



## PROPOSAL FOR "STUDY TRAVEL" BY NON-EXECUTIVE MEMBER

The Remuneration Tribunal has determined that non-Executive members are entitled to financial assistance with travel for the purposes of undertaking studies or investigations of matters related to his or her duties and responsibilities as a Member ("study travel").

Chapter 15 of the Members' Guide sets out procedures for members to access this entitlement that the Standing Committee on Administration and Procedure has endorsed. The process involves:

1. the member completing a "study travel proposal" and lodging that proposal with the Secretariat's Corporate Services Office; and
2. the Corporate Services Office providing advice to the Speaker on the proposal and on the member's available entitlement.

**Members should note that approval to utilise this entitlement cannot be sought retrospectively.**

### **The following information must be provided:**

Brief description of the proposed activity (must include the purpose of the journey/activity and/or details of any conferences to be attended or training to be undertaken):

To attend the Ozwater 11 conference "Water for Health : towards sustainable practices", Australia's National Water Conference and Exhibition to be held in Adelaide from 9 – 11 May 2011 at the Adelaide Convention Centre.

### **Detailed itinerary (including dates and times) of the places to be visited/activity to be undertaken:**

Adelaide in the afternoon of Sunday 8<sup>th</sup> to attend welcome reception, then attend full three days of the conference and return on Thursday 12<sup>th</sup> May.  
Conference registration: \$1570; Airfares: approx \$420; TA (accom plus meals) 360 x 4 = \$1440; Taxi \$80

**Estimated Cost of Activity \$ 3510**

(cost should include fares, travelling allowances, conference fees and other training expenses)

I acknowledge that:

- within eight weeks of completing this activity, I am required to submit a written report detailing the travel undertaken and the costs incurred (including any reimbursement received for nominee accompanied travel); the names and area of responsibility of persons contacted; a summary of business undertaken, and, in relation to any approved training undertaken, a report on that training; and
- details of this proposal and the study travel report will be published on the Assembly's internet site.

Member's Name

Signature

21/4/11

APPROVED / NOT APPROVED

Delete as applicable

Speaker

21/4/11

C/G/K

## REPORTS ON MEMBER'S STUDY TRIPS

A study trip report must be submitted within eight weeks of completing any travel made under the Member's study entitlement. The report, together with the original study travel proposal, will be published on the Assembly's website.

The following format may be used by Members or may act as a guideline for Members in preparing reports.

### STUDY TRIP REPORT

Name: Shane Rattenbury

Purpose of Visit: To attend Ozwater 2011, the annual conference of the Australian Water Association

Places visited and dates of visit: Adelaide 9-11 May 2011. Conference program attached for reference.

Expenses incurred (including any reimbursement received for spouse accompanied travel):

Organisation(s) and individuals visited: Attended the conference. Also took opportunity to meet the General Manager of the Adelaide Convention Centre to discuss tourism and convention related issues.

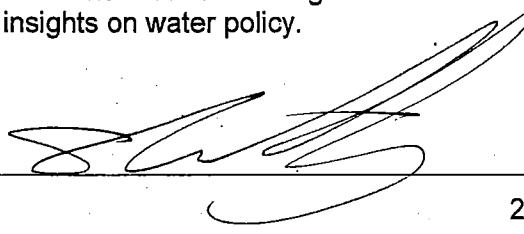
Area of responsibility of persons contacted:

Business undertaken: Attended the conference.

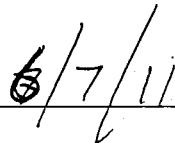
Conclusions and/or recommendations:

I attended a range of sessions on water pricing, water re-use and recycling, the Murray Darling Basin, and urban water reform. I also attended the trade show attached to the conference, and took part in informal discussions with other delegates. These discussions, and the conference papers, provided me with useful insights on water policy.

Signed:



Date:



[ozwater11.com.au](http://ozwater11.com.au)

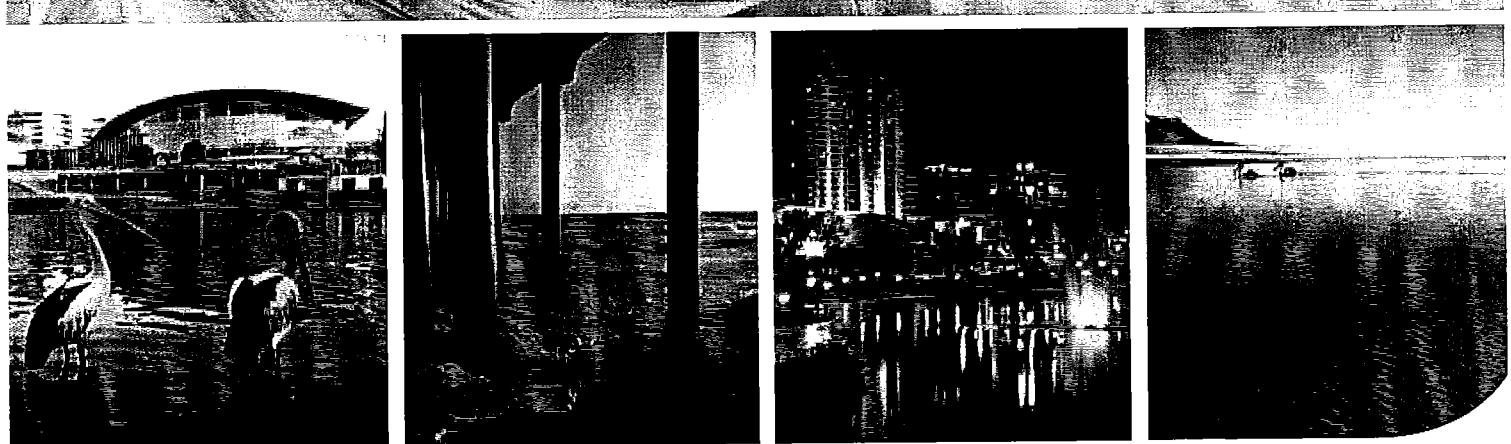
# OZwater'11

09-11 may 2011 • adelaide

"Water for Health: Towards Sustainable Practices"

## REGISTRATION BROCHURE & PRELIMINARY PROGRAM

ADELAIDE CONVENTION CENTRE



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**AWA**  
australian water association

AUSTRALIA'S NATIONAL WATER CONFERENCE AND EXHIBITION



# OZwater'11

09 - 11 May 2011 • Adelaide

Thank you to our  
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## Chairman's WELCOME



**AWA's Chief Executive INVITATION**

**F**or nearly fifty years now, AWA has brought together the latest thinking and the brightest minds in the water sector at its national conference and exhibition. It is no accident that Ozwater has established itself as the pre-eminent water event for water professionals and organisations.

The standing of Ozwater is based on a few simple but critical premises: first, it is run by water professionals and organisations, and for water sector; second, it is about quality and relevance; and finally it is about participation of and exchange between individuals. As always, the agenda in Adelaide in May 2011 will be full. We value the water industry's time and commitment and we want to ensure that every delegate or exhibition visitor is rewarded with value to take away.

The past several years in the water sector in Australia have had a strong focus on management of scarce water resources. We in the industry recognise however that quantity is only part of the equation and water quality management when drinking water or environmental water, must remain a priority. The Ozwater 2011 headline theme – Water for Health: Towards Sustainable Practices – comes at a critical time therefore. It also plays to the strength of our Conference Chair, Prof. Don Bursill, who is renowned the world over for his leadership in water quality.

Don has been supported by a strong team from South Australia and nationally in developing a program that will cover a range of critical issues, not just water quality. The sub-themes for the conference include Management and Structures; Systems; Treatment and Processes; and People. There will also be a Specialist Stream on Research.

Our national experts will be complemented by international keynotes plus speakers drawn from some of our principal global partners. We will have sessions run in conjunction with the International Water Association, American Water Works Association and Water Environment Federation. Naturally, we will again have our partners at WSA conduct their traditionally highly popular stream.

Water professionals are obliged to adopt innovative thinking and new approaches and technologies. Ozwater'11, the largest and best event on Australia's national water calendar, is the place to do just that. I am thrilled with the line-up for Ozwater 2011 and extend my congratulations and thanks in advance to Don and the Adelaide Ozwater Committee. Every one of these people is a volunteer who has committed their time and talent to delivering this event. It has been time well spent, as can be seen by the quality of the program and associated activities.

I look forward to welcoming you to Adelaide for what will be an outstanding event.

