

ST. JOHN'S

A C W W A 2 0 1 5



MAKING WAVES

OCTOBER 4 - 6, 2015

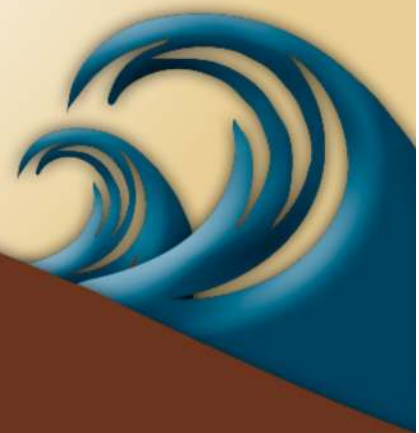
DELTA ST. JOHN'S HOTEL AND CONFERENCE CENTRE



MAKING WAVES

OCTOBER 4 - 6, 2015

DELTA ST. JOHN'S HOTEL AND CONFERENCE CENTRE



Welcome Message from the ACWWA Chair

The theme of this year's conference, "Making Waves", could not be more topical given the challenges the changing weather patterns place on those that operate and maintain municipal utilities.



When I had the opportunity to travel to St. John's in 2007 to attend the ACWWA Annual Conference, I remember being excited to visit Newfoundland and Labrador for the first time. Reflecting on that conference now, I can tell you that the experience did not disappoint.

On behalf of the Board of the Atlantic Canada Water & Wastewater Association, I extend a warm invitation for you to join us in St. John's and attend the 68th Annual Conference from October 4-6 at the Delta Hotel and Convention Centre.

The theme of this year's conference, "Making Waves", could not be more topical given the challenges that changing weather patterns place on those that operate and maintain municipal utilities. Jason Phillips and his conference committee in St. John's have been hard at work organizing an event that delegates have come to trust as the premier Atlantic Canadian water and wastewater industry conference of the year. A robust technical program featuring a broad mix of topics related to potable water, wastewater, and storm water will provide excellent value to those that seek to enhance their knowledge. The ABEA tradeshow will showcase all of the latest industry products and technologies and most importantly, offers delegates the chance to speak directly with knowledgeable product representatives. Together with all of the networking events, competitions, and technical tours that combine to provide

excellent value for your registration, having the ACWWA Conference back in St. John's where delegates will experience wonderful hospitality in the capital city of Canada's easternmost province makes this year's conference a 'can't miss' event.

Mark your calendars. Plan to attend the 68th ACWWA Conference, and be sure to register early. We look forward to seeing you in St. John's this October!

Scott Grasman
Chair, Atlantic Canada Water & Wastewater Association



Welcome to the 2015 ACWWA Annual Conference

This year's conference theme is "Making Waves"...in Atlantic Canada these "waves" could include the environment and weather which provides challenges to the operation of our systems, or they can be viewed as the treatment processes at our water and wastewater treatment facilities.



Please join us for the 2015 Annual ACWWA conference in St. John's, NL from October 4th to 6th, this will mark the 68th year for the conference. The St. John's conference committee has been working hard to prepare a conference program that will appeal to all aspects of the Atlantic Canadian water and wastewater industry. The conference will be held at the Delta St. John's Hotel and Conference Centre which is located in the heart of downtown, with easy access to the best local attractions, including world-famous George Street and two of Canada's National historic sites – Signal Hill and Cape Spear.

This year's conference theme is "Making Waves", this theme is meant to cover all of the challenges and changes which we experience every day in the water and wastewater industry. In Atlantic Canada these "waves" could include the environment and weather which provides challenges to the operation of our systems, or they can be viewed as the treatment processes at our water and wastewater treatment facilities.

The conference will start on Sunday with a technical tour of the dissolved air flotation (DAF) treatment process at the Bay Bulls Big Pond water treatment plant and golf in the afternoon followed by the Meet and Greet in the evening. On Monday morning,

during the opening session, the major AWWA and WEF awards will be handed out and we will hear from our keynote speaker Gwynne Dyer. The technical sessions will begin on Monday morning and continue into the afternoon followed by the Top Ops competition. Monday night will provide an opportunity to explore St. John's and dine in one of the many local restaurants or pubs. We will meet later in the evening to experience the ABEA Hospitality night at one of the local bars along the world famous George Street. We will start off Tuesday morning with the annual Awards Breakfast followed by the ABEA Tradeshow which will provide an opportunity to meet with suppliers and view the latest in new technology and products that are "Making Waves" in our industry. After the tradeshow we will have the final round of technical sessions followed by the Down East Feast with local entertainment that I'm sure everyone will enjoy. Make plans to reunite with friends and colleagues as we share our Newfoundland Hospitality and share your experiences Making Waves in the water and wastewater industry. We hope to see you in St. John's! You can check for conference details and updates anytime by visiting www.acwwa.ca.

