeches at the ACE board meeting. Candidates give a second speech at the upcoming winter board meeting in January before the formal election takes place (at the same meeting). The President-Elect candidate is Brenda Lennox of the Pacific Northwest Section.

The Association signed cooperative agreements with the Australian Water Works Association (AWA) and the Inter-American Association of Sanitary and Environmental Engineering (AIDIS) improving our international stature and relationships.

Tom Curtis, Deputy CEO and head of the Washington, D.C. office is retiring as of July 1, 2015. Tom has been a steady force in Washington and will be greatly missed.

Updates
India
AWWA’s overall strategic plan has an “International” component; to increase the relevancy of the Association’s knowledge resources for global water professionals.

In 2014, AWWA chose to pursue an office in India. There were, and continue to be, LOTS of challenges. To save time and cost, the Association partnered with MCI (an international company with 61 offices in 31 countries); a company that helps others setup and start businesses internationally. MCI will provide an office...
infrastructure, outreach, marketing and communication, and a business strategy. Branded AWWAIndia, it is estimated to be financially independent in 3 years and will pay back the initial investment in five years or less. Key performance measurements have been determined for membership, training, and building a community of water professionals. AWWAIndia will report to the AWWA CEO and provide updates to the Board.

Officially, the AWWAIndia office opened July 1, 2015.

Government Affairs
The Association’s big issues are…
• Freeing WIFIA …eliminate the prohibition on using tax exempt debt in WIFIA projects.
• Funding WIFIA…the initial money for WIFIA was only to start-up the program, not give out loans.
• No reduction in SRF funds…either maintain or increase the funding level.
• Protect tax-exempt bonds…to the current level.
EPA is considering regulating the following…
• Finished water storage tanks…based on foreign objects found.
• Legionella in premise plumbing…based on disease data.
• Lead service lines…requiring the removal from both public and private property.
• Cyanotoxins…a health advisory is coming soon; AWWA has created a guide to address the issue.
• Chemical storage tanks…no construction and/or maintenance standards exist.

Major Initiatives
The Association is working on three major initiatives…
• Water Supply Operations (WSO) series – The product has been declining because it does not match the market place. The Association will be re-engineering (unbundle and reorganize) the series to better align with the market places (working with ABC to align based on testing levels). The estimated payback will be 5 years.
• Digital Subscription Model – an ala-carte model of standards, manuals, data products, and videos. The model is being developed and evaluated as an alternate revenue source.
• 21st Century Membership Model – We have a well-established model but are looking to improve it. Identified that we must work with volunteer leaders, Sections (43), Association staff, and key members (Utilities – where most of the business lies) to make sure everyone is heard. Phone interviews were performed and evaluated.

Dues
The last membership dues model was made in 2011 for years 2013-15. The model is to be updated every three years. The new membership model predicts…
• a 2.5% increase per year for Service Providers and Utilities
• a $4, $5, and $5 increase respectively for individuals and international members (for the respective years)
• The other categories will remain flat (no or a very minimal increase)
Dues changes are for the 2016-18 rate model and assume no growth in membership.

Questions?
As always, if you have any questions about the Association, please contact me via email at jeaton@cityofeagan.com. See you at the MNAWWA Fall Conference!
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Kicking butt

I’m making progress after last fall’s surgery and am down from six legs to three (swapping out my walker for a cane). I’m not really kicking butt – kicking shin would be a better description since that’s as far as I can lift my leg – and I’m slow but at least steady.

It’s nice to be back full-time at the Minnesota Department of Health, where we get things done while having a good time doing it. And so it is with Minnesota AWWA. As I write this, we are planning for our annual water taste test at the State Fair. The Great Minnesota Tap Water Taste Test will be on the Sustainability Stage in the EcoExperience Building. A solid and stolid group of volunteers – especially Todd Bredesen, Steve Schneider, and Carol Blommel Johnson – gather and take in water samples from around the state, and Bruce Wilson brings down his own sample from International Falls every year. The Great Minnesota Tap Water Taste Test has been a way to promote awareness and education about tap water every year.

One of the fun breaks for me this summer was the Society for American Baseball Research convention in Chicago. While there, I got to go to two games at my favorite place on the planet, Wrigley Field. Wrigley is going through some major construction. Fortunately, the rest rooms were ready, unlike during the season opener when people had to improvise (guys found new uses for empty beer cups, and I’m not sure what the women did), although I found that there were still some uncompleted aspects of the construction that provided challenges.

“The Great Minnesota Tap Water Taste Test will be on the Sustainability Stage in the EcoExperience Building.”
AWWA Updates

June 2015 AWWA Updates
by Jon Eaton

Standards
AWWA publishes over 170 standards that provide requirements for design, installation, performance, and manufacturing of products including pipe, chemicals, storage facilities, valves, meters and other appurtenances and industry-recognized consensus requirements and practices for water utility management and operations.

AWWA is accredited by the American National Standards Institute (ANSI) as an approved standards developing organization for the water industry. Accreditation signifies that procedures used by AWWA in connection with the development of American National Standards meet the Institute’s essential requirements for openness, balance, consensus and due process.

The following standards were approved by the Association at the June 2015 Board meeting:

• C116/A21.16 Protective Fusion-Bonded Coatings for the Interior and Exterior Surfaces of Ductile Iron and Gray-Iron Fittings
• C203 Coal-Tar Protective Coatings and Linings for Steel Water Pipe and Fittings
• C210 Liquid Epoxy Coatings and Linings for Steel Water Pipe and Fittings
• C504 Rubber-Seated Butterfly Valves
• C670 Online Chlorine Analyzer Operation and Maintenance
• C708 WITHDRAWAL: Direct-Reading, Remote-Registration Systems for Cold-Water Meters
• E103 Horizontal and Vertical Line-Shaft Pumps
• A100 Water Wells (Standards Council ballot closes 6/3/15, public review closes 7/13/15)
• C509 Resilient Seated Gate Valves for Water Supply Service (Standards Council ballot closes 5/28/15, public review closes 7/13/15)
• C512 Air Release, Air/Vacuum, and Combination Air Valves for Water and Wastewater Service (Standards Council ballot closes 5/20/15, public review closes 6/22/15)
• C514 Air Valve and Vent Inflow Preventer Assemblies for Potable Water Distribution System and Storage Facilities (Standards Council ballot closes 6/3/15, public review closes 7/13/15)
• C515 Reduced-Wall, Resilient Seated Gate Valves for Water Supply Service (Standards Council ballot closes 5/28/15, public review closes 7/13/15)

Policy Statements
Policy statements provide a record of the Association’s stance on a variety of issues and reflect the diverse interests of the membership.

The policy statement development process for the Association is designed to be open to full participation of the membership and to ensure careful review by appropriate AWWA boards, committees and other membership entities.

The following policy statements were approved by the Association at the June 2015 Board meeting:

• Safety (revised)
• Operator Certification (revised)
• Financing, Accounting, and Rates (revised)

View any of the AWWA policy statements by visiting the following link on the web: http://www.awwa.org/about-us/policy-statements.aspx.

“Accreditation signifies that procedures used by AWWA in connection with the development of American National Standards meet the Institute’s essential requirements for openness, balance, consensus and due process.”

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AWWA Guest Program Agenda*

Coordinators: Monica Watry (320-221-0943) & Miriam Troitte (701-740-5343)

<table>
<thead>
<tr>
<th>Wednesday, September 16, 2015</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 - 9:20am</td>
<td>Meet &amp; Greet</td>
<td>Inn on Lake Superior, Canal Park</td>
</tr>
<tr>
<td>9:30am - 12:30pm</td>
<td>Art on the Rocks (canvas painting)</td>
<td>Canal Park</td>
</tr>
<tr>
<td>1:00 - 2:30pm</td>
<td>Lunch</td>
<td>Little Angie’s Cantina, Canal Park</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thursday, September 17, 2015</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 - 11:30am</td>
<td>Cooking with Herbs</td>
<td>Inn on Lake Superior poolside</td>
</tr>
<tr>
<td>12:00 - 2:00pm</td>
<td>Train Excursion and lunch</td>
<td>Duluth Depot</td>
</tr>
</tbody>
</table>

* Agenda is subject to change and will be included in guest package at time of registration. Thank you.