**Tom Mullenkopf**  
Chief Executive  
Australian Water Association

**Don Bursill**  
Chair  
Ozwater 2011 Committee

For latest updates, detailed program information and online registration visit [www.ozwater11.com.au](http://www.ozwater11.com.au)

Follow Ozwater on Twitter for immediate up-to-date information before and during the event! [www.twitter.com/ozwater](http://www.twitter.com/ozwater)

<b>OZWATER'11 COMMITTEE</b>	
Don Bursill	Ozwater'11 Chair
Justin Brookes	The University of Adelaide
Corinne Chieseman	Australian Water Association
Mary Ditas	SA Water
Lionel Ho	SA Water
Gaye Newcombe	SA Water
Neil Palmer	National Centre of Excellence in Desalination
Con Pelekani	SA Water
David Perry	Bureau of Meteorology
Clare Porter	Australian Water Association
Angus Simpson	The University of Adelaide
Kevin Yerrell	KBR
David Barnes	Ozwater'12 Chair
<b>OZWATER'11 IS PRESENTED BY</b>	
<b>AWA</b> Australian Water Association	
Australian Water Association PO Box 222 St Leonards NSW 1570 Phone 02 9436 9451 Fax 02 9436 0155 Web: <a href="http://www.awa.asn.au">www.awa.asn.au</a>	
Australian Water Association (AWA) is an independent, not-for-profit association for water professionals and organisations, providing leadership in the water sector through collaboration, advocacy and professional development.	
As Australia's peak water industry body the AWA has the largest and most broadly based membership, with approximately 700 corporate members and 5,000 individual members representing the diversity and breadth of the water industry.	
Formed in 1962, the Association has for decades provided organisations with tools and opportunities to showcase their products and services, support and representation in the water industry and continues to evolve to face the challenges of an ever-changing and dynamic sector.	
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<b>Gentrack</b>	
<b>Conference Proceedings</b>	
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<b>KBR</b>	
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<b>UGL</b>	
<b>Comdain</b>	

## "Water for Health: Towards Sustainable Practices"

Water management and policy issues remain central to all levels of government and the community as we address the challenges of drought, climate change and the increasing demand for water. The availability of adequate water supplies for our future needs seems to be on the minds of many people in the community.

Technology provides us with a broadening range of options and the long heralded goal of integrated water cycle management appears to be closer than ever. Sustainability of our industry and its critical community services remains an important objective but we must always be mindful of the need to keep public health protection at the core of our planning and operations. This not only applies to the basic capability of whatever processes we develop or adopt but we must never forget that our work has to be of the highest reliability over the long term. This balance between sustainability and public health protection will be a key focus of the program for Ozwater'11.

### WHO SHOULD ATTEND?

Ozwater'11 is an event that will be of essential interest to any person with a professional involvement in the water industry. Ozwater'11 will represent all sectors of the industry, integrating ideas and knowledge among people involved in research, regulation, manufacturing, consultancy, management and operations, drinking water, wastewater and stormwater.

Some of the water industry sectors that will have a large involvement at Ozwater'11 include:

- Manufacturers
- Technology and Innovation Organisations
- Industry Suppliers
- Water Utilities
- Consultants
- Contractors
- Non-Government Water Organisations
- Government - Federal, State and Local
- Community Organisations
- Educators
- Researchers and Academics
- Media

### PROGRAM OVERVIEW

The conference program will include several internationally renowned keynote speakers encompassing experiences, challenges and solutions from within Australia and around the world. These presentations will be complemented by over 170 platform papers, workshops and special sessions.

The main conference program will commence with the Opening Ceremony on Monday morning which will be an inspirational and spectacular start to the event. The conference will close with a special Keynote presentation, comments from the Ozwater'11 rapporteur and Best Paper Awards, followed by informal drinks on Wednesday afternoon.

	Sunday 8 May	Monday 9 May	Tuesday 10 May	Wednesday 11 May	Thursday 12 May
Morning					
Afternoon					
Evening	Welcome Reception	AWA New Members Function	AWA New Members Function (optional)		
Registration Opens	YWP Workshop	Lunch Sessions Afternoon Tea Sessions	Lunch Sessions Afternoon Tea Sessions	Lunch Sessions Closing Ceremony followed by Drinks	
Opening Ceremony	YWP Breakfast Morning Tea Sessions	Keynote Session Morning Tea Sessions	Keynote Session Morning Tea Sessions	Post-Conference Technical Tours	

### ELECTRONIC POSTER PROGRAM

Following the success from previous years, the Ozwater'11 program will include sophisticated electronic posters – the next generation of poster presentations.

Electronic posters are webpage documents produced by the authors before the conference. The posters include text, figures and images, just as in traditional paper posters. Electronic posters can be browsed by session and topic, and can be searched using author names and keywords, all in a few seconds, from one computer. Delegates will be able to contact authors via email through the electronic poster system.

Delegates will have the opportunity to meet some of the poster authors in the poster area during lunch breaks. The electronic posters will be included on the USB conference proceedings.

To view the poster listing, visit [www.ozwater11.com.au](http://www.ozwater11.com.au)

### NATIONAL AWARDS PROGRAM

AWA's National Awards Program has been running for almost 50 years and seeks to acknowledge the best the water sector has to offer. Through the Ozwater Conference Program there are a number of opportunities to hear from the Award finalists, including the Undergraduate Water Prize presentations and the specific session that offers the finalists of the Infrastructure Innovation Award and the Program Innovation Award a chance to present on their award submissions.

The following Awards are presented throughout the Ozwater Conference Program, including the Opening Ceremony, the Gala Dinner and the Closing Ceremony:

- AWA Water Professional of the Year, Water Industry Woman of the Year and Young Water Professional of the Year
- AWA Infrastructure Project Innovation Award and Program Innovation Award
- Stockham Junior Water Prize and Undergraduate Water Prize
- Water Industry Safety Excellence Award
- AWA Award for Best Ozwater Platform and Poster Presentation, and Exceptional Service
- AWA Honorary Life Membership and AWA Award for

Further details about AWA's Awards Program can be found at [www.awa.asn.au](http://www.awa.asn.au)

### BOOK EARLY FOR YOUR CHANCE TO WIN A FREE REGISTRATION TO OZWATER'11 IN SYDNEY!

One lucky Ozwater'11 Early Bird delegate will win a free registration to attend Ozwater'11 in Sydney. All Early Bird full delegates will be entered and the draw will take place at the Closing Ceremony. The winner must be present to claim the prize.

### VENUE AND HOST CITY

The conference and exhibition will be held at the Adelaide Convention Centre (ACC). Located on Adelaide's North Terrace, the multi award winning ACC enjoys a global reputation for excellence and is consistently ranked among the world's top convention centres. This reputation is the result of its superior product and world-class facilities, constant maintenance of exceptional standards and the efforts of dedicated and thorough staff ensure the superb conduct of every event held at the Centre.

The Adelaide Convention Centre is leading the nation with its commitment to sustainability and was the first centre in Australia to achieve Green Globes Silver Certification. It is doing everything in its power to make the venue, events and delegates as eco-conscious as possible. The venue operates in the most environmentally responsible ways.

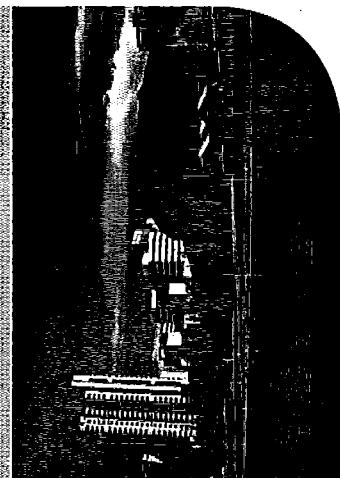
Visit: [www.adelaidecc.com.au](http://www.adelaidecc.com.au)

Adelaide is a city where there's always something on. Adelaide's generous boulevards and elegant architecture provide the perfect backdrop for all sorts of activities. No matter what takes your interest, there's something that will pique your curiosity.

Whether you want to be entertained, get out and party, or just relax, Adelaide has something for you. Shopaholics, wander down Rundle Mall and indulge in some retail therapy. There are more than 800 shops to choose from, so you won't run out of options.

If you want to immerse yourself in South Australia's rich arts and culture, scroll along North Terrace. Adelaide's "cultural boulevard" is home to the Aboriginal Cultural Gallery in the South Australian Museum, Adelaide Botanic Garden and the National Wine Centre. Just around the corner, wander through the fascinating National Aboriginal Cultural Institute, Tandanya. And if you're after a meal or a drink, there are more than 700 restaurants, cafes and pubs to choose from. So, sample the al fresco styles of East Rundle Street, try the seafood and Asian cuisine at Gouger Street and treat yourself to some fine dining at the restaurants and cafes of North Adelaide.