Jason Phillips, P. Eng.,
2015 ACWWA Annual Conference Chair

Keynote Speaker Gwynne Dyer

Born in
Newfoundland,
Gwynne Dyer
received degrees
from Canadian,
American and
British universities,
finishing with a
Ph.D. in Military
and Middle Eastern
History from the
University of
London.



Gwynne Dyer has worked as a freelance journalist, columnist, broadcaster and lecturer on international affairs for more than 20 years, but he was originally trained as an historian. Born in Newfoundland, he received degrees from Canadian, American and British universities, finishing with a Ph.D. in Military and Middle Eastern History from the University of London. He served in three navies and held academic appointments at the Royal Military Academy Sandhurst and Oxford University before launching his twice-weekly column on international affairs, which is published by over 175 papers in some 45 countries.

His first television series, the 7-part documentary 'War', was aired in 45 countries in the mid-80's. One episode, 'The Profession of Arms', was nominated for an Academy Award. His more recent works include the 1994 series 'The Human Race', and 'Protection Force', a three-part series on peacekeepers in Bosnia, both of which won Gemini awards. His award-winning radio documentaries include 'The Gorbachev Revolution', a seven-part series based on Dyer's experiences in Eastern Europe and the former Soviet Union in 1987-90, and 'Millenium', a six-hour series on the emerging global culture.

In Canada, Dyer's column appears regularly in the Telegram in St. John's, the Halifax Daily News, the Fredericton Daily Gleaner, Le Soleil in Quebec City, La Presse in Montreal, Le Droit in Ottawa, the Kingston Whig-Standard, NOW in Toronto, the Hamilton Spectator, the Kitchener-

Waterloo Record, the Guelph Mercury, the Sudbury Star, the Thunder Bay Chronicle-Journal, the Winnipeg Free Press, Prairie Dog/Planet S in Saskatchewan, Vue in Edmonton, Fast Forward in Calgary, Georgia Straight in Vancouver, Times Colonist in Victoria, and about forty other newspapers.

Dyer's recent books include "Ignorant Armies: Sliding into War in Iraq" (2003), "Future: Tense" (2005) and "The Mess They Made: The Middle East After Iraq" (2007), all of which were number one or number two on the Globe & Mail's non-fiction best-seller list.

His new book "Climate Wars", based on his recent CBC "Ideas" series of the same name, deals with the frightening geopolitical implications of large-scale climate change, and has just been published in Canada by Random House.

"Crawling from the Wreckage", just published, traces the world's halting emergence from the dark tunnel of the past decade, a time marked by exaggerated fears of terrorism, futile and unnecessary wars in the Middle East, neglect of climate change, and financial near-collapse.

ACWWA 2015 Conference Highlights



SUNDAY, OCTOBER 4

9:30 am	ACWWA Golf Tournament
1:00 pm	Technical Tour – Bay Bulls Big Pond Water Treatment Plant
	Dissolved Air Floatation Facility
5:30 pm	Young Professional Mixer
	Gypsy Tea Room – Water Street
7:30 pm	Meet and Greet Reception – Harbourview Ballroom

MONDAY, OCTOBER 5

8:00 am	Official Conference Opening
	Fuller / Bedell / MacNab Awards Ceremony
	Keynote Speaker – Gwynne Dyer
11:45 am	Annual General Meeting Luncheon
3:15 pm	Top Ops Competitions
5:00 pm	Water for People – Fun Walk (or Run)
	Quidi Vidi Lake – single loop = 3.85 km
6:00 pm	Dine on your Own
9:00 pm	ABEA Hospitality Night – George Street

TUESDAY, OCTOBER 6

7:30 am	Best of the Best Water Taste Test
8:00 am	ACWWA Awards Breakfast
9:00 am	ABEA Tradeshow
6:30 pm	Water Works Club Reception
7:00 pm	Down East Feast

