



ODOURS SPECIALTY CONFERENCE

24-25 AUGUST 2010

The Citigate Central, Sydney
www.awa.asn.au/events/osc

PROGRAM AND REGISTRATION

It is a long time since AWA convened a specialist Conference on Odours but the subject gets more difficult to ignore by the day. "It smells" is the most frequent complaint that water industry professionals hear from the public and even their own colleagues.

In the past, complaints such as this could be dismissed if the responsible body was seen to be the prior occupant of a site or region. Changes to environmental regulations now place the onus and costs for mitigation of odours from sewage treatment works on the plant owner and operator irrespective of history of occupancy of the site. Odour discharges from brewing, petrochemicals and chemicals industries, and from foodstuffs processing are similarly affected. These industries are also required to meet new codes of practice. They often look to the water industry to provide advice and mitigation.

Capturing emissions is neither an easy task nor one which can always be 100% successful. Difficulties in measuring emissions, identifying the responsible agents and neutralising them have been damaging to relationships between the public and the servicing utility. This has been complicated by debate about whether or not discharges are laden with viral spores and bacterial particles with potential impacts on human health.

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WHO SHOULD ATTEND?

The Odours Specialty Conference will be of special interest to:

- Wastewater treatment engineers
- Olfactory specialist and scientist
- Chemical and industrial engineers
- Food, feed lot and petrochemical industry managers

PROGRAM OUTLINE

- Day 1: Invited Speakers/Plenary Sessions/ Platform Papers
- Day 2: Invited Speakers/Platform Papers/ Concurrent Sessions

THEMES

- Detection and measurement of volatile emissions from industrial and municipal STPs
- Management of odours from wastewater treatment of food, chemicals and petrochemical industries
- Plumes, dispersion modelling
- Bio-aerosols and health risks
- Experiences in meeting regulatory requirements and changes to volatile emissions laws.

KEYNOTE SPEAKER



JENNIFER BARCLAY

Jennifer Barclay is a Senior Scientist in TRC's Atmospheric Studies Group with over 16 years experience in applied meteorology and atmospheric sciences.

She has conducted and managed many dispersion modelling studies for all types of industries worldwide. She has in-depth

research and industrial experience with a wide range of dispersion modelling systems from simple Gaussian plume models to more complex Lagrangian Puff models, particle models and prognostic numerical meteorological models.

Ms. Barclay was the onshore meteorologist for USA's Team Dennis Connor in his bid to win the 30th and 31st America Cup Sailing races, and played a significant role in the 2001-2002 Volvo Round the World Ocean Race. Ms Barclay has been involved in developing modelling guidance documents at a ministerial level in New Zealand and state level in Australia.

Jenny has assisted as co-instructor in approximately 50 introductory 3-5 day and advanced dispersion modelling courses worldwide. Ms. Barclay has published several papers in International journals relating to air quality and atmospheric modelling.

VENUE AND DATE

The event will take place at the Citigate Central Hotel located at 169-179 Thomas Street Haymarket. The venue is located close to Central station, from which trains go directly to the airport and elsewhere around Sydney. There are a number of restaurants, entertainment and markets only a short distance away.

ACCOMMODATION

Accommodation is available at The Citigate Central Hotel for \$180 per room per night. For enquiries and to make a reservation, contact reservations on ph: + 61 2 9281 6888 and quote "AWA Conference".

EXHIBITION

Delegates will have the opportunity throughout the conference to visit the trade exhibition. The exhibition will showcase products and services across the odours sector. Exhibitors will include manufacturers of wastewater disposal systems, testing equipment companies, consultants and technology/processing companies. For further information on exhibiting at this conference, please contact AWA ph: +61 2 9436 0055 or email events@awa.asn.au



REGISTRATION INFORMATION

To attend this conference please register online:

www.awa.asn.au/ods

Registration Fees

AWA Member	\$695 including GST
Non Member	\$795 including GST
Day Registration	\$395 including GST

Cocktail Party

Date: Tuesday 24 August 2010, 1730-1830

Venue: Pre function area amongst the exhibition stands

Dress: Smart Casual

Cost: Included in full registration fee. Tickets for accompanying persons and day delegates can be purchased at \$50 per ticket

Registration Inclusions

Full Registrations

- Attendance at conference sessions and trade exhibition on Tuesday 24 and Wednesday 25 August
- Satchel including program, list of participants and CD containing full papers
- Morning Tea, lunch and afternoon tea on Tuesday and Wednesday
- Cocktail Party on Tuesday evening

Day Registrations

- Attendance at conference sessions and trade exhibition on day chosen (Tuesday 24 or Wednesday 25 August)
- Satchel including program, list of participants and CD containing full papers
- Morning tea, lunch and afternoon tea on either Tuesday or Wednesday

Cancellation of Registration

Cancellations must be notified in writing to AWA. Cancellations received prior to Friday 23 July 2010 will receive a full refund less a \$100 administration charge. Refunds will not be issued for cancellations received after Friday 23 July 2010. Substitution delegates will be accept without charge.