Visit: [www.southaustralia.com](http://www.southaustralia.com)



# OZUOTer'11

09 - 11 May 2011 • Adelaide

Preliminary Program  
Monday 9 May 2011



## Drinking Water and Sanitary Sewage Management

0830 - 1000

## Healthy Management and Structures

0845 - 1215

### Water Business Strategic and Management

Sadiq Zamani, Parsons Brinckerhoff, NSW

**Healthy Systems - Natural and Constructed Leadership in Sustainability**

Tony Phatakay, CSIRO Land and Water, VIC

**Analytical Framework for Assessing the Sustainability of Urban Water Systems**

Detailed Planning for Water and Wastewater Services Using Sustainability Assessment Framework

Ruth Edwards, Barwon Water, VIC

**Integrating Critical Assets for Barwon Water Supply System**

Bruce Abdon, Hunter Water Australia, NSW

**Infrastructure Delivery for Regional Areas**

Shai Neherav, CSIRO Land

**Quantifying Potable Water Supplies of Drinking Taps at City Scale by Considering the Effect of Spatial Clumping**

Peter Robinson, AECOM, UK

**Green Networks: Integrated Urban Infrastructure Security Planning Within a Water Entitlements Framework**

Richard Prmont, Queensland Department of Environment and Resource Management, QLD

**Building the Bullet - Urban Water Security Planning Within a Water Entitlements Framework**

Peter Fisher, Sydney Water, NSW

**Sustainable Water Servicing of Urban Growth in Sydney**

Stuart Khan, NSW Water Research Centre, NSW

**The Case for Direct Potable Water Reuse in Australia**

Shai Neherav, CSIRO Land and

**Coordinating Natural and Constructed Leadership in Sustainability**

Robert Lampert, Water Corporation, WA

**Maximising the Economic Value of Biosolids: Creating Catchment and Water Restoration, Climate Adaptation, and Business Improvement - All at Once!**

Joel Burns, AECOM, VIC

**Growing Pains - The Costs and Benefits of Regional Water Utilities Getting Bigger**

Kate Miles, AECOM, NSW

**Reforming Water - Ensuring Our Regional Water Quality and Security**

Nick O'Connor, Eco Environmental Consulting, VIC

**Case Study in Sustainability - Overcoming the Challenges of Creating Tasmania's Largest Water and Wastewater Utility**

Nike Paine, Southam Water, TAS

**Study in Sustainability - Overcoming the Challenges of Creating Tasmania's Largest Water and Wastewater Utility**

Auret Lubman, City West Water, VIC

**Environmental Implications of Stormwater Characterisation for Non-Direct Potable Use**

Peter Evertz, Water Infrastructure Group, VIC

**Ten Years of Recycled Water Use at Atherton, South Australia**

Julian Birrell, University of New South Wales, NSW

**Assessing Existing and Future Residential Water Conservation Program**

Alex Coe, Marchment Hill Consulting, VIC

**Organisation Structures Aligned to Strategic Asset Management Principles Can Drive Better Outcomes for Water Utilities**

Sean Tucker, GHD, VIC

**CRPI, A Construction Contract Model with a Difference**

John Beaman, Aurecon, VIC

**Allocation Based Operating Picture: Adding Rigor and Analytics to Decision Making Processes**

Mike Burch, Australian Water Quality Centre, SA

**Evaluation of Novel Methods for Control of Cyanobacteria in Reservoirs**

Dinal Hutchinson, MWH, QLD

**Reviewing Scheme Requirements and Feasibility**

Unde Kelly, Barwon Water, VIC

**Assessing Existing and Future Sustainable Delivery of Recycled Water**

James Thomson, Cambio, SA

**Assessment of Chemical Impurities in Reverse Osmosis Systems**

Abbie Boukoula, Lantekit's A.S., Brisbane, QLD

**Exploring the Potential for Monitoring Using Fluorescence Spectroscopy**

Xiaodan Qu, Wang, SA Water, SA

**Recycled and Potable Water Consideration in Managed Lakes During Periods of Drought and Water Supply Shortages**

Peter Devereux, Portside Brinckerhoff, WA

**Increasing Pressure on Water Utilities: Seizing in the Need to Consider Alternative Water Sources and Local Treatment/Vegetal Assets**

Paul Campbell, Aurecon, VIC

**The SMART Water Project - Innovation for Achieving Water Sensitive Cities**

James Watson, Mildura, NSW

**Is Published Water Derived from Treated Effluent a Future Opportunity?**

Julian Birrell, University of New South Wales, NSW

**Low Nitrogen Discharge Limits are No Longer a Challenge**

Sachin Singh, University of New South Wales, NSW

**Low Energy That's Positive in the Hunter Treatment Alliance**

Julian Birrell, Chain Hill, NSW

**The Recycled Water Quality Management (RWQM) Approach - The Gippsland Water Factory (GWF) Experience**

Greame Watkin, Mildura, NSW

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David Nixon, KBR, QLD

**Water Sector Sustainability Framework - Interpreting Sustainability within your Organisation**

Patricia Williams, NSW Water, NSW

**Panel discussion will present case studies of the practical implementation of the Framework, and will provide a forum for discussion on topics related to the framework.**