ACWWA 2015 Technical Program- Monday

Monday, Oct 5	10:00 - 10:30	10:30-11:00	11:00-11:30
Technical Session: A1	The sewage recycling system (SRS) - breaking new ground in wastewater treatment	Lakeside wastewater pumping station diversion project	Membrane technology for the treatment of secondary effluents from municipal wastewater systems
SALON B	Jean Navert - BioForm Sewage Mining (a Division of Canadian Sewage Mining)	Roger Levesque - Halifax Water	*Melissa Fraser - Dalhousie University
Technical Session: A2	The design build experience - Corner Brook WTP and Eastern Passage WWTF	Emergency repairs to the Lake Major Dam fish ladder	Regaining process control at the Stellarton WTP
SALON C	Mike Chaulk - CBCL & Rob Gillis - Halifax Water	John Eisnor & Rob Gillis - Halifax Water	Ben Bickerton - CBCL
Technical Session: A3	Metrology and measurements discussion	Impacts of extreme weather-related events on water utilities	The design and construction challenges of open trench watermain replacement
SALON D	Ben Van Mierlo - Neptune Technology Group	Jennifer Warner & Kenan Ozekin - Water Research Foundation	Gary Caul - RV Anderson
Hands-on Session	Automatic Control Valves: A Look at How They Work and How They Can Be Used to Optimize Waterworks Distribution System Kemtag		Operator Certification in Atlantic Canada
Monday, Oct 5	1:30-2:00	2:00-2:30	2:30-3:00
Technical Session: B1	Condition assessment of prestressed concrete cylinder pipe - St John's case study	Effect of orthophosphate on metals release and biofilm formation in annular reactors	Controlling lead in drinking water: Phosphate inhibition, lead service line replacement and the role of the water main
SALON B	Cameron White - Pure Technologies Ltd.	*Sarah Butt - Dalhousie University	*Benjamin Trueman - Dalhousie University
Technical Session: B2	Sanitary sewer relining at Dublin Rd. area, St John's	MH rehabilitation	Diagnostic imaging for in-situ condition assessment of flexible conduits
SALON C	*Mark Harvey - RV Anderson	Kevin Bainbridge - Robinson Consultants	Stephen McCormick - Inversa Systems
Technical Session: B3	The benefits and challenges of a drinking water sector P3 project	Asset management, meeting your C.A.M.P. requirements and keeping your Gas Tax funding	St. John's regional water system: Planning for the future
SALON D	Dean Price - City of Saint John	Hans Arisz - RV Anderson	Greg Sheppard - CBCL
Hands-on Session	Feeling the Pressure? Take Control Of Unexpected, Often Harmful, Pressure Fluctuations Using Assisted Remote Cellular Communication Mueller Canada		

ACWWA 2015 Technical Program- Tuesday

* Fresh Ideas presenters are a first time Young Professional participant at the ACWWA section conference presenting a water related topic, and will 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 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 2016) in Chicago, Illinois, representing the Young Professionals of ACWWA. Along with complimentary conference registration provided by the ACE 2016 organizing committee, ACWWA will provide the winner with a stipend to assist with travel costs to the conference.

Tuesday, Oct 6	1:15-1:45	1:45-2:15	2:15-2:45
Technical Session: C1	Study on the effectiveness of water treatment plants in Newfoundland and Labrador	An assessment of drinking water supply dams in Newfoundland and Labrador	A bench-scale study of the effect of pre-ozonation on geosmin removal and natural organic matter
SALON E	*Melissa McComiskey - NL Department of Environment	Paula Dawe - NL Department of Environment	*Dallys Serracin-Pitti - Dalhousie University
Technical Session: C2	Aeration basin elimination	Modeling and optimization of the removal of polycyclic aromatic hydrocarbons (PAHs) from oily wastewater using ozonation	Lessons learned – Integral to project management-case study: Eastern Passage WWTF expansion and upgrade project
SALON F	Nicholas John Lombardo & Greg Gaffney - Blueingreen	* Liang Jing - Memorial University	Ian Guppy - Halifax Water
Technical Session: C3	Conservation and efficiency through AMI	The case for permanent leak detection on large diameter water transmission mains	Understanding the advantage of pressure flexible plastic pipes
SALON G	Mike Ross & John Wilton - KTI Ltd/ Sensus	Stewart Day - Echologics	Alois Multerer - Primus Line

Tuesday, Oct 6	3:00-3:30	3:30-4:00	4:00-4:30
Technical Session: D1	Water and wastewater system upgrades at Dalvay National Park, PE	A practical approach to undertaking a live inspection of a 5.6 km Long, 1200 mm diameter pre-stressed concrete cylinder pipe (PCCP)	Water analytics research consortium + Yaffle = water quality
SALON E	Matt Follett - SNC Lavalin	David Crowder - RV Anderson & Mike Zantingh from the City of Hamilton	Carlos Bazan & *Stefana Egli - Memorial University
Technical Session: D2	City of St. John's – Petty Harbour Long Pond water treatment plant – The long and the short of it!	New waves in community education	Securing access to your water distribution system
SALON F	Jeff Beaty - CH2M Hill	Joyce Babin - Cape Breton Regional Municipality Water Utility	Jay Morrison - Flowpoint Systems
Technical Session: D3	Validation of rapid testing method for microbiological testing in wastewater following UV	Use of innovative enzymatic method for the determination of fecal coliforms in waste waters	Delivering long-term value for water/wastewater Projects
SALON G	* Brian Middleton - Dalhousie University	Gil Ditcher - IDEXX Water	Stefan Dery - PPP Canada

8th Annual ABEA Common Hospitality Reception



This year's event will be held at O'Reillys Irish Newfoundland Pub located in the heart of St. John's entertainment district, George Street.