AWWA Representative

Paula I. MacIlwaine
Deputy Chief Executive Officer
American Water Works Association

As American Water Works Association Deputy CEO, Paula MacIlwaine is directly responsible for work with business units involving conferences, sales, technical and engineering, and publications. She works closely with the AWWA governance and volunteer leaders who faithfully serve AWWA. Ms. MacIlwaine joined AWWA in 1986 and since has held various positions that have given her an extensive knowledge of the industry, volunteers, sections, and the business of AWWA.

She has more than 29 years of experience in leading staff and volunteers, who recognize she places a high value on customer service and support. Ms. MacIlwaine has strong, proven team-building skills, reflecting her expertise in communication, leadership training, and the business of managing AWWA.
Registration information

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- Being an Exhibitor is a great way to make your support of MN AWWA highly visible to its members.

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http://www.mnawwa.org/event/2015AnnualConference

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**Boerger Minnesota Representative:**

**Pat Malay**
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### Conference Program at a Glance

<table>
<thead>
<tr>
<th>TUESDAY 15TH</th>
<th>WEDNESDAY 16TH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Track</strong></td>
<td>Opening/General Session</td>
</tr>
<tr>
<td><strong>Room</strong></td>
<td>Harbor Side Ballroom</td>
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<tr>
<td><strong>Moderator</strong>: Pat Shea</td>
<td><strong>Moderator</strong>: Carol Kaszynski</td>
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<tr>
<td>8:00</td>
<td>Opening By MN AWWA Chair, Jeff Larson</td>
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<tr>
<td>8:15</td>
<td>So I’ve Got the (SCADA) Data, Now What? Rudy Engert, Schneider Electric - Wonderware</td>
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<tr>
<td>8:45</td>
<td>Roadmap to Data Availability with a Secure SCADA Network: Steve Crumley, Minneapolis Division of Water Treatment and Distribution Services</td>
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<tr>
<td>9:00</td>
<td>Water For People</td>
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<td>9:30</td>
<td>Keynote Speaker</td>
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<td>10:00</td>
<td>Vendor Exhibition which runs from 10:15 to 3:30 Pipe Tapping @ 10:30 Taste Test Prelims @ 11:00</td>
</tr>
<tr>
<td>11:00</td>
<td>Pre-Conference Board Meeting (10:30 start) Room 202</td>
</tr>
<tr>
<td>12:00</td>
<td>Lunch Provided</td>
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<tr>
<td>1:00</td>
<td>Two Unique Approaches to Developing and Implementing Water Main Replacement Prioritization Plans: Rich Hibbard, St. Paul Regional Water Services</td>
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<tr>
<td>2:00</td>
<td>Water Distribution Asset Inventory: An Asset Management Approach for Valves and Hydrants: Paul Schumi, Wachs Water Services</td>
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<tr>
<td>3:00</td>
<td>High Frequency Real Time Data from Online THM Monitors Lead to More Cost Effective THM Remediation Solutions: Tom Williams, Aqua Metrology Systems</td>
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<tr>
<td>4:00</td>
<td>3D Modeling: Through Design and Beyond! Steve Seibert, AE2S</td>
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<tr>
<td>5:00</td>
<td>Make a Splash! “Dunk a Volunteer” on your way into………The MAC Social at Grandma’s Sports Garden Featuring the AWWA MN Section “All Star Jam Band”</td>
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<tr>
<td>9:00</td>
<td>Board Meeting at Tycoons</td>
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<tr>
<td>1:00</td>
<td>Water For People Golf Tournament Lester Park Golf Club</td>
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<tr>
<td>2:00</td>
<td>Water For People Sporting Clays Shooting Clear Creek Outdoors</td>
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<tr>
<td>3:00</td>
<td>Water For People Fishing Tournament Depart from slips just north of DECC Dock to Dock 1:00 - 6:30</td>
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<tr>
<td>4:00</td>
<td>2 Prize Drawings</td>
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<td>5:00</td>
<td>Vendor Exhibition Meter Madness 1:00 - 2:15 Pipe Tapping @ 1:30</td>
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<tr>
<td>6:00</td>
<td>2 Prize Drawings</td>
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<tr>
<td>7:00</td>
<td>Vendor Exhibition Water Taste Test Finals @ 2:00 Pipe Tapping @ 2:30</td>
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<tr>
<td>8:00</td>
<td>Grand Prize Drawing</td>
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<tr>
<td>9:00</td>
<td>Vendor Exhibition</td>
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<tr>
<td>10:00</td>
<td>Water Utility Council Mtg Room 202</td>
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<tr>
<td>11:00</td>
<td>Water For People Committee Meeting Room 202</td>
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<tr>
<td>12:00</td>
<td>Past Chair Luncheon Bellisio’s Restaurant</td>
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<tr>
<td>1:00</td>
<td>Scholarship Committee Meeting Room 202</td>
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<td>2:00</td>
<td>Water For People Committee Meeting Room 202</td>
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<tr>
<td>3:00</td>
<td>Research Committee Room 202</td>
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<tr>
<td>4:00</td>
<td>Free Time</td>
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<tr>
<td>THURSDAY 17TH</td>
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<tr>
<td>Research (Roger Scharf)</td>
<td>Tech - Case Studies (Miles Jensen)</td>
</tr>
<tr>
<td>Rooms: 204-205</td>
<td>Rooms: 301-302</td>
</tr>
<tr>
<td>Moderator: Roger Scharf</td>
<td>Moderator: Miles Jensen</td>
</tr>
<tr>
<td>Monitoring and Control Tools for Biological Filtration: Hsiao-wen Chen, WaterRF</td>
<td>Water Reuse, Coming to a City Near You! Michelle Stockness, Barr Engineering</td>
</tr>
<tr>
<td>Biological Pilot Filter Research - City of Onamia: David Schultz, P.E., MDH</td>
<td>An Evaluation of the Sustainability of a Municipal Well Field, A Case Study on the Buffalo Aquifer and Moorhead Public Service Groundwater Source: Kris Knutson, Moorhead Public Service and John Oswald, Leggette, Brashears &amp; Graham, Inc.</td>
</tr>
<tr>
<td>Biological Drinking Water Treatment? Naturally: Jess Brown, Carollo Engineers</td>
<td>Water Tank Maintenance - Rick Whalen</td>
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<tr>
<td>Business Meeting and Lunch</td>
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<tr>
<td>Abundance and Composition of Water Main Biofilm Communities from Two Drinking Water Communities: Raymond M. Hozalski and Timothy M. LaPara, University of Minnesota</td>
<td>Achieving Multiple Treatment Benefits While Meeting the Regulations: Todd Elliott, CH2M Hill</td>
</tr>
<tr>
<td>The Likelihood of Finding Human Enteric Pathogens in MN Public Water Supply Wells: Anita C. Anderson and Lih-in Rezania, MDH</td>
<td>Remote Water Meters: Brittany Pentek, Minneapolis Division of Water Treatment and Distribution Services</td>
</tr>
<tr>
<td>Retrofitting Ozone into an Existing Water Treatment Plant to Achieve Algal Toxin and Taste and Odor Control: Bo Johnston &amp; Jeff Neeman, Black &amp; Veatch</td>
<td>From Pilot Study to Final Implementation, Pretreatment Improvements to Extend Filter Runs at One Minnesota Plant by More than 800%: John Thorn, SEH</td>
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<tr>
<td>Blending Groundwater and Surface Water in the Distribution System: Todd DeJournett, Barr Engineering</td>
<td>Water Loss: How to Track, Capture, and Cut Real and Apparent Losses from Your System: Kathryn Jones, HDR, Inc.</td>
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<tr>
<td>AWWA Appreciation Night Meet and Greet</td>
<td>Hydrant Maintenance and Flushing - Doug Kilanowski</td>
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<tr>
<td>Lunch</td>
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<tr>
<th>FRIDAY 18TH</th>
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<tr>
<td>Membership Room 202 (7 AM)</td>
<td>O &amp; M (Joe Zauner)</td>
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<tr>
<td>Room: 202</td>
<td>Room: Harbor Side Ballroom</td>
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<tr>
<td>Moderator: Joe Zauner</td>
<td>Moderator: Stew Thornley</td>
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<tr>
<td>Rochester Public Utilities: Verne Jacobsen, TKDA</td>
<td>Minnesota Department of Health Update</td>
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<tr>
<td>A &quot;Main Story&quot; of 5 Cities: Steve Nelson, Bolton &amp; Menk, Inc.</td>
<td>MCES - Water Supply Planning</td>
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<td>Water Tank Maintenance - Rick Whalen</td>
<td>DNR - Water Supply Planning</td>
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<td>Line Freezing Machine and Technology - EP Staff</td>
<td>MN AWWA Board Meeting</td>
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<td>Lunch</td>
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<td>Remote Water Meters: Brittany Pentek, Minneapolis Division of Water Treatment and Distribution Services</td>
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<tr>
<td>Evolution of Data Collection - Mike Anderson</td>
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<tr>
<td>From Pilot Study to Final Implementation, Pretreatment Improvements to Extend Filter Runs at One Minnesota Plant by More than 800%: John Thorn, SEH</td>
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<td>Water Loss: How to Track, Capture, and Cut Real and Apparent Losses from Your System: Kathryn Jones, HDR, Inc.</td>
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<td>Hydrant Maintenance and Flushing - Doug Kilanowski</td>
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<tr>
<td>AWWA Appreciation Night Awards Presentation</td>
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<td>Lunch</td>
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<tr>
<td>AWWA Appreciation Night Dinner: Harbor Side Ballroom Featuring the AWWA MN Section “All Star Jam Band”</td>
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<tr>
<td>YP Texas Hold’em Tournament and the AWWA MN Section “All Star Jam Band”</td>
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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 registered conference attendees are welcome. Participation is free. The individual with the fastest time will be titled MNAWWA Meter Madness State Champion. Sign up in the Exhibition Hall at the Annual Conference.