Julian Birrell, Chain Hill, NSW

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09 - 11 May 2011 • Adelaide

Preliminary Program  
Tuesday 10 May 2011



<b>1045 - 1215</b> <b>Healthy Systems - Natural and Constructed Water Sensitive Cities</b> <p>Sarah Jones, <b>Healthy Waterways, QLD</b> TOTAL WATER CYCLE MANAGEMENT PLANNING IN SEQ</p> <p>Sadeq Zaman, <b>Parsons Brinckerhoff, NSW</b> STRATEGIC AND SUSTAINABLE PLANNING FOR WATER SERVICES - TRANSFORMATION OF MAJOR GREENFIELD SITES INTO URBAN DEVELOPMENT</p> <p>Steven Maitain, <b>AECOM, VIC</b> SOUTH BANK: INTEGRATING SUSTAINABLE UTILITIES WITH URBAN PLANNING</p>	<b>Healthy Treatments and Processes - Water Distribution</b> <p>Daniel Harrel, <b>Salt Water, SA</b> CULTURE-INDEPENDENT MICROBIOLOGICAL APPROACHES TO INVESTIGATE AN UNSTABLE CHLORINATED DRINKING WATER SYSTEM</p> <p>Xiao-Lian (X) Wang, <b>SA Water, SA</b> HAPPY VALLEY SYSTEM EXPANSION - MODELLING AND FIELD TRIALS</p> <p>Darren Rennell, <b>CH2M Hill, NSW</b> MEETING NEW CHALLENGING DISINFECTION REQUIREMENTS - ONTARIO, CANADA</p>	<b>Healthy Treatments and Processes - Water Quality</b> <p>Charlotte Andringa-Bute, <b>Curtin University, WA</b> IMPLEMENTED MONOCHLORAMINE FOR MAINTENANCE OF DISINFECTANT RESIDUALS IN CHLORINATED DRINKING WATER DISTRIBUTION SYSTEMS</p> <p>Veronica Avila, <b>Acqua Agua, SA</b> DISINFECTION SHOCK DOSES AND MEMBRON ULTRA-FILTRATION PERFORMANCE TEST PLOT PLANT</p> <p>Sumant McDonald, <b>City Water Quality Research Centre, WA</b> THE IMPACT OF NATURALLY OCCURRING BROMIDE ON WATER QUALITY</p>	<b>Healthy Treatments and Processes - Water Treatment</b> <p>Sloban Bartram, <b>GHD, QLD</b> VALIDATING PERFORMANCE AT THE GOLD COAST DESALINATION PLANT USING 'SALINITY'</p> <p>Teresa Qu, <b>SA Water, SA</b> COMBINING DBP ISSUES SURROUNDING INSTALLATION OF A LARGE STORAGE ON KANGAROO ISLAND</p> <p>Hugh Goodman, <b>CSIRO, VIC</b> DESALINATION OF CLASS C EFFLUENT ELECTRODIALYSIS REVERSAL (EDR) IN VICTORIA, VICTORIA</p>	<b>Healthy Treatments and Processes - Desalination</b> <p>Chris Sissons, <b>KBR, QLD</b> SEAN LASTEUR, <b>SA Water, SA</b></p> <p>Nicola Sachse, <b>University of Georgia, GEORGIA</b> REALISTIC EVALUATION OF RAINWATER TANK REBATE SCHEMES IN SEQ</p> <p>Andrew Chapman, <b>South East Water, VIC</b> NON RESIDENTIAL WATER DEMAND</p> <p>Red Burton, <b>Water Corporation, WA</b> HOW PRESSURE MANAGEMENT CAN SAVE WATER IN PERTH</p>	<b>Healthy Treatments and Processes - Innovative Treatment Practices</b> <p>Michael Kennedy, <b>GHD, VIC</b> A HOLISTIC APPROACH TO DECONTAMINATION OF CYANOBACTERIA - RICH SLUDGE</p> <p>Brian Cullen, <b>GHD, VIC</b> WHICHAM SPORTS FIELD IRRIGATION WATER SECURITY PLAN</p>	<b>Healthy Treatments and Processes - Desalination</b> <p>Paul De Sa, <b>Sydney Water, NSW</b> MULTI-SCALE URBAN WATER USE MODELLING</p> <p>Brett Mathiesen, <b>Yarra Valley Water, VIC</b> DONCASTER HILL INTEGRATED WATER STRATEGY: A CASE STUDY FOR LEAST COMMUNITY COST SERVICING</p>	<b>Healthy Treatments and Processes - Water Distribution</b> <p>Mark Togni, <b>University of Adelaide, SA</b> PELLET</p>
<b>1330 - 1515</b> <b>Healthy Systems - Natural and Constructed Water Sensitive Cities</b> <p>Mark Togni, <b>University of Adelaide, SA</b> PELLET</p>	<b>Healthy Treatments and Processes - Water Treatment</b> <p>Mark Bennet, <b>Alcom, QLD</b> WATER QUALITY MONITORING OF DISCHARGE PLATEAU SLUDGE OF THE TOOWOOMBA PELLET</p> <p>Bob Evans, <b>SMEC, VIC</b> PANDENONG CREEK WETLAND</p> <p>Matthew Brammer, <b>WorleyParsons, QLD</b> BRINE MANAGEMENT OF COAL SEAM GAS WATER, PURE SALT RECOVERY AND OTHER METHODS</p> <p>Krebs Zic, <b>Reidy Brown &amp; Root, WA</b> WATER HAMMER MODELING AND SHUTDOWN TESTING OF THE DELIVER PIPELINE OF THE LARGE DESALINATION PLANT SYDNEY DESALINATION PLANT EXPERIENCE</p> <p>Matthew Bloomfield, <b>Hunter Water, Australia, NSW</b> SIPHON OPERATION AT A 100 MLD MEMBRANE WTP</p>	<b>Healthy Treatments and Processes - Water Quality</b> <p>Neil Doh, <b>Vicoda University, VIC</b> MEMBRAN DISTILLATION OF INDUSTRIAL DISTILLATION</p> <p>Paul De Sa, <b>Sydney Water, NSW</b> MODEL SKELTONATION THROUGH WATER QUALITY ANALYSIS</p> <p>Mark Togni, <b>University of Adelaide, SA</b> PELLET</p>	<b>Healthy Treatments and Processes - Desalination</b> <p>Mark Bennet, <b>Alcom, QLD</b> WATER QUALITY MONITORING OF DISCHARGE PLATEAU SLUDGE OF THE TOOWOOMBA PELLET</p> <p>Bob Evans, <b>SMEC, VIC</b> PANDENONG CREEK WETLAND</p> <p>Matthew Brammer, <b>WorleyParsons, QLD</b> BRINE MANAGEMENT OF COAL SEAM GAS WATER, PURE SALT RECOVERY AND OTHER METHODS</p> <p>Krebs Zic, <b>Reidy Brown &amp; Root, WA</b> WATER HAMMER MODELING AND SHUTDOWN TESTING OF THE DELIVER PIPELINE OF THE LARGE DESALINATION PLANT SYDNEY DESALINATION PLANT EXPERIENCE</p> <p>Matthew Bloomfield, <b>Hunter Water, Australia, NSW</b> SIPHON OPERATION AT A 100 MLD MEMBRANE WTP</p>	<b>Healthy Treatments and Processes - Desalination</b> <p>Mark Togni, <b>University of Adelaide, SA</b> PELLET</p>	<b>Healthy Treatments and Processes - Water Distribution</b> <p>Mark Togni, <b>University of Adelaide, SA</b> PELLET</p>	<b>Healthy Treatments and Processes - Water Treatment</b> <p>Mark Bennet, <b>Alcom, QLD</b> WATER QUALITY MONITORING OF DISCHARGE PLATEAU SLUDGE OF THE TOOWOOMBA PELLET</p> <p>Bob Evans, <b>SMEC, VIC</b> PANDENONG CREEK WETLAND</p> <p>Matthew Brammer, <b>WorleyParsons, QLD</b> BRINE MANAGEMENT OF COAL SEAM GAS WATER, PURE SALT RECOVERY AND OTHER METHODS</p> <p>Krebs Zic, <b>Reidy Brown &amp; Root, WA</b> WATER HAMMER MODELING AND SHUTDOWN TESTING OF THE DELIVER PIPELINE OF THE LARGE DESALINATION PLANT SYDNEY DESALINATION PLANT EXPERIENCE</p> <p>Matthew Bloomfield, <b>Hunter Water, Australia, NSW</b> SIPHON OPERATION AT A 100 MLD MEMBRANE WTP</p>	<b>Healthy Treatments and Processes - Desalination</b> <p>Mark Togni, <b>University of Adelaide, SA</b> PELLET</p>
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Preliminary Program  
**Wednesday 11 May 2011**



Please note the program printed in this brochure is preliminary and subject to change without notice. Refer to the [Oxwater11](http://www.oxwater11.com) website, [www.oxwater11.com](http://www.oxwater11.com) for program updates. Extended abstracts for the presentations shown on this program can also be viewed on the [Oxwater11](http://www.oxwater11.com) website.

## Keynote Speakers

### Dr Nick Ashbolt

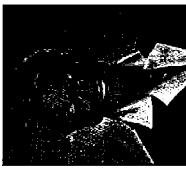
Title: 42 - Senior Research Microbiologist, U. S. Environmental Protection Agency, USA

Dr Nicholas J. Ashbolt received his A.G.Sc. (Hons) in 1978 and his Ph.D. in 1985 from the University of Tasmania, Australia. He joined the U.S. EPA as the Title 42 Senior Research Microbiologist in January 2007 and previously was Head of the School of Civil and Environmental Engineering at the University of New South Wales (UNSW) Sydney. Dr Ashbolt has 30 years of experience in environmental microbiology, with a focus on the fate and transport of environmental pathogens. Over the last 12 years he has worked in joint Australian-Swedish and European programs developing methods to interpret pathogen data with the aid of quantitative microbial risk assessment (QMRA) within an urban water sustainability framework. This work has contributed to the risk-based approach adopted in the recently published WHO recreational, drinking and reuse water guidelines.

Dr Ashbolt's research at EPA is focused on water distribution system risks from fecal and indigenous pathogens and the broader interpretation of research gaps though the development of new or revised water criteria and guidance.

This latter research is aiding EPA's development of new or revised water criteria and guidance. Dr Ashbolt has published one book, 27 book chapters, 110 journal papers and over 100 conference proceedings since he joined UNSW in 1994.

**Patricia Mulroy**  
General Manager, Las Vegas Valley Water District Southern Nevada Water Authority.  
USA



Pat Mulroy oversees the operations of the Las Vegas Valley Water District, which serves more than 340,000 customers, and the Southern Nevada Water Authority, which is responsible for acquiring, treating and delivering water to local agencies that collectively serve 2 million residents and nearly 40 million annual visitors. Ms Mulroy joined the Authority, which has served as its General Manager in 1988. She was a principal architect of the Authority, which has served as a model for other Western water agencies since its creation in 1994. As General Manager of one of the country's most progressive water agencies, Ms Mulroy is exceptionally active in regional and national water issues. She currently serves on the Board of Directors of the Association of Metropolitan Water Agencies and the National Water Resources Association, and on the Board of Trustees of the Water Research Foundation. Additionally, she was the original Chairperson of the Western Urban Water Coalition and served on the Colorado River Water Users Association's Board of Directors.

A resident of Southern Nevada for more than three decades, Ms Mulroy is equally active in the community and has won a selection of local honours and awards.