The Atlantic Branch Equipment Association is pleased to invite all delegates to the "8th Annual ABEA Common Hospitality Reception" on Monday evening beginning at 9 pm. This event has become one of the premier events of the conference as it allows for social interaction between delegates and the ABEA equipment suppliers.

This year's event will be held at O'Reillys Irish Newfoundland Pub located in the heart of St. John's entertainment district, George Street. Voted by enRoute magazine and Rickards Beer as the #1 Bar in Canada, O'Reillys guarantees you will have "A ROLICKING NEWFOUNDLAND TIME". As always, live music, dancing, drinks and snacks will be plentiful.



Please remember your delegate badge for admittance and be sure not to miss out on this private ABEA member sponsored evening.

2015 ACWWA Companions Program



The St. John's conference committee is pleased to offer another great companions program for this year's conference. The City of St. John's is the oldest city in North America and offers a rich history and culture and stunning coastal scenery. The conference hotel is located in the heart of downtown, with easy access to the best local attractions, including world-famous George Street, the East Coast Trail where the rugged coastline and 10,000-year-old icebergs provide stunning scenery for nice hiking or two of Canada's national historic sites – Signal Hill, where Marconi received the first transatlantic wireless signal and Cape Spear, the most easterly point in North America.

The program unofficially starts on Sunday morning with the annual golf tournament which is open for any golf enthusiasts that wish to register for this event. The golf will commence at 9:30 am and will be held at the Clovelly Golf Club on the Par 72 Osprey course. On Sunday evening at 7:00 pm the "Meet and Great" will be held which will provide an opportunity to meet new friends and catch up with past acquaintances.

On Monday morning the companions are invited to attend the conference opening ceremonies and have an opportunity to hear from the keynote speaker Gywnne Dyer. Following the opening ceremony we will meet at 10:00 am to participate in a chocolate making session at the Newfoundland Chocolate Factory where you will have the opportunity to make your own chocolates! We will then have lunch at a local restaurant followed by a scenic tour of St. John's and its local attractions. After we return there will be an opportunity to explore downtown on your own and dine at one of the many local restaurants. The evening will conclude with the ABEA Hospitality event being held at O'Reilly's Pub located on the world famous George Street only a short walk from the hotel.

Tuesday morning we will visit The Rooms – the provincial museum and art gallery, for a guided art activity and interpretive tour of the art gallery. We will have lunch at the Rooms Café which offers panoramic views of the City. The rest of the day will be yours to enjoy. We will conclude our program with the Down East Feast which will be celebrated in Newfoundland style as a "kitchen party" with a buffet dinner.

Make plans to
reunite with friends
as we share our
Newfoundland
Hospitality, we
hope to see you
in St. John's! You
can check for
conference details
and updates
anytime by visiting
www.acwwa.ca.

Top Ops Competitions

Do your water or wastewater treatment plant operators want to make waves at the 2015 ACWWA Annual Conference in St. John's, NL? If so, register a team for the 11th ACWWA Top Ops Competitions and let your operators demonstrate their knowledge in a fun and fast-paced contest against the best operators in Atlantic Canada.



Do your water or wastewater treatment plant operators want to make waves at the 2015 ACWWA Annual Conference in St. John's, NL?

If so, register a team for the 11th ACWWA Top Ops Competitions and let your operators demonstrate their knowledge in a fun and fast-paced contest against the best operators in Atlantic Canada.

Spectators are encouraged to attend and cheer on their favorite team!

For further information, or to register a team in either the water or wastewater Top Ops Competitions, please contact Deneen Spracklin at dspracklin@gov.nl.ca or (709)729-1158.

The event will include two separate competitions for operators to demonstrate their supremacy in the water and/or wastewater industry. Each team will be comprised of three operators, and the competition is scheduled for Monday October 5th at 3:15 pm.



ACWWA Best of the Best Water Taste Test

Come out and enjoy the competition and see who has the best tasting water in Atlantic Canada this year.