The Meter Madness State Champion will be awarded an expense-paid trip to Chicago, IL to represent Minnesota Section at the 2016 AWWA National Conference and Exposition.

Questions?
Contact: Kirk Peterson, HD Supply Waterworks | Phone: 952-937-9666 | Email: Kirk.Peterson@hdsupply.com

The Minnesota Section of AWWA presents the 7th Annual “Best In Glass” Water Taste Test at the Annual Conference to be held in Duluth, MN September 16-18. All municipal utilities have the opportunity to participate in this event.

The sample should be delivered in a one-gallon or larger container that is clearly identified with the name of the utility. Glass containers are preferred, but you can use a container of your choice. It is strongly recommended that a representative of the utility hand deliver the sample.

Samples should be delivered to the conference registration desk on September 16, 2015 no later than 10:30 AM. To better evaluate all water samples will be judged at room temperature.

Judging will begin at approximately 11:00 AM. on Wednesday, September 16. The contest involves two rounds of judging. The first round will be the selection of the top three water samples by popular vote of the conference participants. These three will enter the final round along with the People’s Choice Award winner from the Minnesota State Fair. A panel of taste testing experts will determine the “Best In Glass” winner and crown the MN AWWA State Champion. The winner will take home a traveling trophy and a wall plaque as well bragging rights for the next year. In addition, the winning municipality will represent MN AWWA with a sample at the AWWA “Best of the Best” competition being hosted in Chicago, IL.

All entries will be accepted, but only a “Best In Glass” winner that has incurred no state or federal drinking water violations during the previous calendar year and is an AWWA member will be eligible to submit a sample to the ACE “Best of the Best” Water Taste Test at the AWWA Annual Conference (ACE).

If you have questions or would like additional information, please visit www.mnawwa.org or contact “Best In Glass” Committee Chair, Brian Bergantine, AE2S at brian.bergantine@ae2s.com or 218-299-5610.
### Wednesday, September 16, 2015
At the MN AWWA Annual Conference in Duluth

#### OFFICIAL REGISTRATION FORM

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<th>Contact information</th>
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**Send your completed forms:**
By email to: clarson@sehinc.com | By fax to: Chris Larson, (651) 490-2150
By US Mail to: Chris Larson, Short Elliott Hendrickson Inc., 3535 Vadnais Center Drive, St. Paul, MN 55110
For additional information, please call Chris Larson at (651) 765-2961.

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### 2015 MN AWWA HYDRANT HYSTERIA CONTEST
Wednesday, September 16, 2015 at the MN AWWA Annual Conference in Duluth

#### OFFICIAL REGISTRATION FORM

**Registration deadline is August 14, 2015**

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**Send your completed forms:**
By email to: rmyskewitz@american-usa.com
By US Mail to: Rick Myskewitz, 21695 Highview Avenue, Lakeville, MN 55044
For additional information, please call Rick Myskewitz at (612) 790-6240.
Chair-Elect Candidates

Dave Brown

“You should join AWWA.” That’s what Dave heard from his supervisor shortly after starting his first water industry job in Chicago as a water systems engineer after graduating from Iowa State University in 1988. He became a member right away but it seemed to Dave like the Illinois Section members only wanted to talk to the people they already knew. Which made it challenging for a young engineer who didn’t know anyone in the section (and only wanted to talk to people he knew). So reading the AWWA Journal was the extent of his involvement.

After moving to Minnesota in 1993 and starting work at Progressive Consulting Engineers, Dave was advised by Naeem Qureshi, “Get involved in Minnesota AWWA.” Dave says, “In Minnesota I found getting involved was easier than in Illinois. I gradually started meeting people and getting to know them by attending various schools and conferences and giving presentations at operator schools. But I still held back from any leadership roles.”

At the MNAAWWA fall conference in Owatonna in 2003 Dave shared with Jerry Mahon how intimidating it had been to meet people in Illinois and that it would be great if the MN Section had a committee or club where people new to the industry could easily meet each other. Dave recalls, “Jerry told me AWWA had just what I was talking about, Young Professional committees, and the association was trying to get more sections to create YP committees. He said I should create the committee and be the chair. I told Jerry that at 42 I was too old to be a Young Professional member, let alone the chair, but I’d like to be involved in the committee somehow. One month later I got an official letter from AWWA in Denver saying, “Congratulations on being selected as the new Young Professionals Committee Chair.” I felt I was a six year old kid again with my uncle picking me up and throwing me into the deep end of the pool to learn how to swim. But Jerry’s action was just the push I needed for me to learn how great it is to be involved in AWWA.”

That first position as the Section’s Young Professional Committee Chair taught Dave that it’s easier to be involved in MN AWWA when you work with people you know and respect to create the Section you all want. So after getting a new motorcycle in 2012, Dave found other motorcyclists in the Section and together they created the Water For People (WFP) Motorcycle Ride. Dave chaired this committee for the first three years.

Other positions he has held include Secretary/Treasurer, Award Committee Chair, and Website Update Committee Chair. He has also been an active member of the IT and Program committees. Dave also has helped at the registration desk at the annual conference in Duluth for several years.

In 2013 the Section supported Dave to travel to Malawi, Africa on a Water For People trip. He says, “That trip really impressed upon me the vital importance of the work we in the water industry do. Here at home and worldwide through Water For People.”