**Prof Graeme Hugo**  
ARC Australian Professorial Fellow and Professor of Geography, The University of Adelaide,  
AUSTRALIA



Prof Hugo is Professor of the Department of Geographical and Environmental Studies and Director of the National Centre for Social Applications of Geographical Information Systems at the University of Adelaide. He completed his PhD in demography at the Australian National University in 1975 and subsequently took up an appointment at Flinders University in South Australia moving to the University of Adelaide in 1992.

Prof Hugo has held visiting positions at several prestigious international universities and has worked with a number of international organisations, as well as many Australian government departments and instrumentalities. He is the author of over three hundred books, articles in scholarly journals and chapters in books, as well as a large number of conference papers and reports.

Prof Hugo is considered one of the world's top three in his field and is helping Australian's see 'over the horizon' with his work providing valuable insights into trends in the Australian and Asian populations.

**Dr Rob Vertesey**

Deputy Director (Climate & Water), Bureau of Meteorology, AUSTRALIA  
Dr Vertesey was awarded a PhD in fluvial geomorphology from the Australian National University in 1990 and spent the first 20 years of his career as a researcher in CSIRO, specialising in catchment hydrology. Dr Vertesey served as Chief Executive of the CRC for Catchment Hydrology (2002-2004) and Chief of CSIRO Land and Water (2004-2007). In late 2006, he was seconded to the Department of Prime Minister and Cabinet to advise on the establishment of a national water information strategy. In mid 2007, Dr Vertesey joined the Australian Bureau of Meteorology as Deputy Director (Water), to establish a new water information Division, arising out of the Australian Government's Water for the Future program.

**Dr Steve Hrudey**  
Professor Emeritus, Department of Laboratory Medicine and Pathology, University of Alberta.  
CANADA



Dr Hrudey is currently Professor Emeritus in the Environmental and Analytical Toxicology Division of the Faculty

of Medicine and Dentistry at the University of Alberta. His areas of expertise include drinking water safety, environmental contaminant exposure assessment, approaches for health risk assessment, risk management and risk communication.

Dr Hrudey has served on several expert panels including the Research Advisory Panel to the Walkerton Inquiry. He is currently chairing an Expert Panel on environmental and public health impacts of Canada's oil sands industry for the Royal Society of Canada and is serving on an expert panel advising the U.S. Army Corps of Engineers on the drinking water supply for Washington, D.C.

Dr Hrudey has authored or co-authored over 150 refereed journal articles, 5 books, 12 book chapters, 14 expert panel reports, and over 100 other publications in the environmental sciences. He was elected a Fellow of the International Water Association in 2010, a Fellow of the Society for Risk Analysis in 2007 and a Fellow of the Academy of Sciences, Royal Society of Canada in 2006.

**Kelly Nestor**



Kelly Nestor is a broadcast presenter, producer, trainer and a well recognised resident of Adelaide. In 20 years of communications experience, Kelly has presented for Channel 9's South Australian audience co-hosting the TV '7.30 Report', and presented television and radio news to ABC-TV, including 'The 7.30 Report', and presented branched and covered a number of high profile news stories including the inauguration of President Barack Obama (from Washington DC), the Asian tsunami disaster, the 9/11 attacks and the 2004 Athens Olympics. Growing up in the Outback town of Broken Hill, Kelly was taught to play straight, be brave and keep smiling – all qualities which have earned her the trust of millions of Australians to deliver their news, host their events and help get to the heart of their issues.

Kelly is well respected for her tireless work with not-for-profit organisations and was entered into the Who's Who of Australian Women in 2009.

## Workshops

### 1600 - 1730 WATER SECTOR SUSTAINABILITY FRAMEWORK – INTEGRATING SUSTAINABILITY WITHIN YOUR ORGANISATION

PRESENTED BY AWA'S SUSTAINABILITY SPECIALIST NETWORK

This workshop will launch the Water Sector Sustainability Framework (WSSF), developed by the AWA Sustainability Specialist Network on behalf of the Australian Water Sector and present case studies by organisations that have piloted the Framework. Those that should attend include senior management, sustainability practitioners, and those wanting to promote sustainability in their organisation.

**MONDAY 9 MAY 2011**

### 1045 - 1215 EMERGING TRENDS AND ISSUES IN DECENTRALISED WATER AND WASTEWATER SYSTEMS

PRESENTED BY AWA'S SMALL WATER AND WASTEWATER SYSTEMS SPECIALIST NETWORK

Over the past 100 years, the water industry has moved towards centralisation in order to achieve economies of scale in infrastructure development / operation and the required public health objectives. Decentralised systems were often seen as temporary solutions until the centralised system became available.

Today the role of decentralised systems is changing due to:

- Increasing pressure on water supplies resulting in the need to consider alternate water sources and local treatment / local reuse
- Increasing environmental and health requirements resulting in the need to improve water quality
- Increasing regulation around the operation of decentralised systems
- Increasing costs of centralisation associated with urban sprawl
- Increasing loads on existing infrastructure through inflow development

This workshop will be based on three to four presentations followed by a panel discussion. The focus of the workshop is the emerging trends and issues in decentralised water and wastewater systems. Case studies will be used to highlight each of the above trends / issues and act as a catalyst for broad group discussion.

**Facilitator: Peter Develerer, Parsons Brinckerhoff**

### 1315 - 1515 IRRIGATION IN THE HUMAN AND BIOPHYSICAL LANDSCAPE – STRIKING THE BALANCE BETWEEN FOOD AND FIBRE PRODUCTION AND THE ENVIRONMENT

PRESENTED BY AWA'S WATER RECYCLING SPECIALIST NETWORK

Managed Aquifer Recharge can be used to produce sustainable, reliable, safe and low cost drinking water supplies where aquifers are suitable. This session is aimed at informing investors and operators of water supply projects of the potential for MAR to be the most efficient form of new drinking water supply. Investment in demonstration projects and capability building in suitable areas can have very significant benefits in both developing and developed countries.

**Facilitator: Peter Dillon, CSIRO**

## Technical Tours

### 1600 - 1730 WATER SECTOR SUSTAINABILITY FRAMEWORK – INTEGRATING SUSTAINABILITY WITHIN YOUR ORGANISATION

PRESENTED BY AWA'S SUSTAINABILITY SPECIALIST NETWORK

This workshop will launch the Water Sector Sustainability Framework (WSSF), developed by the AWA Sustainability Specialist Network on behalf of the Australian Water Sector and present case studies by organisations that have piloted the Framework. Those that should attend include senior management, sustainability practitioners, and those wanting to promote sustainability in their organisation.

The workshop will outline the commitment and benefits of becoming a signatory to the Framework.

The panel discussion will present case studies of the practical implementation of the Framework and will provide attendees with an appreciation of the benefits observed by pilot organisations and put this in the context of their own organisation.

**Facilitator: David Nixon, KBR**

### TUESDAY 10 MAY 2011

### 1045 - 1215 LATEST TRENDS IN ASSET MANAGEMENT

PRESENTED BY AWA'S ASSET MANAGEMENT SPECIALIST NETWORK

The workshop objective will be to provide a forum for discussion and development on current trends in the field of asset management with a particular focus on the proposed development of an international standard in asset management.

The intended audience will be all those involved in asset management from practitioners at the interface to senior (strategic) managers. Learning objectives will be to:

- Engage the AM community on the subject of the proposed International Standards in asset management
- Raise the level of awareness among asset management practitioners of current trends in the industry domestically and worldwide
- Identify opportunities for the Asset Management Specialist Network to develop projects to meet the needs of AWA members

**Facilitator: Chris Adam, Ramafin**

### 1315 - 1515 MANAGED AQUIFER RECHARGE FOR SAFE LOW COST DRINKING WATER SUPPLIES

PRESENTED BY AWA'S WATER RECYCLING SPECIALIST NETWORK

Managed Aquifer Recharge can be used to produce sustainable, reliable, safe and low cost drinking water supplies where aquifers are suitable. This session is aimed at informing investors and operators of water supply projects of the potential for MAR to be the most efficient form of new drinking water supply. Investment in demonstration projects and capability building in suitable areas can have very significant benefits in both developing and developed countries.

**Facilitator: Peter Dillon, CSIRO**

There will be presentations on the status of irrigated agriculture, environmental considerations, and the policy settings which will then be workshoped to determine whether we are heading in the right direction and what more needs to be done.

The intended audience are those interested in the balance between irrigated agriculture, policy, science and the environment.