For the third time, the ACWWA will be hosting the "Best of the Best" taste test competition. This is a testament to the care and diligence taken by our water professionals of providing the highest quality and best tasting potable water possible to our consumers, and we keep getting better and better. People are running to their taps every day and multiple times a day to drink our delicious product.

For the third time, the ACWWA will be hosting the "Best of the Best" Taste test competition. This is a testament to the care and diligence taken by our water professionals of providing the highest quality and best tasting potable water possible to our consumers, and we keep getting better and better.

Atlantic Canada Municipal water utilities are invited to submit a water sample to be judged by a panel of media and water professionals. Samples will be rated on appearance, smell or lack thereof, taste and overall impression. Utilities entering this prestigious event would also have the opportunity to supply a description, designed in your own words, about the taste of your water using whatever bragging rights you could employ to influence the judges decisions, as with last year be creative.

There will be a special award for the best water description. The first place winner will have

the opportunity to represent ACWWA at the AWWA annual conference and exposition (ACE) "Best of the Best" Taste Test in Chicago, IL in 2016.

The competition will take place on Tuesday morning October 6, 2015 at the Awards Breakfast. Entry forms, rules and judging criteria are available on the ACWWA Conference website. Entry forms are due by September 11, 2015. For more information, please contact Deborah Smith at (709)745-1870 or dsmith@stjohns.ca



got water?

Young Professionals Mixer

We encourage everyone to stop by The Gypsy Tea Room on Sunday evening at 5:30 pm and join our Young Professionals for some tasty finger foods and refreshing conversation.



The Young Professionals Committee is an active group which offers engaging networking and volunteer opportunities for members of ACWWA who are new to the water and wastewater industry. Each year, the committee organizes numerous technical tours, and educational and social events.

We encourage everyone to stop by The Gypsy Tea Room on Sunday evening at 5:30 pm and join our Young Professionals for some tasty finger foods and refreshing conversation.



The Gypsy Tea Room is located at 315 Water Street, just minutes from the Delta Hotel, in the heart of the downtown core. The function will be taking place downstairs in the "cellar".



2015 Atlantic Branch Equipment Association Tradeshow

This popular event provides delegates and participants the chance to network with equipment suppliers as they showcase their companies. Prepare to be inspired and educated on wide variety of new and innovated products and services unique to the waterworks industry.



The 2015 Atlantic Branch Equipment Association Tradeshow will be held Tuesday morning at the Delta Hotel.

The show will be held on Tuesday at 9AM and feature up to 65 booths in the main ballroom and foyer area. This popular event provides delegates and participants the chance to network with equipment suppliers as they showcase their companies.

Prepare to be inspired and educated on a wide variety of new and innovative products and services unique to the



waterworks industry.

Don't miss out on the generous supplier gift giveaways and hospitality. The show will also feature a buffet style lunch, so get there early and find out what the ABEA Tradeshow buzz is all about.

ACWWA Technical Tour

The St. John's Metropolitan Area, with a population of over 200,000, is supplied by three surface water sources. These sources include Windsor Lake and Petty Harbour Long Pond, supplying only the City of St. John's, and Bay Bulls Big Pond, which supplies water for the Regional municipalities of St. John's, Mount Pearl, Paradise, Conception Bay South and Portugal Cove-St. Philip's.



Regional Water System – Bay Bulls Big Pond Water Treatment Plant Dissolved Air Flotation (DAF) Pre-Treatment Process

The Regional Water System's Bay Bulls Big Pond Water Treatment Plant, designed and constructed over the period of 1975 to 1978, is the largest of three water treatment plants. In the years since its construction, the treatment plant has undergone various upgrades and expansions including additional pumping and filter capacity, upgrades to ozone system, life safety, SCADA, process control, electrical distribution and most recently the addition of the pre-treatment process dissolved air flotation (DAF).

Dissolved air flotation is highly efficient in pre-treating low turbidity raw water to provide pathogen, colour and algae removal, turbidity reduction and improved filter performance. As a result of pumping upgrades to facilitate implementation of

the DAF process, the peak plant production increased to 126,000 cubic meters per day, 126 megalitres per day or 27.7 million gallons per day.

With assistance from design and engineering consultants NDAL and CH2MHill, the DAF pre-treatment process was commissioned and put into service in November 2013. Since the startup of the pre-treatment process, Regional Water staff have observed improvements in plant effluent water quality. Ozone demand and chlorine dosages have been decreased and plant effluent UV transmittance has improved. Additionally, chlorine disinfection by-products such as THMs and HAAs have been reduced throughout the distribution system to less than 5 mg/L.