Dave feels his involvement in the water industry and AWWA is due to all of the people in his life who have made involvement fun and possible. He says, “I thank all of my employers who have each supported me throughout my career to be actively involved in AWWA. I especially want to thank my new employer, the Metropolitan Council, for their support of my continued involvement in AWWA.

I also appreciate all of the knowledge, expertise and advice I’ve received from Utility Superintendents, Public Works Directors/City Engineers, Water System Operators, Manufacturer’s Representatives, MDH and DNR staff, Contractors, colleagues, other consultants and everyone else in the water industry.

Lastly I’m grateful to my wife of 12 years, Gay, who is the reason I am blessed with three adult children and 12 grandchildren who make life better than I ever could have imagined.”

For Dave it is an honor and privilege to be considered for the position of Section Chair.
Tony has worked in the potable water industry for 33 years, joining Water Products Company (now HD Supply) in 1982 following graduation with a business degree in finance from the University of Notre Dame, where he played football and was a special teams captain. In 1989, he joined Engineering America and since 2000 has served as the company’s president and CEO. Engineering America is a 100-percent employee owned, bolted steel, liquid storage tank and aluminum cover specialty installation contractor. As the company’s president, he has a track record of sustained growth and success by developing strategic plans, monitoring the follow-up action steps of those plans, and paying attention to the results. Under his leadership the stock of the company has risen significantly, and the organization has been recognized individually by both the Twin Cities Business Journal and the Star Tribune with small business awards.

Tony is married to his wife of 28 years, Mary, and they have two adult children, Cal and Liz. Tony is a long term AWWA member and has served on various committees of the Minnesota Section the past 13 years. He has held chair positions with the Minnesota Associates Council and the Finance Committee and has been instrumental on the planning committee of the local Water for People benefit concert. Tony was honored at the 2014 Minnesota Section AWWA Conference with the receipt of both the George Warren Fuller Award and the Benjamin G. Mason Award of Excellence.

His non-profit, voluntary work outside the industry includes a position on the Minnesota Veterans Medical Research and Education Foundation Board, and he chairs the Mahtomedi TreeHouse Community Development Team, leading and supporting the staff of TreeHouse, who work with at-risk teens in his community. Tony will bring strong leadership skills and experience he has garnered from his professional and personal life to the Section Chair position. His open book, team first, have fun, mentality will bring continuity and effectiveness to the Section’s leadership team. Tony says, “I see this leadership opportunity in the Section as a means to give payback to an industry that has provided me with so much.” As the section Chair Tony will strive to bring focus and continued improvement to the following areas:

• Advance the Section’s Scholarship program with expansion of scholarships and more secondary education training offerings
• Support and encourage Young Professionals activities throughout the section
• Bring cohesion to the Section’s leadership team so that activities of the board will be relevant and meaningful in helping the section grow
• Leverage donations and fundraising activities to maximize the Section’s contributions to Water for People
• Encourage volunteerism throughout the section as a life choice that has many rewards
• Promote the section and its mission and vision throughout the state of Minnesota
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Exhibitor Registration  Due August 15, 2015*

Your Company Information
Company Name: ________________________________________________________________________________________
Contact Name: __________________________________________________________________________________________
Street Address: _________________________________________________________________________________________
City: __________________________ State: ______________________ Zip: __________________
Phone: __________________________ Fax: __________________________________________________________________
E-mail: ________________________________________________________________________________________________

Trade Show Exhibitor Booth Registration
Booths $345 (member), $500 (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
(covers admission to the Vendor Exhibitor Show, lunch, and evening social). Qty: ____________  $: ____________
Please list Registrations name(s) of any additional Exhibitor Registrant(s):
Name: __________________________________________________________________
Name: __________________________________________________________________
Name: __________________________________________________________________

Electrical Service $55 for each 110V service. Qty: ____________  $: ____________

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

Booth Registration Total  $: ________________

Note: 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 (RECOGNITION ONLY, Does not include booth)  $: ____________

Donations
To donate to the following, indicate your choices below. Donations help MN AWWA’s charitable efforts. Donors will receive special recognition at the Annual Conference.

☐ Water for People (Suggested Donation: $200)  $: ____________
☐ WFP Fishing Tournament Boat Sponsor (Suggested Donation: $200)  $: ____________
☐ YP Texas Hold’em Tournament (Suggested Donation: $100)  $: ____________
☐ Pipe Tapping Contest (Suggested Donation: $100)  $: ____________
☐ Water for People (Suggested Donation: $50)  $: ____________
☐ David Morris Endowment (Suggested Donation: $50)  $: ____________
☐ WFP Sporting Clay Sponsor (Limit 5) (Suggested Donation: $200)  $: ____________
☐ Meter Madness Contest (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 15, 2015.
*Exhibitors registering after July 31st may not be listed in the Conference Program.

SEND REGISTRATION FORM AND PAYMENT TO:
MN AWWA c/o Joe Zauner
Fischer Harris & Associates
5865 Neal Avenue North, Suite 335
Stillwater, MN 55082
651-274-8506
2015 MN AWWA Conference Golf Tournament

The Minnesota Associates Council (MAC) of the MN AWWA invites you to participate in our 27th 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 15, 2015  
**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 9, 2015  
NO REFUNDS CAN BE MADE

Please complete and return as soon as possible to assure your reservation. Any Questions or to Volunteer contact Jeff Blakely.

---

**Golf Registration** Due September 9, 2015*

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:

**Jeff Blakely**  
American Ductile Iron Pipe  
21695 Highview Avenue  
Lakeville, MN 55044

*PAYMENT DUE SEPTEMBER 9, 2015*
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  - New Tank Construction

- Engineering Services
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  - Expert Witness
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  - Coating System Failure Analysis
  - Cathodic Protection Specifications
  - Treatment Plant Coating Specifications

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**DixonEngineering.net**

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(800) 968-5488

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djduck@nwpeco.com
www.cla-val.com
2015 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 15, 2015

**Place:** Waterfront Plaza Marina - Canal Park, Downtown Duluth or lake head boat basin - 1000 Minnesota Ave., Duluth

**Time:** Arrive at the Marina at 12:30pm – Boats will depart at 1:00pm, return at 6:30 pm

**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 15, 2015

The nine boats and captains are:

- Treble Hook – Dave Dahl
- Happy Hooker – Jon Dahl
- Blue Haven – Gerry Downes
- Hooker IV – Marty Running
- Captain’s Choice – Tom Cheetham
- Cetee II – Carl Brandt

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:

Douglas Klamerus – Rochester Public Utilities, 4000 East River Road NE, Rochester, MN 55906

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 after fishing. Door prizes will be distributed during dinner. The restaurant will cook your catch or you can order off the regular menu. Cost of dinner not included in payment.
The Minnesota Associates Council (MAC) of the American Water Works Association invites you to participate in the 7th Annual Sporting Clays Event.

Date: Tuesday, September 15, 2015
Location: Old Vermilion Trail - Check web site at www.oldvermiliontrail.com
Time: Arrive at the club at 9:30AM for morning shoot, lunch and additional afternoon shoot
Cost: $60.00/PERSON FOR TWO rounds OF 50
(Will need 4-5 boxes of shells).

Optional (instead of morning sporting clays shoot): Morning shooting lessons by Perry White
Additional (sign up at event): Annie Oakley Shoot for those who want to participate

All questions should be directed at Aaron Vollmer at 763-463-5036 or Aaron.Vollmer@ae2s.com

Please fill out the reservation form below and send it with your check payable to MN AWWA to:
Attn: Aaron Vollmer
AE2S
6901 E Fish Lake Rd Ste 184
Maple Grove, MN 55369

Respond as soon as possible to assure your reservation!

---

**Event Registration**

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 $ _____________________
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Minnesota AWWA –
YP Texas Hold’em Tournament Sponsorship

The 99th Annual Conference of the Minnesota Section American Water Works Association will be held in Duluth, MN September 16-18, 2015. 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 15th.