PRELIMINARY PROGRAM TUESDAY 24 AUGUST 2010

TIME	SESSION	PRESENTER
08.45	Registration Opens	
09.00	Welcome	
Session 1		
09.15	Dispersion modelling - tracing and anticipating that odour	Keynote Address: Jenny Barclay, TRC Atmospheric Studies Group, New Zealand
10.00	Odour management practices in sewer abatement monitoring - Australian survey	Sivret and Stuetz, University of NSW (NSW)
10.30	MORNING TEA	
Session 2 - Odour detection and measurement		
11.00	Sensor array systems for odour assessment: technology trends and issues	Sohn, Atzeni and Stuetz, University of NSW (NSW)
11.30	A new standardised way of combining tapm prognostic meteorological data with true observational data to increase accuracy of dispersion model output	Georgina Hale and Jenny Barclay, MWH and TRC Group (NSW)
12.00	Liquid and gas phase odour control in practice – a dual approach to a smelly issue	Ari Shammay, MWH Global (NSW)
12.30	LUNCH	
Session 3 - Chair, Jeff Man, EGL The Environmental Group		
13.30	Industrial and wastewater projects. Odour mitigation and management	Ian Evanson, MWH Global (NSW)
14.00	A new ventilation model applying conservation of momentum	Graeme Hamer, CH2M Hill (NSW)
14.30	Olfactory characterisation of NMVOC emissions from WWTP inlet works	Wang, Parcsi, Cesca, Sivret and Stuetz, University of NSW (NSW)
15.00	AFTERNOON TEA	
Session 4 - Chair, Josef Cesca, Ch2M Hill. Biological Causes and Solutions for Odour		
15.30	First full-scale application of the WERF biosolids odour-reduction roadmap at North Head	Tung Nguyen, Sydney Water (NSW)
16.00	Odour and corrosion mitigation in the elanora catchment using model based network chemical dosing	Shaun Corrie, Gold Coast Water (QLD)
16.30	Fate of sulfur odorants in odour assessment	Parcsi, Sivret, Wang and Stuetz, University of NSW (NSW)
Session 5		
17.00	Re-capitulation for the Day - Plenary	

PRELIMINARY PROGRAM WEDNESDAY 25 AUGUST 2010

TIME	SESSION	PRESENTER
Session 6 - Chair, Josef Cesca, Ch2M Hill		
9.00	International projects under the spotlight	Jay Witherspoon, Ch2M Hill, Abu Dhabi
9.30	Odour treatment of high temperature condensate from aluminium processes	Wang, Guan, Foster, Mullett, Anderson and Stuetz, University of NSW (NSW)
10.00	Biotrickling filters, activated carbon scrubbers and chemical scrubbers provide sustainable odour control at beenyup wwtp	Cora Nicholls, SKM, (WA)
10.30	MORNING TEA	
Session 7 - Chair, Jeff Mann, The Environmental Group		
11.00	Biological odour control at wastewater treatment plants: the present and the future	Bart Kraakman, Bioway (NSW)
11.30	Woodman point wwtp odour control system upgrade complies with rigorous odour emission reduction requirements	Cora Nicholls and Ian Wallis, SKM and EEC Consulting (WA)
12.00	Odour abatement and the challenges of urban development pressures around Warriewood WWTP	Rod Mackenzie, Sydney Water (NSW)
12.30	LUNCH	
Session 8 - Chair, Ian Evanson, MWH Global		
13.30	Preliminary findings of atmospheric H2S in a city and on its population	Jenny Barclay, TRC Atmospheric Studies Group, New Zealand
14.00	Biotechniques for odour control from industries around the world, lessons from research, pilot studies and full scale installations	Bart Kraakman, Bioway (NSW)
14.30	Corrosion and odour risk reduction in a common main - a case study	Tim Hurse, GHD (VIC)
15.00	AFTERNOON TEA	
Session 9 - Chair, Diane Wiesner, AWA		
15.30	Evaluation of counter reagents and other short term odour control products	Graeme Hamer, CH2M Hill (NSW)
16.00	Benefits of a structured approach to investigating and managing sewer network odours	Steve Nash, Goulburn Valley Water (NSW)
16.30	Beyond air change rates - designing for better odour containment	Glen Hadiardja, MWH (NSW)
Session 10		
17.00	Concluding Plenary	



CONTACT US

General Enquiries, Program, Presenters,
Sponsorship and Exhibition

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