Conference Registration

PART 1 – GENERAL INFORMATION

FIRST NAME		LAST NAME		ORGANIZATION	
MAILING ADDRESS				CITY	
PROVINCE	COUNTRY	POSTAL CODE		AWWA/WEF MEMBERSHIP NUMBER	
PHONE		FAX			
REGISTERED COMPANION			EMAIL ADDRESS		
Sector <input type="checkbox"/> Utility <input type="checkbox"/> Supplier <input type="checkbox"/> Contractor <input type="checkbox"/> Consultant <input type="checkbox"/> Student <input type="checkbox"/> Academic <input type="checkbox"/> Regulator <input type="checkbox"/> Other					

PART 2 – REGISTRATION

Full Conference Delegate – On or Before September 11, 2015	<input type="checkbox"/> Member – \$475	<input type="checkbox"/> Non-Member – \$525	\$
Full Conference Delegate – After September 11, 2015	<input type="checkbox"/> Member – \$575	<input type="checkbox"/> Non-Member – \$625	\$
Companion Program	<input type="checkbox"/> Member/Non-Member – \$250		\$
Student (Includes Meet & Greet, Lunches, Awards Breakfast and Trade Show)	<input type="checkbox"/> Member/Non-Member – \$100		\$
Monday Full Day Pass (Includes AGM Lunch and ABEA Hospitality Reception)	<input type="checkbox"/> Member – \$250	<input type="checkbox"/> Non-Member – \$275	\$
Tuesday Full Day Pass (Includes Trade Show & Lunch and Down East Feast)	<input type="checkbox"/> Member – \$250	<input type="checkbox"/> Non-Member – \$275	\$
Tuesday 1/2 Day Trade Show Pass (Includes Trade Show Lunch)	<input type="checkbox"/> Member – \$125	<input type="checkbox"/> Non-Member – \$150	\$
Register before August 7 and be entered for the early bird draw			
Part 2 – Subtotal			\$

PART 3 – TRADE SHOW BOOTH RENTAL & EXHIBITOR REGISTRATION

Booth Rental (Max 3 Booths & 2 People/Booth)	ABEA Member – ___ Booths @ \$500	Non-Member – ___ Booths @ \$850	\$
Extra Exhibitor Registration (includes Meet & Greet, ABEA Hospitality Reception and Trade Show Lunch)	ABEA Member – ___ @ \$75	Non-Member – ___ @ \$100	\$
Exhibitor registration does not include the full conference. To attend full conference, please register as a Delegate in Part 2			
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
Part 3 – Subtotal			\$

PART 4 - MEALS & ACTIVITIES

Sunday, October 4		Please indicate Attendance by checking box	
Golf (transportation not included)	Shirt: S__ M__ L__ XL__ XXL__	___ @ \$70 =	\$
Technical Tour – Dissolved Air Flotation Facility – Bay Bulls Big Pond Water Treatment Plant		___ @ \$10 =	\$
Young Professionals Mixer (Included)	<input type="checkbox"/> Delegate <input type="checkbox"/> Companion	<input type="checkbox"/> Exhibitor ___	
Meet & Greet (Included)	<input type="checkbox"/> Delegate <input type="checkbox"/> Companion	<input type="checkbox"/> Exhibitor ___	
Monday, October 5			
Pick-up Breakfast	<input type="checkbox"/> Delegate <input type="checkbox"/> Companion	Included	
Annual General Meeting Luncheon (Included for Delegate)	<input type="checkbox"/> Delegate	<input type="checkbox"/> Exhibitor ___ @ \$60	\$
Companion's Luncheon (Included with Companion Program)		<input type="checkbox"/> Companion	
ABEA Hospitality Reception (Included)	<input type="checkbox"/> Delegate <input type="checkbox"/> Companion	<input type="checkbox"/> Exhibitor ___	

Conference Registration

Tuesday, October 6			
Awards Breakfast	<input type="checkbox"/> Delegate	<input type="checkbox"/> Companion	Included
	<input type="checkbox"/> Exhibitor ____ @ \$40		\$
Trade Show Luncheon (Included)	<input type="checkbox"/> Delegate	<input type="checkbox"/> Companion	<input type="checkbox"/> Exhibitor ____
Down East Feast (BUFFET-cod/salmon/chicken/beef)	<input type="checkbox"/> Delegate	<input type="checkbox"/> Companion	Included
	<input type="checkbox"/> Extra Tickets ____ @ \$85		\$
Screech In	____ @ \$10 =		\$
Please describe any dietary restrictions or other special needs you may have			Part 4 – Subtotal \$

PART 5 - TOP OPS COMPETITION REGISTRATION

Top Ops Team Registration	<input type="checkbox"/> Water	<input type="checkbox"/> Wastewater	____ Team @ \$50.00	\$
To complete team registration contact Deneen Spracklin at (709) 729-1158 or dspracklin@gov.nl.ca			Part 5 – Subtotal	\$

