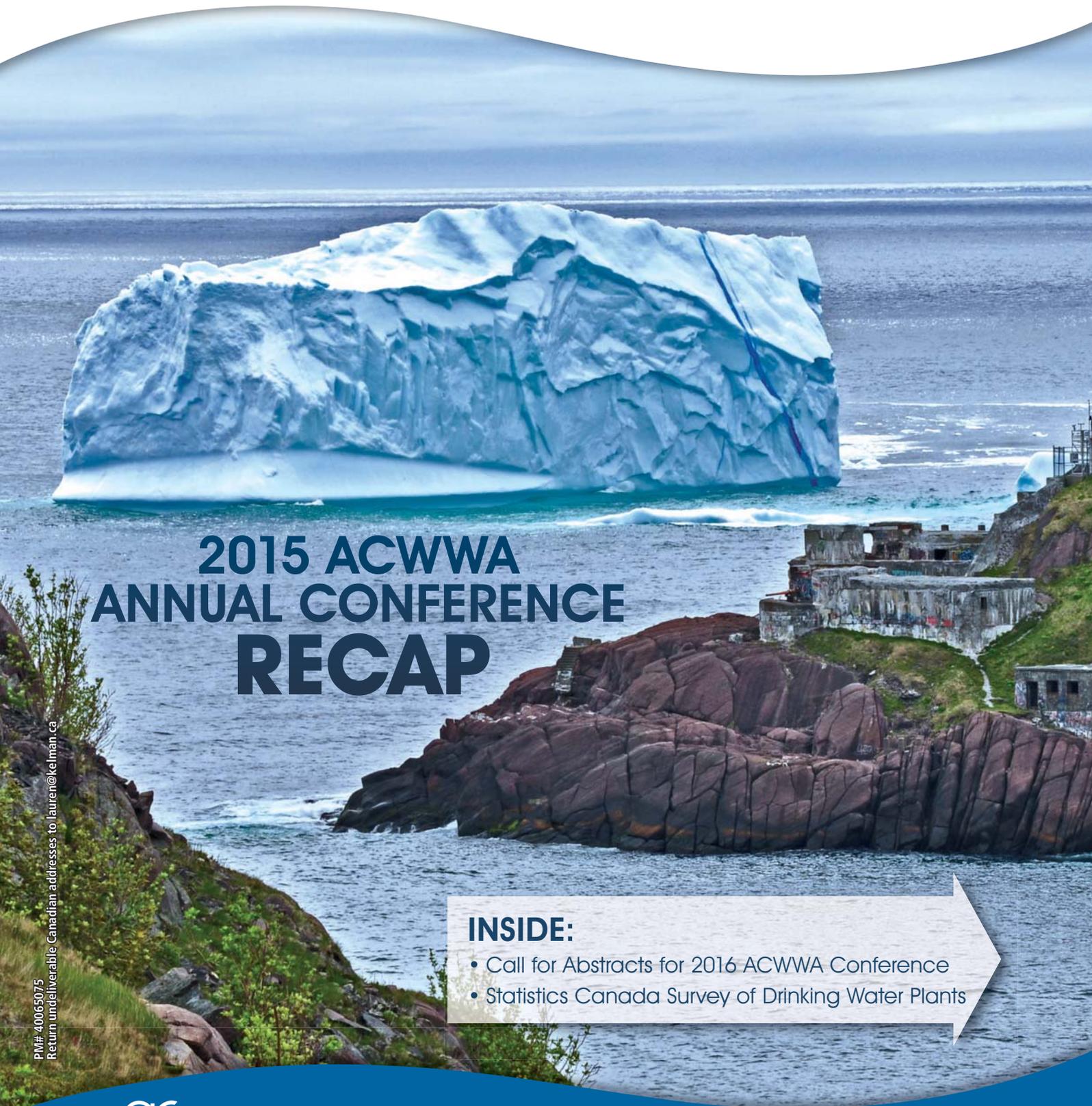


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THE OFFICIAL PUBLICATION OF THE ATLANTIC CANADA WATER AND WASTEWATER ASSOCIATION



2015 ACWWA ANNUAL CONFERENCE RECAP

INSIDE:

- Call for Abstracts for 2016 ACWWA Conference
- Statistics Canada Survey of Drinking Water Plants

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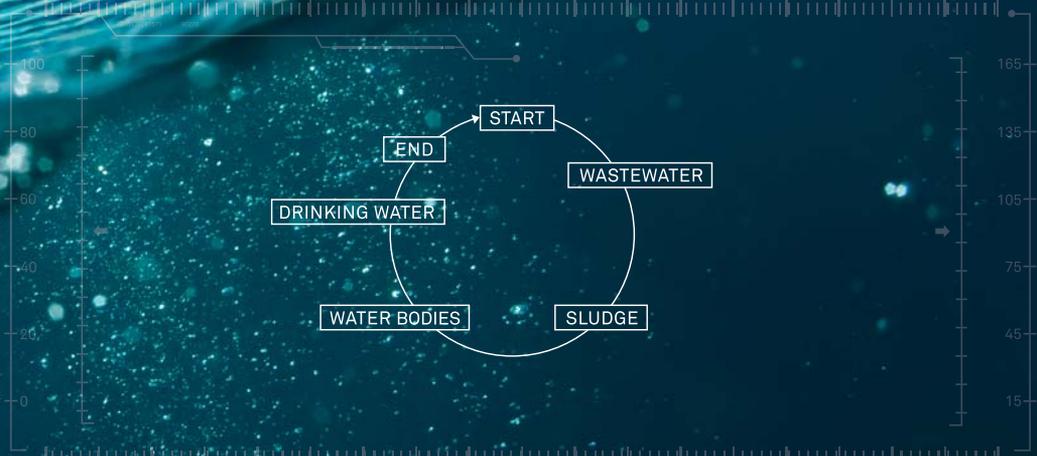
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Leading the way

Welcome to the Winter edition of *Go With the Flow*, the magazine of the Atlantic Canada Water and Wastewater Association. The magazine is one of the many valuable things members receive and it keeps you abreast of upcoming events, exciting projects, and new technologies. The Magazine Committee is always seeking out content for the magazine. If you have something you would like to share, please forward an article to Lindsay Wilcott, our Magazine Committee Chair.