**Facilitator: David Barnes, SKM**

### 1600 - 1730 TRAINING AND SKILLS DEVELOPMENT OF OPERATIONS STAFF - WHAT WORKS, WHAT DOESN'T!

PRESENTED BY AWA'S OPERATIONS SPECIALIST NETWORK

Training and skills development for Operations staff was a subject that raised a lot of passion at the recent National Operations Conference. There is a great deal of activity in the industry however there is no clear landscape that entities, managers and individuals can tap into. There still appears to be a lot to learn and co-ordinate if the industry is to meet the challenges in the coming years. The intent will be to get speakers from the states and industry sectors, including the various federal training bodies and various task forces, to give their perspective on the issue. The objective of the workshop will be to build a clearer picture of the current activity, further initiatives and how these might all be brought together.

**Facilitator: Cheryl Marvel, Sydney Water**

### WEDNESDAY 11 MAY 2011

### 1045 - 1730 (FULL DAY WORKSHOP) DISINFECTION BY-PRODUCTS – RELEVANCE TO HUMAN HEALTH IN 2011

Disinfection by-products (DBPs) in the form of trihalomethanes (THMs) were first identified in drinking water in 1974 and chloroform, the main THM, was identified as a carcinogen in 1976. Now, 35 years later, following billions of dollars of research and investment in monitoring and process changes, it is timely to take stock of what we know, how certain that knowledge is and what is a prudent course of action for the future. This workshop will focus on the larger issues concerning what is the evidence for health effects arising from regulated DBPs, what are uncertainties associated with such evidence, what new and recent discoveries about DBP formation contribute to our understanding of these issues, and what is a sensible approach for health regulators and the water industry as we move forward. A select group of United Australian and international experts will provide a timely and practical update on the key issues.

**Facilitator: Steve Hrudey, University of Alberta**

Optional technical tours have been selected to complement the Ozwater '11 sessions and workshops. They will take you to some of the world's most innovative and interesting water, wastewater and conservation technologies. Experienced professionals will be on site to answer your specific questions.

Comfortable clothing is recommended for all tours and enclosed footwear is essential. Tours 1 and 2 require delegates to wear long sleeves and pants and all tours require delegates to wear sturdy closed shoes. The Organiser reserves the right to cancel any tour if deemed necessary and issue refunds as appropriate.

Technical tours are available to Ozwater delegates only.

**THURSDAY 12 MAY 2011**

The South Australian Government is building a seawater desalination plant to help secure Adelaide's drinking water supply. The plant will:

- Be independent of rainfall
- Ensure community confidence in supply
- Provide a high standard of environmental performance
- Allow expandability of the plant

The \$1.8 billion plant will deliver up to 300 million litres of water each day - or about 100 billion litres per annum - using reverse osmosis technology. The plant will incorporate intake and outlet pipelines to draw raw seawater into the facility and return discharge concentrate to the Gulf. An important part of the Adelaide Desalination Project is the construction of a pipeline to transfer desalinated water to the existing supply network, via Happy Valley.

The tour will include a presentation in the visitor's centre, a mini-van ride through the pump station and access to the viewing platform.

**Delegates are required to wear long sleeves and pants. Safety boats will be provided for delegates who cannot supply their own.**

**SCHEDULE**

The coach will depart Adelaide Convention Centre (ACC) at 0930. Delegates will arrive at the plant at approximately 1025 to commence a 2 hour site tour. A light lunch will be served immediately following the tour. Estimated arrival time at Adelaide Airport is 1345. The coach will then continue to ACC, arriving at approximately 1415.



## TOUR 2: CHRISTIES BEACH WASTEWATER TREATMENT PLANT

0930 - 1530

Limited to 50 delegates

The Christies Beach Wastewater Treatment Plant in the southern suburbs of Adelaide receives and treats wastewater from the surrounding communities and industry, including the wine growing region of McLaren Vale.

The \$270m Christies Beach Upgrade Project (CBUP) will increase the treatment capacity of the plant from 30 MLD to 45 MLD through the construction of a new inlet works and secondary treatment process train. It also encompasses augmentation works to power supply and on-site power generation; effluent disinfection and outfall capacity; and site sludge dewatering and biosolids handling for reuse. This tour will inspect the progress of the pre-commissioning works of the 57ML/d peak capacity, MBR process train and UV disinfection as well as the commissioned and operating Inlet Works and centrifuge sludge dewatering facility. Due to the proximity of residential areas the project has extensive odour and noise abatement measures and in particular the tour will see the odour control facilities at the new Inlet Works and Sludge Dewatering Facility.

**Delegates are required to wear long sleeves and pants and sturdy closed-in shoes.**

### SCHEDULE

The coach will depart Adelaide Convention Centre (ACC) at 0930. Delegates will arrive at the plant at approximately 1030 to commence a 2 hour site tour. The tour will conclude with a light lunch at a local winery or beachside cafe. Estimated arrival time at Adelaide Airport is 1500. The coach will then continue to ACC, arriving at approximately 1530.



## TOUR 3: COOPERS BREWERY AND CITY OF SALISBURY

0930 - 1420

Limited to 50 delegates

**Coopers Brewery:** In early 2001, Osmiofil was commissioned to design, build and operate a new reverse osmosis plant at Coopers Brewery to reduce the TDS of 3-4000 mg/L contained in the springwater used for all production and process applications to 70 mg/L. Nearly all of Coopers' water requirements originate from aquifers beneath the brewery, reducing the demands on Adelaide's reticulated water supply. This underground water is clean but saline, and is purified to ensure they do not affect the long-term viability of the aquifers.

Water from the reverse osmosis plant is mixed with bore water to irrigate the high salt tolerant lawns around the brewery. **City of Salisbury:** The City of Salisbury is committed to an ongoing strategy of sustainability, of which water conservation and management plays a critical part. In recent years, water supply in South Australia has declined dramatically and after decades of mismanagement, the River Murray, from which South Australia takes half of its water supply, is proving to be an unreliable source. South Australia is currently facing the worst drought in 177 years and there is emerging evidence that climate change may be having a lasting effect on the supply of water into the system.

The City of Salisbury is widely renowned for best practice in water conservation and management. Salisbury's innovative water solutions include management of Australia's first truly integrated water management via flood control, wetland systems and aquifers through filtration and reticulation, stormwater harvesting, reclaimed water scheme, reWater and water commercialisation.

The tour will commence at Coopers Brewery where delegates will view the reverse osmosis plant. Delegates will be given the opportunity to sample a Coopers beer to experience what great beer making and great water can produce. It will continue to the City of Salisbury where a light lunch will be served. Delegates will then be shown the multiple operational sites including pumpstations and Aquifer Storage and Recovery wellsites. It will end with a walking tour of wetland trials and boardwalk.

**Delegates are required to wear long sturdy closed-in shoes.**

### SCHEDULE

The coach will depart Adelaide Convention Centre (ACC) at 0930. Delegates will arrive at Coopers Brewery reverse osmosis plant at approximately 1000 to commence a 1 ½ hour site tour. The tour will then continue to the City of Salisbury for a light lunch and 1 hour site visit. The coach will depart City of Salisbury at approximately 1330 and arrive at ACC at 1400. Estimated arrival time at Adelaide Airport is 1420.

**The cost to attend a technical tour is \$95 for AWA members and \$115 for non members.**

**The cost includes return coach transfers from ACC and a light lunch.**

Technical tours are available to Ozwater delegates only.

Please note times shown above are approximate. If booking flights at the conclusion of the technical tour allow extra time in case of unexpected delays.

## Young Water Professionals Program

**WORKSHOP: SUNDAY 8 MAY, 1300 - 1700**  
**BREAKFAST: TUESDAY 10 MAY, 0700 - 0815**

**Sponsored by: SKM**

AWA's Young Water Professionals (YWP) invite young and new employees to the water sector to attend the AWA YWP Program at Ozwater'11. The YWP network aims to represent, service, engage and inspire young professionals in the water sector. The YWP Network creates opportunities for young professionals under the age of approximately 35 years, those with up to 10 years water sector experience across all disciplines (regardless of credentials) and those 'young at heart' to come together, network and learn about some of the exciting developments occurring in the water and environmental sector. The Ozwater'11 YWP Program will consist of:

- A workshop on Sunday 8 May (1300 - 1700)
- Breakfast session on Tuesday 10 May (0700 - 0815)
- Both sessions will be held at the Adelaide Convention Centre.