PART 6 – FEES

Subtotal	\$
Life Members deduct \$100.00	\$
13% HST (869 924 910 RT2)	\$
Water for People Fun Run/Walk ____ @ \$25.00	\$
Total Amount Due	\$

PART 7 - PAYMENT OPTIONS

Choose payment method. Complete as appropriate.			
<input type="checkbox"/> Cheque	<input type="checkbox"/> Money Order	<input type="checkbox"/> Visa	<input type="checkbox"/> Mastercard
Please make cheque or money order payable to "ACWWA 2015 Conference", Box 28142, Dartmouth, NS B2W 6E2			
CARD HOLDER NAME			
CARD NUMBER		EXPIRY	
SIGNATURE			
Fax: 902-435-7796 or Email: contact@acwwa.ca		EMAIL ADDRESS	
WHEN PAYING WITH A CREDIT CARD AN EMAIL ADDRESS IS REQUIRED FOR A RECEIPT TO BE ISSUED			

Conference Information

Full conference has a 1.5 CEU value.

Trade Show Information

Each booth measures 8' x 10' in the main ballroom and 6' x 10' in the hallway/lobby. Booth selection will be online and first come first serve. ABEA members will have exclusive access for one week prior to general public. Contact the ABEA to learn more about becoming an ABEA member, Cathy Cameron at scotiatech.main@ns.sympatico.ca. For trade show questions contact Steve Philpott at steve.philpott@canadapipe.com.

ACWWA Cancellation Policy

Cancellations must be received in writing, on company letterhead, and faxed, mailed or emailed to the ACWWA Office. Phone cancellations are not accepted. All cancellations postmarked/fax-dated 14 days in advance of the conference start date will receive a full refund, minus a 10% administrative fee. Cancellations between 7 and 14 days of the conference start will receive a 50% refund. Cancellations less than 7 days in advance of conference will not be refunded. Please note that substitute registrants are welcome. Fax requests for substitutions or cancellations to (902) 435-7796 or email to contact@acwwa.ca.

Down East Feast Entertainment: Rising Tide Theatre

Many locals and up to 20,000 tourists from all over the world head out to Trinity each year to partake in Rising Tide's Seasons in the Bight theatre festival – a celebration of the culture and heritage of this great province.



Rising Tide Theatre has put together a show sure to entertain, including stories of traditional Newfoundland with a comical twist. For over thirty years Rising Tide has been entertaining locals and tourists alike, most notably through their Seasons in the Bight theatre festival in Trinity and their annual Revue tour.

some of the best writers and performers in Newfoundland and Labrador.

Many locals and up to 20,000 tourists from all over the world head out to Trinity each year to partake in Rising Tide's Seasons in the Bight theatre festival – a celebration of the culture and heritage of this great province.



Revue is a political and social look back at the year that was, providing audiences with a hilarious evening of satirical skits and songs. Revue tours across the province every year and is created collectively with

Anchored by the outdoor pageant experience, *Seasons in the Bight* delights patrons with daily shows and a rousing dinner theatre.

ACWWA 2015 Annual Golf Tournament



All are welcome –
and encouraged
- to join us for this
annual event where
you can enjoy the
company of old
acquaintances and
make new ones
along the way.

Join us on
Sunday October 4th,
at Clovelly – The Osprey
Tee times will commence
at 9:30am Price (\$70)
includes both Green fee
and shared cart

All are welcome – and encouraged- to join
us for this annual event where you can
enjoy the company of old acquaintances
and make new ones along the way.

Sponsors are becoming an integral part
of the golf experience at the ACWWA
Conference, so please take a moment to
notice who has provided their support.

***If you have particular requests for your
foursome, please indicate this by emailing
scotiatech.main@ns.sympatico.ca upon
completion of your registration.*

NOTE: Due to ordering deadlines, only

those who register prior to September 1st
will be guaranteed a clothing item.

The Osprey- One of Atlantic Canada's
premier golfing facilities- routed through
the traditional landscape of the Avalon
Peninsula- natural wetlands, small scenic
ponds and surrounding forest.

An excellent mix of holes is showcased
by our demanding, yet playable Par 5's,
short and medium length Par 3's, and a
perfect mix of Par 4's. The course can play
differently every day due to the varying
winds off the Atlantic, which will provide a
challenge to every golfer.

www.clovelly.ca/golf/the-courses/the-osprey/
100 Golf Course Rd. St. John's, NL A1C 5M3

See you there!