Many of you had the opportunity to attend the annual conference in St. John's. I think we can all agree that

the St. John's conference organizing committee led by Jason Phillips put on a great show. Once again, there was a strong technical program balanced with many opportunities to network and socialize with those in the water and wastewater industry. As well, there were a record number of booths at this year's trade show, which demonstrates the continued support of the ABEA supplier members.

As we look forward to the conference next year in Moncton, I encourage everyone to start thinking about submitting an abstract for the technical program so that we can continue to have a strong technical program at our conference.

In October, Clara Shea and I had the opportunity to participate in the AWWA Regional Meeting of Section Officers in Wilmington, Delaware. This was a great opportunity to network with other sections and share ideas. It also validates that ACWWA accomplishes a lot for the small size of our association relative to other sections.

In closing, as I start my term as Chair of the Association, I would like to say how excited I am for the challenge and I look forward to working with the Board and our members to ensure that the ACWWA remains the leading association in Atlantic Canada for water and wastewater industry professionals. 🌊

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Joining the conversation on the value of water

Welcome to the Winter 2015 edition of the ACWWA *Go With the Flow* magazine. This excellent publication continues to help connect you with the Atlantic Canada water and wastewater industry and your peers. Enjoy the read.

To start, I offer a big congratulations to Jason Phillips and his team for preparing and hosting an awesome ACWWA conference this past October in St. John's, NL – outstanding technical and networking opportunities for all! It was my pleasure to host the AWWA VP Brian Steglitz from Ann Arbor, Michigan. Brian remarked that he and his wife Anne's first trip to Newfoundland was a cool experience and they gave a great review of the quality of the conference and the initiatives we are undertaking here in Atlantic Canada. They enjoyed meeting the cod fish and are officially screeched in.

The next big conference opportunity for members is AWWA ACE Chicago, June 19–22, 2016, in Chicago, Illinois. The event is branded as *Uniting the World of Water*. ACE is the single best event to interact with the largest group of vendors, peers, and other water professionals in one place. The potential for learning is nearly limitless.

With my opportunity to work on the AWWA Canadian Affairs

Committee (CAC) including its integration with CWWA, I have joined the conversation on the *Value of Water* in the Canadian context. The Value of Water Coalition is a collection of public and private water agencies, business and community leaders, and national organizations united in communicating the importance of water to the economic, environmental, and social well-being of America. (See the website at thevalueofwater.org.)



The CAC is extending this work in Canada and helping to develop ways to promote the need and value in investment in water systems to

protect our health, environment, and quality of life. CWWA has produced an excellent document entitled *CWWA Public Attitudes Project: Changing Public Attitudes on the Value of Canada's Water System Infrastructure* (see www.cwwa.ca). British Columbia and Yukon have put together a very informative and interactive website (valueofwater.ca) on this topic that is well worth reviewing. Take the opportunity to learn more and promote the value of water in your community.

As we all move our attention to the winter activities within our agencies, I ask all members to consider your fellow employees, peers, and projects from your communities as potential nominations for the 2016 ACWWA Awards. We provide applicable AWWA and WEF awards, and ACWWA awards such as the Ira P. MacNab Award, Volunteer of the Year, Project of the Year, and Operator of the Year. See the ACWWA website for past winners, award descriptions, and to make nominations. The process is now open! Presentations will take place at the 2016 ACWWA Conference in Moncton, New Brunswick next September.

I remain committed to representing our needs at the AWWA level. Please send me your comments or questions to Jamie.hannam@halifaxwater.ca. 

“Take the opportunity to learn more and promote the value of water in your community.”



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Rainfall to results – the future of stormwater, WEF Report

Stormwater is the only growing source of water pollution in many watersheds across the country. With urban populations expected to grow to nearly 70% by 2050, and more frequent and intense storms occurring, there is ever-increasing pressure on stormwater systems and water infrastructure.

While the challenges of stormwater management appear to be vast, overcoming them creates a unique opportunity for governments, industry, academia, and civil society to further advance sustainability, resilience, and community livability. Based on input from leading stormwater professionals, *Rainfall to results: the future of stormwater* details the challenges, opportunities, and pathways to improving the nation's stormwater systems. The report is the first product of the Water Environment Federation (WEF) Stormwater Institute and charts a path forward with a vision, broad objectives, and specific actions for achieving a healthier water environment.

Vision for the future of stormwater

In the future, all stormwater will be considered a resource and managed

through an optimized mix of affordable and sustainable green, gray, and natural infrastructure. Pollutant source control and management of runoff volume will be pursued aggressively as a complement to traditional stormwater controls. Stormwater infrastructure will be funded fully and managed by a true utility with a comprehensive asset management plan that benchmarks for future success. Management techniques will improve continually through new science, experiences, technical innovations, and responsive regulations. Stormwater management will be part of doing business and part of community resiliency and quality of life. The community will value and understand the many benefits of stormwater infrastructure.

The report identifies six objectives that are central to supporting this stormwater vision:

- Work at the watershed scale – all communities will have integrated, watershed-scale assessments of water resources needs and challenges.
- Transform stormwater governance – communities will catalyze further formation of stormwater utilities

and stormwater regulations will stimulate stormwater control innovation and performance improvement.

- Support innovation and best practices – a broad suite of verified stormwater controls and best practices will support confident planning and maintenance.
- Manage assets and resources – stormwater systems will be maintained through robust asset management programs and supported by innovative information technology.
- Close the funding gap – communities will align stormwater management efforts with broader community goals to garner funding options and have access to innovative financing opportunities.
- Engage the community – communities will understand and value the contribution stormwater management makes to flood risk reduction, clean and safe water, and climate resiliency.