### WORKSHOP: WATER QUALITY AND DISASTER MANAGEMENT

**Safe drinking water and sanitation are vital for human population health. However, when water and wastewater infrastructure is designed and installed, extreme weather events are not always considered. With the number of extreme weather events predicted to increase due to climate change, the consideration of these events and their potential impacts on water quality is critical, both before and after a disaster event.**

The aim of this workshop is to provide YWPs with an introduction to water quality and issues that arise during natural disasters. The workshop will include a number of technical presentations and interactive group activity. Speakers will include national and international experts in water quality and disasters relief. The group activity will provide YWPs with an opportunity to work within a team environment to solve the water quality issues from a hypothetical disaster scenario. Each group will consist of members from a broad skill set to solve these multi disciplinary problems. The panel of experts will provide constructive feedback on the potential solutions.

### REGISTRATION INCLUSIONS

Full Package – Workshop and Breakfast	Workshop Only	Breakfast Only
• Workshop attendance Sunday 8 May, 1300 - 1700	• Workshop attendance Sunday 8 May, 1300 - 1700	• Breakfast session attendance
• Light lunch (Sunday)	• Light lunch (Sunday)	Tuesday 10 May, 0700 - 0815
• Tea and coffee break (Sunday)	• Tea and coffee break (Sunday)	• Breakfast (Tuesday)
• Breakfast session attendance	• Program handouts	• Program handouts
Tuesday 10 May, 0700 - 0815	• Program handouts	• Admission to the Ozwater'11 Opening Ceremony, Monday 9 May, 0830 - 1000
• Breakfast (Tuesday)	• Admission to the Ozwater'11 Opening Ceremony, Monday 9 May, 0830 - 1000	• Admission to the Ozwater'11 Trade Exhibition
• Program handouts	• Admission to the Ozwater'11 Opening Ceremony, Monday 9 May, 0830 - 1000	• Admission to Closing Session and Drinks, Wednesday 11 May, 1515 - 1630
• Admission to the Ozwater'11 Trade Exhibition	• Admission to the Ozwater'11 Trade Exhibition	Wednesday 11 May, 1515 - 1630
• Admission to Closing Session and Drinks, Wednesday 11 May, 1515 - 1630		

Registrants are generally 35 years or under. To become an AWA member, visit [www.awa.org.au](http://www.awa.org.au).

Registrants for the YWP Program may also register to attend the full Ozwater'11 conference. In that case, the normal delegate conference registration applies. See pages 18 and 19 for further information.



## Registration Information

### METHOD OF PAYMENT

Payment of fees must accompany all registration forms. Registrations will not be confirmed until payment is received. Payment can be made by the following methods:

1. Credit Card - Visa, MasterCard and American Express.
- Diners Club is not accepted.
2. Personal or Company cheque (Australian delegates only)
- made payable to Ozaccomm Pty Ltd.
3. International Bank Draft drawn on an Australian bank and branch.

### REGISTRATION FEES

	Early Bird Rate: Until Friday 11 March 2011 (AEDST)	Standard Rate: Saturday 12 March 2011 - Friday 29 April 2011 (AEST)	Onsite Rate: After Friday 29 April 2011 (AEST)
<b>Full Registrations</b>			
AVA Member	\$1,240	\$1,390	\$1,690
Non-Member	\$1,420	\$1,570	\$1,870
Presenter - AVA Member	\$1,390	N/A	N/A
Presenter - Non-Member	\$1,370	N/A	N/A
Retired AVA Member	\$620	\$695	\$845
Full Time Student - AVA Member	\$620	\$695	\$845
Full Time Student - Non-Member	\$710	\$785	\$935
<b>Day Registrations (per day)</b>			
AVA Member	\$685	\$835	\$1,200 - 1900
Non-Member	\$780	\$930	0700 - 1730
Presenter - AVA Member	N/A	N/A	0730 - 1730
Presenter - Non-Member	N/A	N/A	0800 - 1500
<b>Young Water Professionals Program</b> (see page 17 for inclusions)			
Full Package - AVA VIP Member	N/A	\$150	\$200
Full Package - Non-Member	N/A	\$230	\$280
One Session - AVA VIP Member	N/A	\$80	\$105
One Session - Non-Member	N/A	\$120	\$145

To attend Ozwater'11, register online at [www.ozwater11.com.au](http://www.ozwater11.com.au) or complete the registration form within this brochure and return it to The Ozaccomm Group (official Ozwater'11 registration services provider). A separate form is required for each delegate.

**Earlybird registration closes on Friday 11 March 2011.** All fees are quoted in Australian dollars (AUD) and are inclusive of 10% GST. Pre-registration will close midday, Thursday 5 May 2011 (AEST\*). Registrations after this date must be made onsite at the Adelaide Convention Centre.

### Australian Eastern Standard Time

\*Australian Eastern Standard Time

### Transport

#### AIR TRAVEL

Ozwinges (a division of The Ozaccomm Group) has been appointed to assist delegates with their travel needs. Ozwinges is able to assist you with Domestic and International travel. Please note that all prices are subject to availability at the time of booking and conditions apply.

As Ozwinges is also a licensed travel agent, please contact their office for all your travel requirements including alternate airlines and current promotional fares. Please quote Ozwater'11 when making your booking. Travel Management fees apply.

Ozwinges can be contacted by email: [ozaccomm@ozaccomm.com.au](mailto:ozaccomm@ozaccomm.com.au) or phone: +61 8 814 611 (toll free within Australia) or +61 7 3854 1611.

#### AIRPORT TRANSFERS

Taxis

Ozwinges (a division of The Ozaccomm Group) has been appointed to assist delegates with their travel needs. Ozwinges is able to assist you with Domestic and International travel. Please note that all prices are subject to availability at the time of booking and conditions apply.

As a general guide, a taxi fare from Adelaide Airport to ACC and North Terrace accommodation is approximately \$15.

#### Public Transport

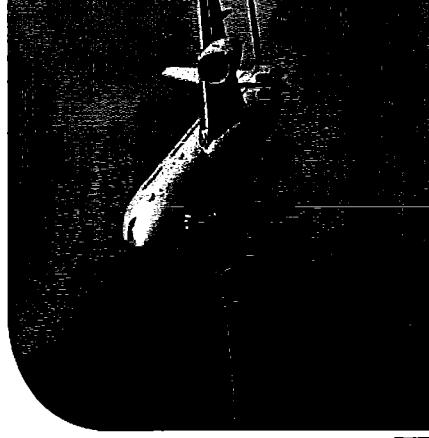
A public transport bus service is also available via Adelaide City through to the north/eastern suburbs, with connections to rail and other bus routes. Visit [www.adelaidemetro.com.au](http://www.adelaidemetro.com.au).

#### Airport Shuttle

Skylink Airport Shuttle specialises in providing a regular scheduled bus service between Adelaide Airport, Keswick Interstate Railway Terminal and the Adelaide CBD with set-down and pick-up from most major city hotels. It operates every day of the year except Christmas Day. For further information, visit [www.skylinkadelaide.com](http://www.skylinkadelaide.com).

#### PARKING

ACC operates both the Riverbank and North Terrace car parks, which are open 24 hours per day, 7 days a week. The car parks are situated under the Convention Centre (Riverbank) and beneath the Exhibition Hall. In total, 1200 spaces are available and provide easy access to the Adelaide Convention Centre. For current rates, download the ACC car park brochure: [www.adelaidecc.com.au/uploads/access\\_carpark.pdf](http://www.adelaidecc.com.au/uploads/access_carpark.pdf)



### REGISTRATION INCLUSIONS

#### Full Registrations

- Attendance at conference sessions and trade exhibition (Monday 9 May – Wednesday 11 May)
  - Satchel including program, abstracts, USB containing full papers and list of participants
  - Morning tea and lunch (Monday – Wednesday)
  - Afternoon tea (Monday – Tuesday)
  - Closing drinks (Wednesday)
  - Welcome Reception (Sunday 8 May) – Limited to the first 650 Registrations – Not available for Onsite Registrations
1. AVA Member rates apply to Individual Members or one employee of a Corporate Member. To become an AVA Member, phone +61 2 9436 0055 or visit [www.ava.asn.au](http://www.ava.asn.au).
2. Registrations for Full Time Students must be accompanied with a photocopy of a student card and a letter from the university/college declaring full time student status.
3. AVA VIP Member rates apply to Individual VIP Members only.

- N.B.
- 1) Welcome Reception is NOT included in the Onsite Rate.
  - 2) Gala Dinner is NOT included in the registration fee – tickets must be purchased separately. The registration fee has been reduced to reflect this.