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

Sincerely,
David Weum, Young Professionals Committee
Minnesota Department of Health
P.O. Box 64975,
St. Paul, MN 55164-0975
651.201.4144 - Office
651.201.3978 - Fax
david.weum@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:
David Weum
Minnesota Department of Health
c/o MN Section AWWA
P.O. Box 64975
St. Paul, MN 55164-0975

Fax: 651.201.4701
david.weum@state.mn.us
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## Conference Registration Form

### Your Company Information

<table>
<thead>
<tr>
<th>First Name:</th>
<th>Last Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Title:</td>
<td>Employer:</td>
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<tr>
<td></td>
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<tr>
<td>Street Address:</td>
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<td>City:</td>
<td>State:</td>
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<tr>
<td>Phone:</td>
<td>Fax:</td>
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<tr>
<td>Email:</td>
<td>AWWA Member:</td>
</tr>
<tr>
<td></td>
<td>____ Yes</td>
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</tr>
</tbody>
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### Cost of Registration

<table>
<thead>
<tr>
<th></th>
<th>Before 8/21/2015</th>
<th>After 8/21/2015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Full Registration</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Includes all conference technical sessions, Wednesday/Thursday/Friday luncheons, Wednesday evening social, and Thursday evening AWWA appreciation night.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-member</td>
<td>$325*</td>
<td>$360*</td>
</tr>
<tr>
<td>AWWA Member</td>
<td>$245</td>
<td>$280</td>
</tr>
<tr>
<td>Retiree</td>
<td>$85</td>
<td>$90</td>
</tr>
<tr>
<td><strong>One-Day Registration</strong></td>
<td></td>
<td></td>
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<tr>
<td>Includes admittance to all conference technical sessions for that day and one luncheon ticket.</td>
<td></td>
<td></td>
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<tr>
<td>Wednesday</td>
<td>$140</td>
<td>$175</td>
</tr>
<tr>
<td>Thursday</td>
<td>$140</td>
<td>$175</td>
</tr>
<tr>
<td>Friday</td>
<td>$80</td>
<td>$95</td>
</tr>
<tr>
<td><strong>Student Registration</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Must be enrolled in an educational institution at least half time. Includes technical sessions and lunch for registered date(s).</td>
<td></td>
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<tr>
<td>Wednesday</td>
<td>$25</td>
<td>$25</td>
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<tr>
<td>Thursday</td>
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<td>$25</td>
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<tr>
<td>Friday</td>
<td>$20</td>
<td>$20</td>
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</tbody>
</table>

*Non-member full registration includes a free 1-year operator-level AWWA membership (or the option to add a 1-year individual AWWA membership for just $99. Contact MN AWWA if you have questions about membership).

### Additional Tickets

<table>
<thead>
<tr>
<th>Guest Program</th>
<th></th>
<th>Before 8/21/2015</th>
<th>After 8/21/2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Includes some conference activities, lunch entrant to vendor exhibition, continental breakfasts, Wednesday evening social, and Thursday evening AWWA Appreciation Night.</td>
<td></td>
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<tr>
<td>$80 per guest (before 8/21) X __________ # = $_____________</td>
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</tr>
<tr>
<td>$85 per guest (after 8/21) X __________ # = $_____________</td>
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</tbody>
</table>

**Please note price changes on 8/21/2015**

| Guest Names: | |
|--------------||
|              | |
|              | |
|              | |

| Additional ticket(s) for Thursday’s AWWA Appreciation Night. | |
|---------------------------------------------------------------||
| $55 per ticket X __________ (#) Tickets: $__________________ | |

Make checks payable to MNAWWA and mail to:
MNAWWA
c/o Dennis Rosemark
City of St. Paul Water Utilities
1900 Rice Street
St. Paul, MN 55113
Email: dennis.rosemark@ci.stpaul.mn.us

Registration total: $__________________

Additional banquet tickets total: $__________________

**TOTAL ENCLOSED: $__________________**

### Cancellation Policy:

Written cancellation is required. Registration cancellations received by August 21: Registrant receives the registration fee back, minus a $10 processing fee. Registration cancellations received after August 21 but by August 28: registrant receives 50% of the fee in a refund. Registration cancellations received after August 28 but by September 4: registrant receives 25% of the fee in a refund.
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Use the new website to register for this year’s Annual Conference!

MN AWWA is pleased to report that we’ve received great feedback about registering online through the new website. We encourage everyone to register for this year’s Annual Conference through the new site.

Here are some helpful hints to make your registration as easy as possible:

Be sure to log in if you are an AWWA member. If you don’t know your login, contact Mona Cavalcoli at: mnaawwa.mona@gmail.com

You can now sign up and buy your tickets for Golf, Fishing, and Sporting Clays when you register for the conference. Follow the prompts for “What Sessions Do you want to attend?” and select your events.

If you want to pay by check -- you can STILL REGISTER ONLINE! just select “Bill Me” as your option in the payment window, and the system will automatically generate an invoice, which you can mail in with your check.

Remember that Exhibitor Registration is for WEDNESDAY ONLY - so if you are a vendor and plan to attend Thursday and Friday, you need to register for BOTH Exhibit and Individual Registration.

Registration is open and active - let us know if you have any questions, and we look forward to seeing you in Duluth!

visit www.mnawwa.org and click on Events | Annual Conference to access the latest Program, Hotel, Exhibitor and Registration Information.

Visit the Annual Conference Home Page by going to www.mnawwa.org, then Events | Annual Conference or use this URL: http://www.mnawwa.org/?page=AnnualConference
Curtis says goodbye to colleagues, friends
June 22, 2015

Last year, six days before AWWA’s Annual Conference & Exposition in Boston, a senior staff member received a call from a conference speaker who said he couldn’t deliver his four-hour workshop. The frazzled staffer dashed to the office of CEO David LaFrance, who paused briefly and said, “Let’s call Tom.”

That’s Tom as in Tom Curtis, the association’s deputy CEO and Government Affairs leader, who has worked closely for 15 years with Congress and the U.S. Environmental Protection Agency on issues that profoundly impact utilities and public health. How did Curtis react to being thrust into a four-hour speaking role with virtually no time to prepare?

“Piece of cake,” the e-mail response read.

The much-loved Curtis is retiring in July. Colleagues lauded him at a recent party at AWWA headquarters as a knowledgeable leader who gets things done, skilled dinner conversationalist, and friend who listens.

“I leave while still truly loving AWWA, its staff, the members we serve, and my job in literally every aspect,” Curtis said. “My retirement isn’t about wanting to quit. It really is about needing to tear myself away so I can read, clean out the attic, teach the grandkids how to fish – as soon as I learn how myself – travel with my wife, Penny, and go to lots of Nationals games before time collects too much of its inevitable toll. It’s time to let someone else have a turn at this wonderful job.”

Curtis, 67, is a Vietnam veteran who also served in several public policy associations, including leading the Natural Resources Committee of the National Governors’ Association and as the Intergovernmental Liaison with the Environmental Council of the States. He holds a bachelor’s degree in political science and master’s in public administration.

Before departing AWWA, Curtis answered a few questions about his idyllic boyhood in West Virginia, incredible 42-year career and his dream of walking the entire Appalachian Trail.

Q. What was the most challenging time of your career?

During the 1996 amendments to the Safe Drinking Water Act, we faced some pretty tough opposition to the changes we wanted to make, but WIFIA (Water Infrastructure and Finance Innovation Act) is probably the most visionary thing I ever worked on. We nurtured it from birth, built it brick by brick, and saw it through to its conclusion. That was the most satisfying thing I ever did.”

Q. What will you miss most about AWWA?

The people I work with, both staff and volunteers. The second thing is the chance to engage on really important issues and feel like I’m making a difference in the world. Starting the fly-ins was one thing I am very, very proud of. It has grown into something that is a terrifically useful tool for AWWA to have its voice heard in Washington.