To download the complete report

To get more information on what WEF is doing on stormwater, go to WEF.org and then click the *Stormwater* tab at the top of the page.

For information on your local WEF association, contact Gary Chew at gary.chew@sansom.ca.

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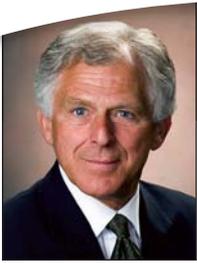
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CWWA – join the national team!

CWWA is embarking on a membership drive in early 2016 so it is timely for me as your ACWWA representative on the CWWA Board to give you a heads up on the membership drive and outline some of the benefits that a CWWA membership can offer to your municipality.

CWWA membership is at the corporate level so everyone in your organization benefits. However, because the invitation to membership will not necessarily cross your desk, as you may not be at the corporate level, it is important that you be made aware of the benefits of CWWA membership so that you can encourage your corporate leaders to join.

As the only national association for water and wastewater in Canada, CWWA is called upon to be the voice of our industry to the federal government and to the national media. The larger the membership, the stronger the

voice. The more participation CWWA gets from its professional members, the better the input on national issues.

As a professional association at the national level, CWWA organizes premier events to keep members informed of developing federal policy and programs and facilitate a cross-Canada dialogue on national and inter-provincial issues. CWWA addresses all fields of the water and wastewater industry with a real focus on utility leadership.

Some of the membership benefits include the following.

National communications including:

- *E-Bulletin* – our monthly newsletter with national industry news and clippings from across the country
- *Communiqués* – detailed email blasts on specific legislation and hot topics
- *Canadian Municipal Water* – our biannual national magazine highlighting the work of our members

- *Water Canada magazine* – a free subscription from our media partners
- Sharing comments with your colleagues from across Canada
- Providing meaningful input to developing legislation and policy
- Developing our official positions as well as international standards

Opportunities to participate in technical committees:

- Providing meaningful input to developing legislation and policy
- Developing our official positions for the association
- Contributing to national and international standards
- Sharing information with your colleagues from across Canada

I have been involved with CWWA for many years both as your representative on the CWWA Board and also as a municipal corporate member. I have always appreciated the ability to connect and network with utility leaders and water professionals across Canada. CWWA keeps on top of new and changing federal legislation and lets its members know so they can determine how changes may affect their operations. The most recent example is the new Wastewater System Effluent Regulations (WSER) and the critical positive role CWWA played in the final version of this regulation.

I encourage all municipalities in Atlantic Canada to consider CWWA membership as the leading national water and wastewater voice for utilities.

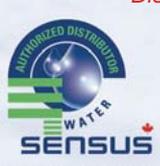
Should any other information be required on CWWA activities or initiatives, please do not hesitate to contact me directly at roland.richard@nb.sympatico.ca or visit the CWWA website at www.cwwa.ca.

Mark your calendars for the next 'Window on Ottawa' event scheduled for June 8–9, 2016 in Ottawa.



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Winner of the **Silent Hero Award**, Matt Duffy



- 1. Job title:**
Utility and Public Works Manager.
- 2. Who do you work for?**
Town of Cornwall, PEI.
- 3. Where do you currently live?**
Roseneath, PEI.
- 4. Where did you grow up?**
Montague, PEI.
- 5. When I'm not working, I'm...**
Sailing.
- 6. The accomplishment I'm most proud of is...** Being a father to my children.
- 7. If you could go on a road trip with any one person (living or dead), who would it be and where would you go?** Jimmy Buffett, down the Eastern Seaboard all the way to Key West.
- 8. What is your philosophy on life?** Live and let live.
- 9. Toughest thing about your job?** Human Resources.
- 10. When you were a kid, what did you want to be when you grew up?** A water and wastewater treatment operator – isn't that what every kid wants to be?
- 11. Last book you read?**
The Gruffalo.
- 12. Last movie you saw?** Get Low.
- 13. What music did you listen to this morning?** Chris Stapleton.
- 14. Favourite TV show?**
The Simpsons.
- 15. What was the best gift you ever received?** The opportunity to work for the great Town of Cornwall, assuming my boss is reading this.
- 16. What is the most useless thing you ever purchased?** Jewellery... really though, what's the point?
- 17. Not many people know that I...** don't like to talk about myself.
- 18. What is your greatest luxury?**
Clean drinking water.

- 19. What is your favourite famous quote?** "Searching is half the fun: life is much more manageable when thought of as a scavenger hunt as opposed to a surprise party." – Jimmy Buffett
- 20. Describe your perfect day.** A cup of tea on the deck overlooking the ocean and watch the sunrise, play with my kids at the beach all day, dig some clams, and have supper around a campfire in the evening as the sun goes down.
- 21. What three objects would you rescue from your burning house?**

I can't think of three objects I'm that attached to.