Support Water For People – Canada



The Water For People organization website (www.waterforpeople.org) provides information about the organization, inspiring stories, blogs, news and publications, what they do and information on how you can become involved as well as provide personal donations. Any questions about Atlantic Canada's involvement with Water For People can be directed to the ACWWA chair for Water For People, Matt Follett at Matthew.Follett@snclavalin.com.

In 2014 Water For People made significant progress towards our vision of a world where all people have access to clean water, adequate sanitation, and basic health services. Water For People is the AWWA designated charity of choice, and is also endorsed by the Water Environment Federation, the Water Quality Association, the National Association of Water Companies, the National Association of Clean Water Agencies, and the Association of Metropolitan Water Agencies. The ACWWA chapter donations totaled more than \$20,000 at the 2014 conference. This came from corporate, individual, associations, and generous utilities. A special thanks goes out to the ABEA (\$7,500), the City of Moncton (\$5,000), Town of New Glasgow (\$2,500) and CBCL Limited (\$1,000). Remaining funds were raised through conference events. In recognition of World Water Day, (March 22nd), the Atlantic Canada Committee of Water For People Canada hosted its 8th annual Well Tapped event on Saturday March 21st at Garrison Brewery, Halifax, NS raising over \$1,000. ACWWA will continue to support the goals of Water For People to bring together local entrepreneurs, civil society, governments, and communities to establish creative, collaborative solutions that allow people to build and maintain their own reliable safe water systems. Empowering everyone transforms people's lives by improving health and economic

productivity to end the cycle of poverty. We are all excited about "Making Waves" at this year's 2015 Annual Conference in St. John's, Newfoundland to raise funds in support of the Everyone Forever Water for People Campaign through the following activities:

Fun Walk/Run

This year's venue is a scenic 3.85 km trail that loops around the Quidi Vidi Lake and will take place from 5-6 pm on October 6, 2015.

50/50 Draws

Tickets will be sold at the Meet and Greet Reception held from 7:30-11:00 pm, October 4th at the Harborview Ballroom.

Table Selection at Down East Feast

We will be auctioning off the first and second tables of the Down East Feast that will get the privilege to experience this year's meal before the rest of the conference attendees.

Silent Auction

If you're looking for unique memorabilia, gift certificates, art, jewelery, electronics or something special for someone be sure to stop by and place your silent bid on a variety of unique auction items that will be on display throughout the conference.

Conference Hotel Information

One of the oldest cities in North America, St. John's, is a uniquely charming and eclectic destination; cradled in a harbour carved from 500-million-year-old rock, the area is rich with history, rife with culture and sprawling with natural beauty.



The conference will be held at the Delta St. John's Hotel & Conference Centre located at 120 New Gower Street, in St. John's, Newfoundland and Labrador.

One of the oldest cities in North America, St. John's, is a uniquely charming and eclectic destination; cradled in a harbour carved from 500-million-year-old rock, the area is rich with history, rife with culture and sprawling with natural beauty. The Delta St. John's is located in the heart of downtown, just steps from the business and entertainment districts. Our hotel's location affords guests easy access to the best local attractions, including world-famous George Street.

Marconi received the first transatlantic wireless signal and Cape Spear, the most easterly point in North America. This St. John's hotel provides the perfect base for getting around the city.

Amenities of the 403 guest rooms include flat screen TV's, complimentary wireless internet access, and complimentary in-room coffee. The hotel offers a fitness centre with heated pool, assorted exercise equipment, squash courts, sauna and whirlpool.

A special conference room rate starting from \$214 plus taxes is in place from September 30 – October 9, 2015. Please reserve your room by August 31, 2015 to receive this rate.



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St. John's is home of two of Canada's national historic sites – Signal Hill, where

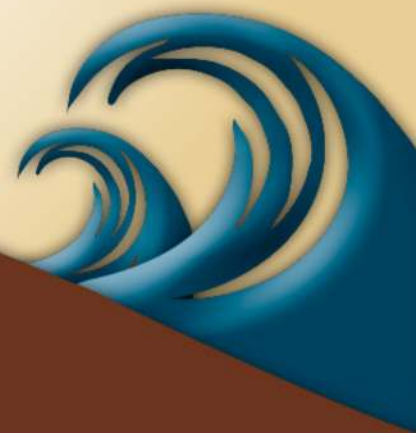
Reserve your room today by calling
1-888-793-3582
or follow the link on the
ACWWA webpage
www.acwwa.ca

Notes

MAKING WAVES

OCTOBER 4 - 6, 2015

DELTA ST. JOHN'S HOTEL AND CONFERENCE CENTRE





ST. JOHN'S

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