Q. What will you miss most about AWWA?

I grew up in the 1950s in Morgantown, West Virginia, as the youngest of four kids. We lived in a three-bedroom, one-bath house. We didn’t get a TV until I was almost 10, and going out to a restaurant was something we never did. But I felt rich in every meaningful way; my parents let me roam the woods or the city without the slightest concern for my safety. We had two huge gardens as well as apple, cherry, plum and peach trees that provided year-round bounty, thanks to my Mom’s canning. The allowance I earned doing chores was always just enough to go to the Saturday matinee with my friends.

Q. What was the hardest job you ever had?

I was a platoon leader in Vietnam. It’s hard to tell people things that may get them killed five minutes from now. I remember having questions about the war. It was hard to see why saving that country from what I saw as its own civil war was our responsibility, but I also didn’t want to evade my personal duty to serve in the military if the country said it needed me.

Q. Did you take anything positive away from your war experience?

I learned the most valuable management lesson ever: take care of your people. Make sure they know what they are supposed to do and how to do it. Make sure they have all the training and resources they need to succeed. Show them the objective and then let them do their job.”
Q. What did you do after the military?

After the Army and graduate school, I landed a job on the staff of West Virginia Gov. Arch Moore. Because of term limits, he was out of a job three years later, and so was I. ... I flew to Mexico without any hard plans about what I would do. Because I was young and single, and kind of stupid, I stuck out my thumb and rode buses from Mexico down through Central America, crossed into Colombia, stood on the equator at noon on the vernal equinox, and finally found myself in Peru.

Q. What happened in Peru?

It was the most amazing and productive “misspent” year of my life, and I learned an amazing number of things they can’t teach in books — about self-reliance and about people who appear to be very different from us but really, at the heart of what it means to be human, aren’t different at all. I also learned about what it’s like to have dysentery, something I wouldn’t wish on my worst enemy.

Q. It’s interesting that a man who devoted his life to public health and clean water got dysentery.

I had it three times in South America. I never dreamed when I had it that I would one day have the opportunity to work in a way that made that disease unthinkable in the U.S.

Q. Where would you most like to travel, but haven’t?

I would love to go to Cuba. Because of the international situation, it’s frozen in time from the early 1960s, and it would be interesting to see that. Lots of the cars and technology are basically 1960-era throwbacks.

Q. You have the reputation of being able to handle any situation. Did you ever feel tongue-tied or unsure of yourself?

I was extremely tongue-tied when I asked Penny to marry me.

Q. You have a long list of things to do in retirement. Anything to add?

Cook a lot more, go kayaking in the middle of the week, volunteer, maybe take on a project or two, sit on the porch with coffee and the morning paper, and finish the Appalachian Trail. I’ve already done 800 miles – only 1370 to go!

Q. Do you have any words of advice for your successor?

Completely trust the AWWA staff — they are awesome. Revere the mission — it’s really important. Get to know the members — you’ll really like them. And love the job — it’s fantastic!

“Completely trust the AWWA staff — they are awesome. Revere the mission — it’s really important. Get to know the members — you’ll really like them. And love the job — it’s fantastic!”
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The St. Paul Saints opened CHS Field in the Lowertown part of the city in May and are using water from the roof of the adjacent Metro Transit light-rail Green Line Operations and Maintenance Facility. The water is treated inside the ballpark and used to irrigate the field and flush toilets in the restrooms beyond the center-field fence.

A warning sign for anyone tempted to drink from the toilet.

A view of CHS Field from the roof of the Metro Transit Green Line Operations and Maintenance facility.
Sports arenas and ballparks strive for a fan-friendly experience as new structures are erected. The owners and designers also value sustainability in the construction.

In 2010 the Minnesota Twins moved from the sterile atmosphere of the Metrodome, with its roof and artificial turf, into an outdoor ballpark with real grass. The grass wasn’t the only green feature. The Twins worked with several partners to make sure their new home, Target Field, was green in an environmental sense.

Target Field, home of the Minnesota Twins, opened in 2010 with a system designed to capture and treat stormwater and use it for irrigation and cleaning. Because of these and other efforts, Target Field became only the second major professional stadium to become LEED (Leadership in Energy and Environmental Design) Silver Certified by the U. S. Green Building Council. (A story about Target Field and its green initiatives was in the Fall 2010 Waterline.)

Since that time the St. Paul Saints baseball team and the city of St. Paul have constructed CHS Field, which opened in the spring of 2015 in the Lowertown area of the city. Similar to the Twins at Target Field, the Saints incorporated a system of using rainwater for irrigating their field.

In this case, the rainwater comes from the roof of the adjacent Metro Transit light-rail Green Line Operations and Maintenance Facility (OMF). This building, which opened in 2014, incorporates a number of sustainable features, such as automated heating and cooling controls as well as exhaust systems with energy-recovery technology. With CHS Field being built to the north of the Metro Transit facility, the groups got together and found a way to transfer rainwater from one facility to the other.

The north-central part of the OMF roof (an area covering about ¾ of an acre) has drains to capture the water, which is cleaner than water running off streets and parking lots. Pipes under the OMF roof transfer the rainwater through the walls of the maintenance facility and the ballpark. Within CHS field is a 27,000-gallon cistern, which stores the water. A vortex filter removes large particles. Another filter takes care of smaller particles after the water is pumped out of the cistern. The water is then disinfected with ultraviolet light. The treated water is used for watering the baseball field, which includes two acres of sod, and for flushing toilets in the center-field area.

In addition to saving approximately 450,000 gallons of municipal water every year, the system promotes the value of water conservation. The Freshwater Society presented a Clean Water Champion 2015 award to the partners in the project, including the city of St. Paul, the St. Paul Saints, the Capitol Region Watershed District, and Metropolitan Council/Metro Transit.

Because of the expense, the Saints did not apply for LEED certification; however, Saints’ co-owner Mike Veeck said they have a 3B rating from the state, which is similar to LEED status, and are able to claim the designation of the greenest ballpark in the country.

“Of course, every new ballpark gets to say that for nine months,” Veeck added. “Then another one comes along and gets to make that claim.”

The cost of the rainwater harvesting system, funded through grants from the Minnesota Clean Water Land and Legacy Amendment funds, was approximately $300,000.
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The explorers Meriwether Lewis and William Clark followed much of the Missouri River during their expedition in the early 1800s and did not travel into what is now Minnesota. However, the Lewis & Clark Regional Water System, more than 25 years in the making, crossed the state line in late May 2015, delivering water from beneath the Missouri River at Vermillion, South Dakota, to Rock County Rural Water District outside Luverne.

The project was conceived in 1988 as a way of serving water-challenged areas in South Dakota, Iowa, and Minnesota, and the articles of incorporation were filed...
in early 1990. However, it wasn’t until 2003 that the Finding of No Significant Impact (FONSI), the final environmental hurdle, was completed, and the project went from the authorization to the construction phase. Ground was broken for the first pipeline that August.

A lime-softening treatment plant in Vermillion was first planned for 23.5 million gallons per day (MGD), but its capacity is increasing. Being built in phases, the plant has four solid contact basins and is now at 36 MGD. Troy Larson, the executive director of the Lewis & Clark Regional Water System, said the addition of another basin will enlarge the plant to 45 MGD and that all parts of the system, including pipes and the plant, will allow for expansion to 60 MGD, if needed. "You need to build for expansion," Larson said.

Twenty members put money up front to reserve certain amounts of water at reasonable prices. The partners in Minnesota are Rock County Rural Water District, Lincoln-Pipestone Rural Water System (LPRWS), and the cities of Luverne and Worthington. "All of our water is reserved," said Larson, adding that they will not increase the number of members. Additional customers, such as cities, could be served, but these customers will receive water only if it is available and will not be guaranteed any amounts.