- 22. What Section would you most like to visit, and why?**
California-Nevada Section; I would be interested to see all the ways they are dealing with the severe drought conditions.
- 23. Who is the most influential person in your life?** My wife.
- 24. What is your ideal vehicle?**
A 1989 Chev Blazer K5.
- 25. How long have you been a member of ACWWA?**
Five years. 🐶

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The latest membership news

A big welcome to our new members over the past few months:

| Name | Company | |
|---------------------|--|------|
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| Chris Little | Trihedral Engineering Limited | AWWA |
| Natashia Lutz | Trihedral Engineering Limited | AWWA |
| Catherine Lutz | Trihedral Engineering Limited | AWWA |
| Benoit Legall | Geomembrane Technologies, Inc. | AWWA |
| Blair Sooley | Trihedral Engineering Limited | AWWA |
| Stuart Reece | Denso | AWWA |
| Michele Weichel | | AWWA |
| Rod Dunnett | City of Moncton | AWWA |
| Leah Barbour | Nova Consultants Inc. | AWWA |
| Sean Chilibeck | Abydoz | AWWA |
| Keith Bartlett | | AWWA |
| Gary Caul | R.V. Anderson Associates Limited | AWWA |
| Alex Aylward | Newfoundland Design Associates Limited | AWWA |
| Stefana Egli | Memorial University of Newfoundland | AWWA |
| Leili Abkar | | AWWA |
| Ken Meech | Halifax Regional Water Commission | AWWA |
| Village of Doaktown | | AWWA |
| Marilyn Price | Village of Doaktown | AWWA |
| Edward McCormick | | AWWA |
| Xiaofei Song | Dalhousie University | AWWA |

Here is a snapshot of what our membership looks like:

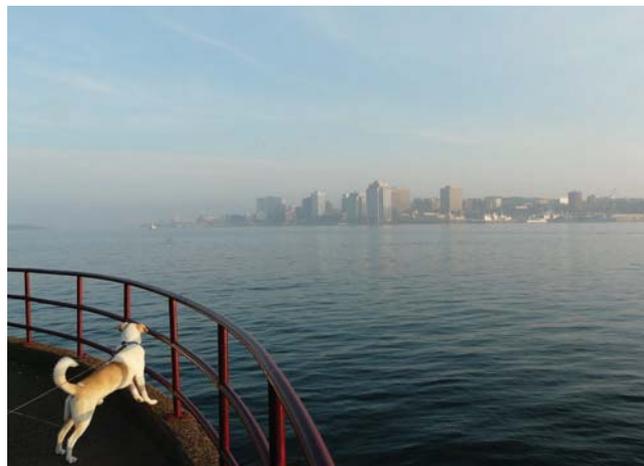
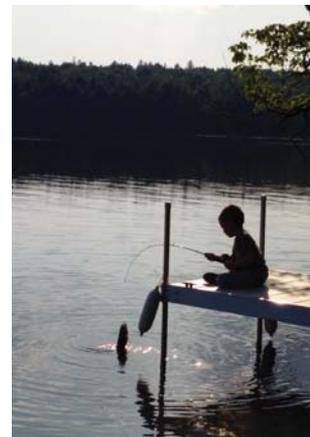
| Membership totals as of November 7, 2015: | |
|---|-----------|
| AWWA - 415 | WEF - 128 |

Did you know?

NEW MEMBER REFERRAL – For every new member that you get to become a member of ACWWA (either through AWWA or WEF), **your name will be entered in a draw for \$50.** All the new member has to do is include you as a reference. If you don't know your member number, please email amyw@cbcl.ca and I can provide it to you.

This round, we have had two members refer two new ACWWA members! Robert Funke from the Town of Antigonish and Debbie Smith from the City of St. John's each won a \$50 gift certificate to a place of their choosing. 🎁

Featured member photos



2015 Saint John's, NL Conference Recap

Coming soon... The takeaway from the Annual ABEA AGM was the new 'ABEA Financial Assistance Program' that was brought forward and passed. This program will be set up in a format that will assist municipalities without financial ability to attend the annual ACWWA Conference, where they will have the opportunity to network and participate for the benefit of their utility. The application is currently under construction but will be ready in time for the spring publication of this magazine. Stay tuned...

The annual **Golf Tournament** was well attended, fielding 14 teams. We would like to take the opportunity to once again thank our individual 'Hole Sponsors,' as well as the ABEA membership – the contribution allowed us to present a premier event. The wind may have been brisk, but there was no lack of enthusiasm to meet it head on!

The Monday evening **Common Hospitality Event**, which was held at O'Reilly's Pub on the famous George St.,

was another rousing success. A good time was had by all.

Tuesday morning was the sold out **Trade Show** – there were 77 booths, which were busy from 9 am – 1 pm. The ABEA drew for three signed/numbered NL prints. These were won by Nicolas Legere of Caraquet, Brian Edwards of B&V Water, and Dominic Giovannini of MUN.

Once again, the ABEA made a presentation of \$7,500 to **Water For People**, the charity supported by ACWWA/AWWA.

Please remind your staff of the **ABEA Annual Scholarship** – the deadline is April, but it is never too early to start the process!

Current ABEA Board:

- Past-President – Mike Duguay
- President – Rowena Patenaude
- Vice-President – Steve Philpott
- Sr. Director – Kyle Gracie
- Jr. Director – Neil Dowding
- Sec./Treasurer – Dylan Takacs
- Director at Large – Catherine Cameron 



Catherine Cameron (ABEA Director at Large) pictured with Ed McCormick (WEF Delegate) and Brian Steglitz (AWWA Delegate) receiving the 2015 ACWWA Volunteer Spirit Award



ABEA Golf Tournament, Clovelly



Rowena Patenaude (ABEA President) pictured with Julie Stokes (City of Moncton) and Brad McIlwain, WFP Presentation



For other updates on the ABEA, its members, and its affiliates, please check out our Facebook, Twitter, and LinkedIn pages, where you can find the most up-to-date information.



MAKING WAVES

Conference
Recap





2015 ACWWA Awards Breakfast

The Awards Breakfast at the annual conference is an opportunity to recognize the contributions of our colleagues both to ACWWA and to the water and wastewater industry.

The best treatment facilities and water distribution and wastewater collection systems are only as good as the people behind the scenes who operate and maintain water and wastewater infrastructure on a daily basis. Our water and wastewater operators are applied thinkers and problem solvers, who are skilled in the intricacies of their facilities and networks, and are vigilant for changes that could result in serious problems. They take their commitment to public health and the environment seriously.

The **Silent Hero Award** is presented annually by ACWWA to recognize outstanding contributions of water and wastewater operators in each of the four Atlantic Canada provinces.