## Accommodation

**STAMFORD PLAZA ADELAIDE** ★★★★★ [self rated]  
 150 North Terrace - 5 minute walk to ACC.  
 Run of House \$195.00  
 Stamford Plaza Adelaide has 19 guest floors, many of which overlook Adelaide's beautiful churches and parlours. The hotel features three restaurants and two bars with regular live entertainment. Also available is 24 hour in-room dining. Recreational facilities include a rooftop heated swimming pool, spa, sauna and gymnasium as well as a gaming lounge and nightclub.

All accommodation rates are listed in Australian dollars, include 10% GST and are valid for the conference only if booked through Ozaccomm. Rates do not include breakfast. Rates and all information are current at time of printing and are subject to change without prior notification. Further information on accommodation options can be viewed on the Ozwater II website.

Conference Rate cancellations made within 14 days prior to arrival will incur a penalty. It is at the hotel's discretion as to cancellation penalty charged and may range from one night's accommodation up to the total cost of stay booked. Bookings made after 9 April 2011 may be subject to further terms and conditions.

**Best Available Daily Rates:** Ozaccomm also has access to each hotel's best available daily rate which may sometimes be lower than the advertised conference rate. These rates are subject to terms and conditions supplied by the hotel. To check the best available rates, visit the accommodation page on the Ozwater II website.

The booking form within this brochure or for further information phone Ozaccomm on +61 7 3851 1611, or by using the booking form online at [www.ozwaterii.com.au](http://www.ozwaterii.com.au).

**INTERCONTINENTAL ADELAIDE** ★★★★★  
 141 North Terrace - adjacent to ACC.  
 Superior King \$220.00  
 Riverview King \$245.00

InterContinental Adelaide is exclusively positioned on the River Torrens, adjacent to the Adelaide Convention Centre, Casino and Festival Centre. Its 367 spacious guest rooms and suites are well equipped and feature expansive views of historic and cultural Adelaide. Club InterContinental Guest rooms are situated on higher floors and feature superior amenities and exclusive access to the Club Lounge.

**SEBEL PLAYFORD** ★★★★★  
 120 North Terrace - opposite ACC.  
 Playford Guestroom \$195.00  
 Deluxe Guestroom \$229.00

The boutique style Sebel Playford Adelaide offers the perfect blend of classical style and contemporary luxury. The hotel has created a stunning Art Nouveau ambience, with beautifully appointed guestrooms and suites, luxurious amenities and exquisite cuisine.

For further information and images on these accommodation options, view the accommodation page on the Ozwater II website.

## Pre and Post Social Tours

**KANGAROO ISLAND: 2 DAY/ 1 NIGHT COAST TO COAST TOUR**  
**Price: From \$433 per adult twin share**  
 Includes: return coach and ferry transport to Penneshaw; visit to Emu Ridge Eucalyptus Distillery; Birds of Prey free-flight show; Seal Bay Guided tour; Pandana Wildlife Park entry; Island Pure Sheep Dairy; Clifford's Honey Farm; Kelly Hill Caves; Flinders Chase National Park; Remarkable Rocks; Admirals Arch; 2-course lunch on both days and overnight accommodation of your choice.

## TEMPTATION SAILING

**Price: \$58 per adult (to watch), \$98 per adult (to swim)**  
 Enjoy a 3 1/2 hour tour to watch or swim with dolphins in the calm waters off Adelaide's closest beaches on a 58' sailing catamaran with experienced guide.  
 These are only a sample of what there is to do and see in South Australia.  
 Call us on 1300 655 276, visit us at [www.southaustralia.com](http://www.southaustralia.com) or email [information@bookings@southaustralia.com](mailto:information@bookings@southaustralia.com) so we can plan your South Australian holiday experience.



## ADELAIDE CENTRAL MARKET TOUR

**Price: \$55 per adult**

A behind-the-scenes market tour. Learn about the SA food industry, taste the produce, enjoy the coffee, hear informative and interesting commentary and meet the store holders.

## ADELAIDE HILLS COUNTRY CLASSIC DRIVE

### GETAWAY: 3 DAYS/2 NIGHTS

**Price: \$190 per adult twin share**

Includes: 2 nights' accommodation at The Manna of Hahndorf (20 mins drive from Adelaide CBD), one bottle of Adelaide Hills wine on arrival; chocolate fondue for two at Chocolate@No5; Udder Delights cheese platter; Adelaide Hills cheese and wine trail pass; Classic Country Drive map pack. Car hire from \$39 per day.

## BAROSSA ROMANTIC RENDEZVOUS: 3 DAYS/ 2 NIGHTS

**Price: \$425 per adult twin share**

Includes: 2 nights' accommodation at Novotel Barossa Valley Resort; full buffet breakfast daily; a three course dinner in Harry's Restaurant on one night; one hour Endora Spa Massage; full day winery tour with Barossa Epicurean Tours. Car hire from \$39 per day.

## FLINDERS RANGES DISCOVERY: 3 DAYS/ 2 NIGHTS

**Price: From \$525 per adult**

Visit Wilpena Pound, Alligator Gorge and Clare Valley Winery. Tour in an air-conditioned off road vehicle with an expert guide. All meals included.

## KANGAROO ISLAND: FULL DAY HIGHLIGHTS TOUR

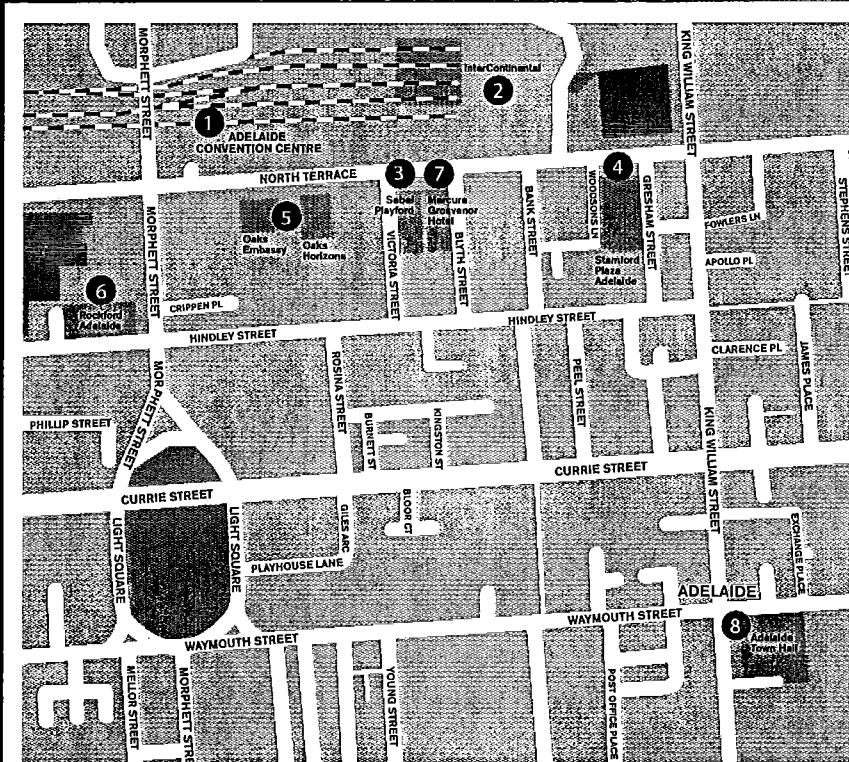
**Price: \$238 per adult**

Depart Adelaide by coach to Cape Jervis join the Sealink Ferry for your 45 minute crossing to Kangaroo Island. A full day of touring including Seal Bay, Flinders Chase National Park visiting Remarkable Rocks and Admirals Arch. Includes 2-course lunch and Birds of Prey free-flight show.



# Ozwater'11

09 - 11 May 2011 • adelaide



1. Adelaide Convention Centre
2. InterContinental Adelaide
3. Sebel Playford
4. Stamford Plaza Adelaide
5. Oaks Embassy and Oaks Horizons
6. Rockford Adelaide
7. Mercure Grosvenor Hotel Adelaide
8. Adelaide Town Hall

## CONTACT US

Ozwater'11 Secretariat  
 General Enquiries, Program,  
 Presenters, Sponsorship, Exhibition

Australian Water Association  
 PO Box 222  
 St Leonards NSW 1590  
 Phone: +61 2 9436 0055  
 Fax: +61 2 9436 0155  
 Email: ozwater@awa.asn.au  
 ABN: 78 096 035 773

## Registration and Accommodation Bookings

Ozaccom  
 PO Box 104  
 RBH Post Office QLD 4029  
 Phone: +61 7 3854 1611  
 Fax: +61 7 3854 1507  
 Email: ozaccom@ozaccom.com.au

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