In July 2012 the system’s first water was pumped, to Sioux Falls and several smaller communities along the way and to Rock Rapids, Iowa. Larson said a challenge in Minnesota was convincing people of the need for water in the Land of 10,000 Lakes. However, the southwestern part of the state has quantity and quality issues, and the Lewis & Clark project is a way to alleviate these problems.

The Minnesota members are also the farthest from the source, which is why it has taken so long for the project to reach them. Rock County Rural Water District will eventually get water to another of its connections, this one near Magnolia, and Luverne will get connected in December 2015.

Lincoln-Pipestone and Worthington will be among the last of the partners to get water, but Larson pointed out the impact this will have. “It will affect more than just Rock and Nobles counties [where the Minnesota partners are]. Lincoln-Pipestone serves a far-flung area, as far north as Dawson in Lac qui Parle County, and the Lewis & Clark supply will free up their other water for these customers.” Mark Johnson, manager of Lincoln-Pipestone Rural Water System, said they serve 38 communities in 10 counties.
Most of the project members, including the Minnesota ones, are on an 80-10-10 system, meaning 80 percent of the project is financed by federal money, 10 percent by the state, and 10 percent by members. This spring the Minnesota legislature approved a $19 million federal funding advance. Larson said the money will allow Lewis & Clark to extend its pipeline to LPRWS’s connection near Adrian and get the transmission line between Adrian and Worthington “shovel-ready” in terms of design and easements. However, none of the $19 million may be used for construction of this line.

“Our goal is to have water flowing to LPRWS’s connection near Adrian by the fall of 2017,” Larson said. “Hopefully during the 2016 legislative session, which is a normal bonding bill year, we will receive the final advance needed to reach Worthington by the fall of 2018.”
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.

**TOPICS MAY INCLUDE:**

**UTILITY MANAGEMENT & OPERATIONS**
- Emerging Contaminants
- Regulations
- Sustainability
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- Asset Management
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- Water Conservation
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**WATER TREATMENT & TECHNOLOGY**
- Treatment Technologies
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- Membrane Technologies
- Chemical Feed Optimization
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- Taste & Odor Removal
- Chemical Usages

**SUPPLY, DISTRIBUTION & GREEN TECHNOLOGIES**
- Disinfection
- Disinfection By-Products
- Water Storage Issues
- Distribution
- Water Age
- Water Modeling
- Stormwater
- Surface Water Intake Issues
- Green Technologies

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

**DATES TO REMEMBER**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstracts Due</td>
<td>October 15, 2015</td>
</tr>
<tr>
<td>Notification of Acceptance</td>
<td>November 15, 2015</td>
</tr>
</tbody>
</table>
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AWWA names Tracy Mehan Executive Director of Government Affairs

American Water Works Association Chief Executive Officer David LaFrance today announced that water policy leader G. Tracy Mehan, III has been named AWWA's Executive Director of Government Affairs. Mehan will begin his duties in Washington, D.C. on Aug. 3, succeeding Tom Curtis in leading the association’s legislative, regulatory and advocacy efforts.

Mehan, currently serving as Interim Executive Director at the U.S. Water Alliance and Source Water Coordinator for the U.S. Endowment for Forestry and Communities, is a highly regarded voice across the entire spectrum of water policy. His career includes service as Assistant Administrator for Water at the U.S. Environmental Protection Agency (2001-03) and more recently as a principal for the environmental consulting firm The Cadmus Group (2004-14).

“Tracy Mehan is among the most trusted and highly regarded leaders in water policy and regulatory matters,” LaFrance said. “He has the vision and ability to build upon AWWA’s reputation for technical expertise, commitment to sound science, and authentic concern for public health and the environment. He is truly a Total Water Solutions professional, having served in significant leadership roles in drinking water, wastewater and water resource management.”

An adjunct professor at George Mason University School of Law and the Heinz College at Carnegie Mellon University, Mehan also has substantial experience in state water and environmental issues. He directed the Office of the Great Lakes for the Michigan Department of Environmental Quality (1993-2001) and the Missouri Department of Natural Resources (1989-92). He also has experience working within the U.S.-Canada bi-national policy framework on Great Lakes issues.

“I am grateful to have an opportunity to serve with AWWA at such an important time in its long history,” Mehan said. “Throughout my career, I have always known AWWA as an advocate for smart water policy and an honest, collaborative partner in the water community. I’m pleased to work alongside the outstanding AWWA team in both Washington D.C. and Denver, an esteemed Water Utility Council, the Sections, and a membership of more than 50,000 committed water professionals.”

Established in 1881, the American Water Works Association is the largest nonprofit, scientific and educational association dedicated to managing and treating water, the world’s most important resource. With approximately 50,000 members, AWWA provides solutions to improve public health, protect the environment, strengthen the economy and enhance our quality of life.
News & Notes

Ride with a purpose... WFP
by Jon Eaton

The Water Buffalos challenged the California/Nevada Section to raise more money for Water For People than them. The Minnesota Section supported the Water Buffalos who won the challenge by raising over $100,000.

The Water Buffalos are motorcycle riding enthusiasts and water and wastewater professionals. Each year their ride begins from several locations across the US and Canada and ends at the American Water Works Association National Conference (ACE). The ride is in the spirit of raising money and awareness for non-profit organizations that provide for safe drinking water, sanitation services and environmental stewardship to developing countries.

There are 70 active members from across the US & Canada. On the 2015 ACE ride there were eight brands of motorcycles, 12 AWWA sections representing 13 states & 3 Canadian provinces, 27 total motorcycles, 32 total participants, 119 vacation days were used, 174 total days on the road, an estimated 1,500 gallons of gasoline consumed, riding a total of 60,430 miles. No money raised is used to pay any riders expenses.

For more information about the Water Buffalos, visit http://ridewithpurpose.org/. Tell your friends, sign up, make a difference in the world, and have the time of your life doing it.

“The Water Buffalos are motorcycle riding enthusiasts and water and wastewater professionals.”
MN AWWA to hold taste test at State Fair

Minnesota AWWA will be holding the fourth annual Great Minnesota Tap Water Taste Test on the Sustainability Stage in the Eco Experience Building at the Minnesota State Fair. This year it will be at noon on Tuesday, September 1.

All utilities are invited to enter a jug of their water, and there will be fame and a nice plaque for the winning city. Those interested may contact Todd Bredesen, 612-597-8519, todd.bredesen@hdsupply.com, to discuss logistics of getting their water to the fair.

ACE Fresh Ideas 2nd place photo

Dhritikshama Roy, the second place winner in the ACE15 Young Professional / Student Fresh Ideas Poster competition for her poster entitled “Ammonia Oxidizing Archaea in Drinking Water Plants and Distribution System.” The first place winner was David Yonge from the Florida Section for his poster entitled “Assessing Hollow-Fiber Membrane Performance Using Bench-Scale Laboratory and Pilot-Scale Field Methods.”

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MN AWWA Announces FREE Training designed specifically for small systems!

AUGUST 18, 2015
“Multi-funding Workshop for Small Water Systems”
Holiday Inn - St. Cloud, MN

There are several federal and state programs that provide financing for water infrastructure projects. This workshop will provide participants with descriptions of individual financing programs and how they may interact with each other. Speakers will include persons involved in administering the programs in the state. Participants will receive basic information on best management practices such as asset management, rate setting and financial benchmarking which could enhance your system's funding application.