For Nova Scotia, the 2015 Silent Hero Award was presented to the operators of Halifax Water's Eastern Passage Wastewater Treatment Plant. They are Philip Winter, Andrew Eisan, Evan Beaton, Ryan Gould, and Donald MacDonald.

With a combined 85-plus years of experience working in wastewater treatment facilities, this Operations Team was an important part of the success and key in contributing to the newly expanded and upgraded Eastern Passage Wastewater Treatment Facility. The team consisted of two Class IV, one Class III, and one Class II wastewater treatment operator as well as one Building Process Maintainer.

Throughout the duration of the expansion project at the wastewater treatment plant, these operators faced a variety of operational challenges. The existing plant had to be kept in operation while the new

facility was built around them. They had to deal with disruptions, noise, congestion associated with a typical construction site, while working out of temporary office space and using temporary laboratory facilities. They effectively responded to the challenging situations presented to them in a unique Design-Build project. Now that the facility has been successfully commissioned they continue to seek ways to further optimize the facility.

Their dedication and pride in their work was evident throughout the project and helped make the facility a success story. The operators put in extra effort when needed especially during the early parts of the 'break in' period when numerous alarm call-outs occurred.



For New Brunswick, the 2015 Silent Hero Award was presented to John Lyons.

John Lyons works with the Village of New Maryland. John is also a single father who is willing to work any overtime as needed and make sacrifices in order to provide

a brighter future for his daughter. Outside of work, he keeps active with marathons and triathlons.

For Newfoundland and Labrador, the 2015 Silent Hero Award was presented to Henry Jacque.

Henry is a proud, respected Labrador Inuit and a jack-of-all-trades. He is a certified Heavy Equipment Operator and a certified level two Water Distribution Operator.

He has been employed with Makkovik Inuit Community Government for 22 years as a Supervisor and Water and Sewer Maintenance Operator. During the early 1990s he helped the town to manage the construction of two water and sewer projects. He is very proactive and believes in preventative maintenance to help lower operating costs and avoid interruption in services or the possibility of having to purchase new equipment.

His co-workers would describe him as a smart, dedicated, and hardworking individual who will always put the safety of the public and his co-workers at the forefront.

Outside of his job Henry is a very talented musician, playing in various community cultural festivals and he enjoys volunteering for the local church. He also enjoys snowshoe making, gathering firewood, and spending time with his family.

For Prince Edward Island, the 2015 Silent Hero Award was presented to Jerry Villard.

Jerry came late to the water/wastewater industry. His previous work consisted of 18 years for the local Pepsi bottler on PEI. Jerry then moved on to auto mechanic work and after 16 months of that decided to head to Alberta for work.

On a trip home to Stratford, PEI during the winter of 2005, Jerry learned of a seasonal job offering with the Stratford Utility Department. He decided to apply for the job and



was awarded the position. In 2008, the Town of Stratford needed more permanent staff and Jerry took a full-time position. During this time Jerry achieved his Certification for Level I Water Distribution, Wastewater Collection, and Wastewater Treatment.

As Jerry became more familiar with the infrastructure and processes his role expanded. He has a background in mechanical, electrical, welding, drafting, and a natural ability to troubleshoot. Jerry works with two

other utility staff members who deal with the issues that come with the phenomenal growth of one of the fastest growing communities in Atlantic Canada.

Jerry's ingenuity and dedication are qualities exemplified in his daily work with the Town of Stratford and he is an important part of the Stratford team.

The **Volunteer Recognition Award** is presented annually to recognize outstanding contributions by an individual or a group of individual volunteers to ACWWA programs and/or the water industry throughout Atlantic Canada.

The Volunteer Recognition Award for 2015 was presented to Cathy Cameron.

Most of you will know Cathy as she has been a very familiar face at our annual conference for the past 20 years.

Cathy began her volunteer work with ACWWA six years ago. She serves on the Education Committee and is the on-going Director at Large for the ABEA. She has also served on the conference planning committee for Fredericton's conference in 2013, the Halifax's conference in 2014, and is on the Moncton committee for 2016.

Outside of ACWWA, Cathy is the controller for Scotia Tech and Aqua Data Atlantic after having gone back to University in 1999 to get her Bachelor of Business and Administration from Mount Saint Vincent.

Cathy has been married to Tom Cameron for 31 years and is the mother of two children, Sarah and Christopher. In her spare time, Cathy loves to travel and enjoys knitting and reading.

The **Young Professional of the Year Award** recognizes a Young Professional within the Atlantic Canada Water & Wastewater Association for outstanding contributions to the water and waste-water industry, and to the ACWWA Young Professionals' Committee.

YPs are generally considered to be members or prospective members age 35 and under, or those new to the water industry. This includes those working for utilities, regulatory agencies, consulting firms, or academic institutions. Young Professionals represent a dynamic and energetic group of members of our association.

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The Young Professional Award for 2015 was presented to Lindsay Wilcott.

Lindsay graduated from Dalhousie's environmental engineering program in 2013. Shortly after joining CBCL Limited in January 2014, she jumped into a role with ACWWA as Magazine Chair. Lindsay has worked hard in her volunteer role and has continued to help our magazine be a key benefit for our membership. Lindsay has been fulfilling her duties with ACWWA



with enthusiasm and enjoyment. She is a great asset to the Board and will hopefully continue for years as an active member of ACWWA.

Our **Project of the Year Awards** are awarded by ACWWA to recognize outstanding projects in Atlantic Canada that demonstrate innovation and state-of-the-art technology in water or wastewater projects.

For the Small Utility (< 5,000 customers) category, the Project of the Year Award was presented to the Town of Bishop's Falls for the Bishop's Falls Wastewater Treatment Plant.

Bishop's Falls is a community of approximately 3,400 people that is located in central Newfoundland and Labrador. It was one of the last communities in the province to discharge raw wastewater into a freshwater body. The vital need for a wastewater treatment facility in Bishop's Falls was identified by the Town, and in early 2014 contracts were awarded for the construction of the wastewater treatment facility and infrastructure upgrades to the wastewater collection system. The wastewater treatment facility

consists of an ABYDOZ Wetland Treatment System including two primary clarifiers, two vertical beds, six horizontal beds, a stormwater bed, and four sludge treatment beds. The \$15 million wastewater treatment replaces six untreated outfalls that have been discharging to the Exploits River in Bishop's Falls.

The main engineering consultant on this project was DMG Consulting Limited along with contributions from ABYDOZ Environmental Inc.



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For the Medium Utility category (between 5,000 and 25,000 customers), the Project of the Year Award was presented to the City of Corner Brook for the Corner Brook Water Treatment Plant.

The City of Corner Brook experienced an outbreak of giardiasis in 1992. This event initiated the drive to build a state-of-the-art water treatment plant. This was a design-build project that cost approximately \$40 million. The design-build was led by Pomerleau Construction. The treatment plant was commissioned in February 2015.

The water treatment plant consists of a three train dissolved air flotation process, pH and alkalinity



adjustment, coagulation and flocculation. The plant has three parallel filters consisting of sand and anthracite. The filtered water is disinfected with UV and the then chlorinated. Finally, before entering the two on-site clear wells the finished water is pH adjusted again to assure a high-quality finished product. The treated water is also dosed with a phosphate product to reduce the aggressiveness of the finished water.

The City of Corner Brook and its residents are very pleased with the quality of water since commissioning of the new plant. There has been significant decrease in turbidity, color, and especially DBP levels throughout the system.

For the Large Utility category (> 25,000 customers), the Project of the Year Award was presented to the City of St. John's Petty Harbour Long Pond Water Treatment Plant.

The new Petty Harbour Long Pond Water Treatment Plant utilizes treatment processes to achieve a multi-barrier approach to water disinfection as recommended in the *Guidelines for Drinking Water Quality*.

Water entering the treatment plant is processed using travelling screens, flocculation, dissolved air flotation, dual media filtration, ultra-violet radiation, lime and carbon dioxide for corrosion control, and chlorine for disinfection and maintaining a residual in the distribution system.

While the city uses parts of these processes at the other two water treatment facilities, this is the City's first combination of several treatment techniques in one facility. The Mayor and Council of the City of St. John's approved construction of this facility employing the consulting services of Newfoundland Design Associated Limited and CH2M Hill Canada Limited.



Please note that nomination forms are available for the 2016 ACWWA Awards, and we encourage you to nominate your colleagues for next year! 🌊

Fresh Ideas Winner – Stefana Egli

By Julie Stokes

A Fresh Ideas participant is a presenter that is a first-time Young Professional participant at the ACWWA section conference. The Fresh Ideas program has been developed through AWWA's Manufacturers/Associates Council and the Young Professionals Committee.

This year, Stefana Egli was selected as the top presentation selected from this group of presenters and is given the opportunity to compete in the

Fresh Ideas poster competition at the AWWA Annual Conference and Exposition (ACE 2016) in Chicago, Illinois, representing the Young Professionals of ACWWA. Along with complimentary conference registration provided by the ACE organizing committee, ACWWA will provide the winner with a stipend to assist with travel costs to the conference.

Congratulations, Stefana! 🌊





Congratulations to all of this year's award recipients!



Keynote Speaker Gwynne Dyer with Jason Phillips (Conference Chair)



Fuller Award Winner Mark Butler (Dillon Consulting)



WEF Bedell Award Winner Bruce Buchanan



Scott Grasman (Past Chair) with John Eisnor (current Chair)



Getting screened in



Best of the Best Water Taste Test Winners



Best of the Best Water Taste Test Winners



Ed McCormick (WEF delegate) and Debbie McCormick



Water For People Fun Walk-Run



Many thanks to all who attended this year!

**We hope to see you all again next year in Moncton, NB!
Join us September 18 to 20, 2016.**



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Source to / Source

Call for Abstracts

Please join us for the annual ACWWA conference in Moncton, NB, in September 2016 for a conference you won't forget. Known to be Canada's most polite and honest city (*Readers Digest*, 2008), we dare you to figure out how your car rolls uphill at the extraordinary Magnetic Hill, and take in the live performances at the Casino or the Capitol Theatre, one of the few fully restored vaudeville theatres in Canada. Just a short drive away from idyllic beaches and magnificent natural wonders – take

a day trip to visit the Bay of Fundy or the Acadian coast, then come back to Moncton's downtown core to enjoy a fine dining experience.

The Moncton, NB committee is targeting a first-class technical program for the 2016 ACWWA Annual Conference, being held at the Delta Beausjour, located in the heart of our beautiful downtown, and just a short stroll away from the world renowned Tidal Bore. Reunite with friends and colleagues as we share Moncton's friendliness and

discuss the many issues and changes that we face in the water and wastewater industry. The conference will feature technical sessions, the ABEA tradeshow, networking opportunities, the ever popular 'Top Ops' competition and, new for 2016, a technical poster session.

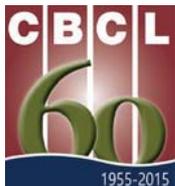
What innovation is being used in the development of your water source? Did you add a new treatment system? What are the challenges of your distribution system? What processes are being used to treat your wastewater? New regulations will be coming into place – How will you meet these regulations? 'Source to/ Source' is the opportunity to showcase projects and solutions on topics ranging from the source of our potable water to the effluent discharged into our water source, and everything in between! Please join us in Moncton to share your experiences and expertise to allow for everyone to improve on the delivery of these essential services to all users.

Oral presentations

The ACWWA is inviting abstract submissions for the 2016 Conference in Moncton, NB. All topics related to the water and wastewater profession will be considered. Presentations will be 20 minutes in length with five minutes for questions.