The Training is FREE, but you MUST REGISTER in advance to reserve your place.
REGISTER AT: http://efcnetwork.org/trainings/registration-minnesota-multi-funding-workshop

Workshop eligible for MN Water Operator Training Hours
Refreshments provided at this seminar courtesy of MN AWWA

AUGUST 25, 2015
“Achieve & Maintain Compliance with the SDWA”
Holiday Inn - St. Cloud, MN

Your small system faces day-to-day challenges providing reliable, safe drinking water for your customers. MN AWWA Section is offering a FREE workshop to help your utility learn about compliance with drinking water regulations and steps to avoid costly violations. The workshop will also cover how to prevent microbial contaminants, and how to maintain optimal water quality including ways to optimize your system and reduce DBP’s. This workshop is made possible by funding through the USEPA and AWWA's partner, the Rural Community Assistance Partnership.

The Training is FREE, but you MUST REGISTER in advance to reserve your place.
Register online at http://www.mnawwa.org/event/sdwatraining

Workshop eligible for MN Water Operator Training Hours
Refreshments provided at this seminar courtesy of MN AWWA
MDH fluoridation rule revision and variances following Federal recommendation update

On April 27, 2015, the United States Department of Health & Human Services (HHS), along with the Centers for Disease Control and Prevention (CDC), finalized new guidance that recommends a single national fluoride level of 0.7 milligrams per liter (mg/L) that community public water systems should use for fluoridation. The new recommendation reflects two key facts:

- Americans have access to more fluoride sources – such as fluoride toothpaste and mouth rinse – than they had in 1962, when the previous recommendation was made.
- Research shows children consume fairly consistent amounts of water across all U.S. regions, regardless of climate. This is contrary to the belief in 1962 that water consumption varied in different regions, upon which a fluoride recommendation range (0.7 to 1.2 mg/L) was developed.

The updated HHS recommendation was based on recent U.S. Environmental Protection Agency and HHS scientific assessments to balance the benefits of preventing tooth decay while limiting potential negative health effects of fluoride, such as dental fluorosis. Dental fluorosis is a change in the appearance of tooth enamel that is caused by excessive exposure to fluoride. Typically, dental fluorosis in the U.S. is a mild, cosmetic condition that leaves faint, white streaks on tooth surfaces but does not affect the health or function of teeth.

In light of this new optimal fluoride concentration in drinking water recently proposed by the HHS and CDC, MDH will begin a formal rulemaking process in the future to make changes to Subpart 2 of Minnesota Rule 4720.0030, which states:

**Fluoride content:** The fluoride content of the water shall be controlled to maintain an average concentration of 1.2 milligrams per liter; the concentration shall be neither less than 0.9 milligrams per liter nor more than 1.5 milligrams per liter.

In the meantime, MDH is allowing systems to apply for a variance to the current rule as allowed by Minnesota Statute 14.055, which states that “a person or entity may petition an agency for a variance from a rule adopted by the agency, as it applies to the circumstances of the petitioner.” It also states:

**Discretionary variances:** An agency may grant a variance if the agency finds that:

1. application of the rule to the petitioner would result in hardship or injustice;
2. variance from the rule would be consistent with the public interest; and
3. variance from the rule would not prejudice the substantial legal or economic rights of any person or entity.

On May 21, 2015, MDH used its electronic GovDelivery system to inform municipal public water system owners and superintendents about this discretionary variance option. Variance requests were suggested to be similar to the expected rule revision proposal, which would require fluoride at 0.7 mg/L within the range of 0.5 to 0.9 mg/L.

PWS Name__________________________________________

Variance Request to Minnesota Rule 4720.0030

PWS Name__________________________________________

PWS ID Number_____________________________________

I am requesting a variance to Minnesota Rule 4720.0030 on behalf of my PWS. This discretionary variance is in response to the recent guidance from the HHS and CDC for a single national fluoride level of 0.7 mg/L at community PWSs. We intend to maintain an average fluoride concentration of 0.7 mg/L, in the range between 0.5 and 0.9 mg/L.

The requested variance is consistent with updated health risk information and public interest. In addition, the requested variance will not prejudice the substantial legal or economic rights of any person or entity.

Request Date________________________________________

If applying by email, I intend this email address to be my signature:

____________________________________________________

If applying in writing, Signature of PWS Owner or Representative:

____________________________________________________

Completed requests must be emailed to health.drinkingwateradvisory@state.mn.us or sent to Minnesota Department of Health, Drinking Water Protection Section, 625 North Robert Street, St. Paul, MN 55164-0975.
New! The Water Utility Response On-the-Go Mobile Website

By Jon Groethe, Minnesota Department of Health engineer

The next time you find yourself facing a drinking water emergency or a natural disaster affecting your utility, navigating all the important steps in the field just got easier. The U.S. Environmental Protection Agency has just released the Water Utility Response On-the-Go mobile website—a versatile and easy-to-use web-based tool that helps field staff complete a wide range of critical response activities during the initial stages of an event. The On-the-Go Mobile Website builds upon water industry’s widening integration of mobile devices for accessing, tracking, and sending information in real-time as an event unfolds. It is a tool that enables utility responders to quickly transition from one simple central menu to a large suite of other interactive websites during emergencies.

The first expandable tab on its homepage menu is Tracking Severe Weather. Here, you can access the National Weather Service’s emerging weather conditions, predicted rainfall, hazard alerts, and flooding information from any number of selectable river observation stations in the state, all occurring in real-time. There is a trove of other maps and weather-related data as well, from selectable locations across the nation.

The second tab, Contact Response Partners, links to the various home pages for primary first responder agencies in any of the 50 states.

On-the-Go’s third tab, Respond to Incidents, displays selectable types of incidents (flooding, extreme cold and winter storms, wildfires, tornadoes, and other events). Here, activity checklists are provided for many of the important actions needing to be taken during phases of a certain event, whether it’s pre-planning, mitigation of damage during the event, or remediation occurring afterward.

The next tab on the menu, Take Notes and Record Damage, is extremely useful. To obtain FEMA reimbursement after an event, field staff must immediately record and report on damage observed in the field. The On-the-Go Mobile Website allows you to complete a generic damage assessment form while in the field, email it back to your office, and later use the information to populate your state’s official damage assessment form. All information inputted or accessed on this mobile website is stored locally on your device. Photos taken with your smartphone can be inserted into each damage assessment report. Also, latitudes and longitudes of location are automatically inputted into each site report, ensuring locational accuracy.

On-the-Go’s fifth tab, Inform Incident Command, allows field staff to access, review, populate, and share Incident Command System (ICS) forms with the Incident Command Team. Simply click on the appropriate ICS form, fill out information for each area, and then save. Now that the information has been populated into the standard ICS form, your form is ready to be sent via email to appropriate ICS personnel or another contact. Also, when you expand the Inform Incident Command tab, two of the more commonly used ICS forms are already displayed with their own tabs. They are General Messages (ICS 213) and Activity Log (ICS 214).

Lastly, the Additional Planning tab places a host of incident resources and emergency guidance for planning, response and recovery at your fingertips. Once you bookmark the Water Utility Response On-the-Go website on your mobile device, you can become more familiar with its many capabilities and features. It’s a great new tool and one you’re sure to use. Here’s the link: http://watersgeo.epa.gov/responseotg/

Drinking water annual report unveiled by Governor Dayton

Governor Mark Dayton, with Minnesota Department of Health Commissioner Ed Ehlinger behind him, introduced the department’s drinking water annual report at a press conference May 6. The governor focused on the report’s theme on the impact of nitrate on Minnesota waters. Ehlinger noted that this year’s annual report generated more interest than usual because of the growing threat of nitrate contamination and the expense of treating to remove nitrate from areas with elevated levels in the source water. He called for a “strong emphasis on source water protection efforts,” along with agricultural best management practices, such as buffer strips near streams.

Dayton hailed the continued attention to the issues and challenges of water quality in Minnesota. “We can take on these challenges or turn our back on them and be certain they will get worse.”

Ehlinger emphasized that the “vast majority of communities [in Minnesota] meet all the requirements of the federal Safe Drinking Water Act,” adding, “Safe drinking water is the cornerstone of public health and critical to the state and our economy.”

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