Selection criteria

Abstracts related to any water or wastewater topic will be considered. Submissions will be reviewed based on the significance of the work/content to a broad audience, originality of the work, new



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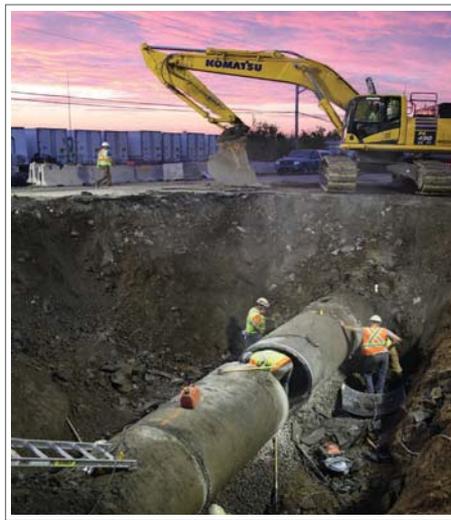


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concepts, improvements or new data, technical content, the status of the completeness of the work, and the relevance to the theme of the conference if applicable.

Authors will be notified of the selection of their abstracts for presentation by the end of May.

Please submit abstract, biography, and copyright release form online at www.acwwa.ca.

Instructions for submitting abstracts

Please submit an abstract (maximum length is 300 words) and a presenter biography (maximum length is 200 words) by **March 4, 2016**. Please include the completed cover page attached to this call.

Also, please indicate if the presenter (oral presentation or poster) is a first-time Young Professional participant at the ACWWA section conference, and would like to be considered for the Fresh Ideas program that has been developed through AWWA's Manufacturers/Associates Council and the Young Professionals Committee. The top presentation/poster selected from this group of presenters will be given the opportunity to compete in the Fresh Ideas poster competition at the AWWA Annual Conference and Exposition (ACE 2017) in Philadelphia, Pennsylvania, representing the Young Professionals of ACWWA. Along with complimentary conference registration provided by the ACE 2017 organizing committee, ACWWA will provide the winner with a stipend to assist with travel costs to the conference.

Poster session

****NEW**** For the first time, ACWWA is pleased to announce an opportunity for students and Young Professionals (YPs) to present a poster at our 2016 Annual Conference to share the results of their work and/or academic projects/research. This is a great opportunity to learn about our evolving water and wastewater industry and network with peers and industry professionals.

Abstracts for the poster session will be reviewed by the same Selection

Criteria as listed for oral presentations. When submitting an entry form, please follow the *instructions for submitting abstracts* but be sure to toggle to poster presentation. NOTE: If you are a Fresh Ideas delegate, please indicate when submitting your entry form and your poster will be judged as part of the Fresh Ideas competition. Best poster at the conference will be awarded a prize of \$250.

Thank you for your submissions and we look forward to seeing you in Moncton, NB! ☺

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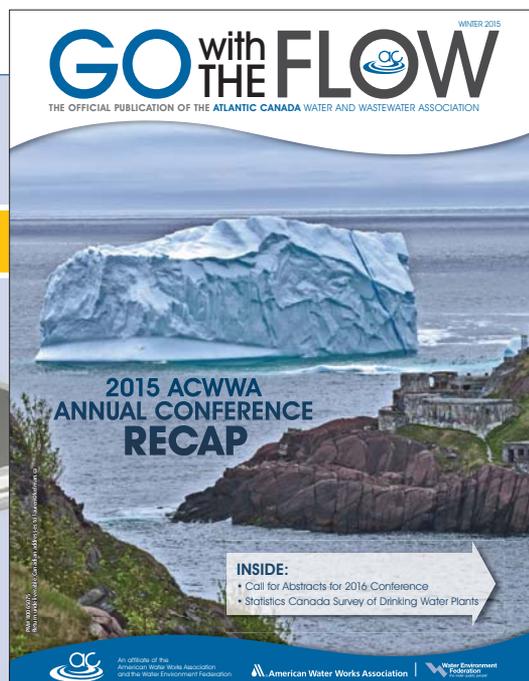
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click [HERE](#) to return to Table of Contents

UPDATE

Update from the YP and Water For People committees

By Brad McIlwain, YP Chair and Sean MacIsaac, Water For People Chair

This year's ACWWA Annual Conference was a busy and successful event for YPs and the Water For People Committee. There was a great turnout at the YP Mixer, the conference's kick-off event, which was held at the Gypsy Tea Room. The event featured delicious food and a great atmosphere, and it was a great event where YPs and seasoned vets could share stories.

Over the next few days at the conference, YPs were busy presenting, volunteering, and networking. There were a number of presentations given by YPs, including eight Fresh Ideas presenters. Stefana Egli, of Memorial University, won the competition with her presentation titled 'Thin-Film Molecularly Imprinted Polymers for Water Analysis.' She will now have the opportunity to present her work at AWWA's Annual Conference and Exhibition (ACE) 2016 in Chicago, IL. Good luck, Stefana!

A number of YPs also helped with Water For People events, including the silent auction and the 50:50 draw. More than \$17,000 was raised at this year's conference. A special thanks goes out to the ABEA who donated \$7,500, the City of Moncton employees who donated \$5,000, and everyone else who donated through the Silent Auction, the fun run, bracelet sales, and the lanyard exchange. Overall, it was a big success! For anyone looking to learn more about Water For People or to help out at other Water For People events, contact the Water For People Chair, Sean MacIsaac (seanmacisaac@dal.ca).

The YP Committee and Water For People Committee have more great events planned for this winter. We will be hosting a Winter Pool (Billiards) Party in December, and we are planning several other events for early in the new year, such as a curling bonspiel and a bowling night.

More details will be provided in the monthly YP Newsletter and on twitter (@acwwayp). If you do not currently

receive the newsletter but would like to be added to the list, contact Brad McIlwain (bmcilwain@cbcl.ca). 



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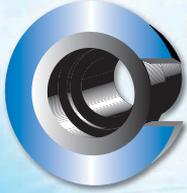
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Statistics Canada – 2015 Survey of Drinking Water Plants

In the winter of 2016, Statistics Canada will be conducting the Survey of Drinking Water Plants. This survey is a census of public drinking water plants serving communities of 300 or more people. The survey results will produce a national portrait of treatment processes and costs, and source water quality across Canada. The plants in the survey range in size from ones that use complex treatment processes for surface water to ones that use minimal treatment for groundwater. The data collected will be used to monitor water reserves at the regional level in Canada and to develop environmental accounts.

Drinking water plant operators will be contacted by phone in January of 2016 to verify contact name and address. The survey will be mailed out in February 2016 and we encourage all utilities that receive the survey to complete it as best and as soon as possible and return it to Statistics Canada. More information about the survey can be found at <http://www.statcan.gc.ca/cgi-bin/imdb/p2SV.pl?Function=getSurvey&SDDS=5149&lang=en&db=imdb&adm=8&dis=2>.

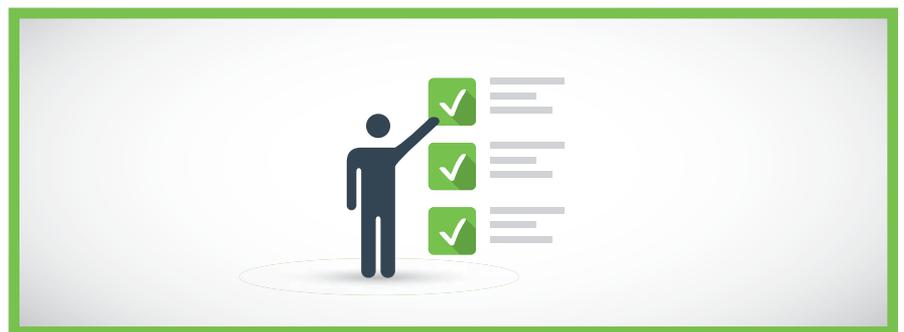
Specific enquires about this survey should be directed to Environment, Energy and Transportation Statistics Division, Statistics Canada, Ottawa, Ontario, K1A 0T6 or by email to environ@statcan.gc.ca.

Statistique Canada – l'enquête sur les usines de traitement de l'eau potable, 2015

En hiver 2016 Statistique Canada procédera à l'Enquête sur les usines de traitement d'eau potable. Cette enquête est un recensement des usines de traitement d'eau potable publiques desservant des collectivités de 300 personnes ou plus. Les résultats de l'enquête produiront un portrait national des processus et coûts de traitement et de la qualité de l'eau brute à travers le Canada. Les usines ou les établissements qui participent à l'enquête vont de ceux qui utilisent des procédés complexes pour traiter l'eau de surface, à ceux qui utilisent des procédés minimaux pour traiter l'eau souterraine. Les données serviront à suivre l'état des réserves en eau à l'échelle régionale au Canada, ainsi qu'à établir les comptes de l'environnement.

Les opérateurs des usines de traitement d'eau potable seront contactés par téléphone en janvier 2016 pour vérifier le nom et l'adresse de la personne contact. Les questionnaires seront postés en février 2016 et nous encourageons les usines à le remplir du mieux possible et au plus vite, et de le renvoyer à Statistique Canada. Pour plus d'information concernant l'enquête, veuillez consulter http://www.statcan.gc.ca/cgi-bin/imdb/p2SV_f.pl?Function=getSurvey&SDDS=5149&lang=en&db=imdb&adm=8&dis=2.

Vous pouvez adresser vos questions sur la présente enquête à la Division de la statistique de l'environnement, de l'énergie et des transports, Statistique Canada, Ottawa (Ontario), K1A 0T6, ou par courrier électronique à l'adresse suivante: environ@statcan.gc.ca. 



AWWA releases Iron and Manganese Removal Handbook, Second Edition

Source: awwa.org

Publication now available in AWWA's online store

(DENVER) – The American Water Works Association has released its newest publication – *Iron and Manganese Removal Handbook, Second Edition* by John Civardi and Mark Tompeck.

Advancements in treatment technology, new regulations and changes in the environment necessitated a second edition of *Iron and Manganese Removal Handbook*.

Demonstrated through field experiences and case studies, specific topics discussed in the handbook include an analysis of current and emerging methods, guidance for handling residuals, details on treatment process selection and design and

background on expanded regulations and health impacts. The authors also explain the processes and calculations involved in the removal of iron and manganese before it reaches consumers.

Iron and Manganese Removal Handbook, Second Edition is available in AWWA's online store at www.awwa.org/store/productdetail.aspx?productid=28344. It is also available as a PDF download.

About the authors:

During more than 25 years of experience in water treatment, **John Civardi** has been the lead project engineer for many groundwater treatment projects to remove iron and manganese. He has published papers in *Water World*, the *New England Water Works Association Journal*, the *International Water Association*

conference proceedings and corporate in-house publications. In 2003 he was the winner of the New England Water Works Association's Dexter Brackett Award for Best Paper.

As a senior vice president in Hatch Mott MacDonald's Water Division and the firm's water practice leader, **Mark Tompeck** has developed expertise in many areas of water supply engineering, from planning and design to permitting and construction engineering. He has served as project manager on a wide variety of projects involving the design and construction of treatment plants, pumping stations, chemical storage/feed facilities, water and sewer pipelines, storage tanks and wells. 

Send your news items to:
Lindsay Wilcott,
ACWWA Magazine Chair
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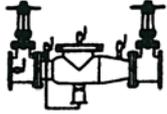
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- Within the pages of each issue, we actively encourage our readers to REUSE and RECYCLE.
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