

International Water Association

The International Water Association (IWA) is a global network of water professionals, spanning the continuum between research and practice and covering all facets of the water cycle. Through IWA members collaborate to promote the development and implementation of innovative and effective approaches to water management. The strength of IWA lies in the professional and geographic diversity of its membership - a global 'mosaic' of member communities - including academic researchers and research centres, utilities, consultants, regulators, industrial water users and water equipment manufacturers. IWA members from each of these communities represent the leading edge in their fields of expertise; together they are building new frontiers in the research and implementation of water and wastewater treatment technologies, within the framework of the total water cycle

IWA's unique international coverage and high quality information services through its specialist conferences guarantees you access to the world's best expertise and contact providing you with excellent opportunities for personal, professional and business expansion and growth.

IWA Publishing, a subsidiary company, provides high quality information on all aspects of water and related environmental fields. Its publishing programme encompasses a wide range of journals, books, reports and electronic products.

For more information on IWA and its activities, please contact:
IWA, Alliance House, 12 Caxton Street, London, W1H 0QS, UK
Email: members@iwahq.org.uk
Web address: www.iwahq.org.uk

IWA Publishing:
Web address: www.iwapublishing.com

IWA Odour publications:

Odours in Wastewater Treatment – Measurement, Modelling and Control
Editor(s): R Stuetz and F-B Frechen
Publication date: March 2001
ISBN: 1900222469

Sampling for Measurement of Odours
Editor(s): P. Gostelow, P. Longhurst, S. Parsons and R Stuetz
IWA Scientific and Technical Report No.17
Publication date: March 2003
ISBN: 1843390337

CENTRE FOR WATER AND WASTE TECHNOLOGY



School of Civil and
Environmental Engineering



www.odour.unsw.edu.au

UNSW

Nanyang
Technological University

International Water Association Workshop

on

Odour Assessment and Control

12 – 13 September 2005

University of New South Wales, Sydney

Organised by

Centre for Water and Waste Technology,
School of Civil and Environmental Engineering,
The University of New South Wales, Sydney

and

Environmental Engineering Research Centre,
School of Civil and Environmental Engineering,
Nanyang Technological University, Singapore

Supported by



International
Water Association



AUSTRALIAN
WATER
ASSOCIATION

Odour Assessment and Control – Two day Workshop

Urban development and the premium value of land at the boundaries of housing areas is placing increasing pressure on the siting and control of odours from wastewater treatment, waste management and agricultural practises. The conflicting balance between urban development and the provision of infrastructure and services now results in high levels of odour complaints from local communities. Despite limitations to measurement and limited control over process inputs, the challenge for industry is to control odours with greater stringency and reliability.

The IWA odour workshop aims to provide delegates including design engineers, operators and managers with a statement of the current practices and limitations in the assessment and treatment of odorous emissions. The fundamentals of odour sampling, on-site and off-site measurement including olfactory and chemical analysis methods and odour modelling will be described. The principles of different odour abatement technologies and their practical application to the control and treatment of odorous emission will be discussed. The workshop will include demonstration and practical experiences of dilution olfactometry (butanol test) and analytical measurement techniques.

Programme

Day 1 – Odour Assessment

- Introduction to odour issues and trends
- Fundamentals of odour chemistry and composition
- Odour sampling techniques
- Olfactory measurement of odours – dilution olfactometry
- Chemical determination of odour composition
- Odour impact assessment – odour modelling

Day 2 – Odour Control

- Odour control issues
- Chemical dosing of sewer systems
- Odour dispersion for reduction
- Chemical scrubbers – mist and packed towers
- Physical treatment of odours – activated carbon
- Biological treatment systems – biofilter, biotrickling and bioscrubbers

Delegates will receive copies of the presentations.

Technical programme devised by Dr Richard Stuetz, Centre for Water and Waste technology, University of New South Wales. Centre for Water and Waste technology reserves the right to change the programme without prior notification.

Dr Richard Stuetz

Dr Richard Stuetz is Senior Lecturer in the Centre for Water and Waste Technology, within the School of Civil and Environmental Engineering at The University of New South Wales, Sydney. He has 14 years experience in wastewater and waste gas monitoring and biological treatment. He was previously a Senior Lecturer at Cranfield University, where he established an Industry - University Engineering Network on the Control and Prevention of Odorous Emissions (www.odour-network.org) that promoted research collaboration and dissemination on odour assessment and management. He is secretary of the IWA Specialist Group on Volatile Emissions and Odours and has published a number of key publications on odour assessment and treatment. He currently leads the UNSW Environmental Emissions and Odour Laboratory within the Centre for Water and Waste Technology and is on the editorial board for the IWA Journal *Water Science and Technology*.

Prof Lawrence Koe

Prof Lawrence Koe is a Chartered Engineer and a registered professional engineer with specialist expertise in the field of odour evaluation and control. Dr Koe has more than 29 years of professional engineering experience having worked with the Ministry of the Environment, Singapore, Gutteridge Haskins and Davy Consultant Engineers, an Australian consultancy practice in Brisbane and as an Associate Professor at the National University of Singapore. He is the founding Director and Chairman, Board of Directors of Aromatrix Pte Ltd, the only Singapore company specializing in odour pollution control and was until recently the Director of the Environmental Engineering Research Centre at Nanyang Technological University, Singapore. He has organised international conferences and conducted advanced training course on odour assessment for engineers in ASEAN and is a key advisor on EIA issues related to Singapore's massive Deep Tunnel Sewerage Scheme.



Registration Form – Odour Assessment and Control Room 109, Civil Engineering Building (H20) 12 – 13 September 2005

The cost of attending the workshop:

IWA / AWA members: \$1200.00 (inc GST)
Non-members: \$1350.00 (inc GST)

Please register my place at the IWA 2 day Odour Workshop:

Surname.....First Name.....(Dr/Mr/Mrs/Ms/Miss)

Position.....Company.....

Address.....

.....

Tel.....Fax.....

Email:

Payment:

Please find enclosed cheque for \$.....payable to
The University of New South Wales

Please invoice my company for the full amount \$

Please debit my credit card (Visa/Mastercard) Card No.
.....

Start DateExpiry DateIssue No.

Amount \$.....Signature

DateName of Cardholder.....

Please state any special dietary requirements.....

I am a Member of:

Workshop Fee - includes attendance, lunch, delegate coffee breaks and full meeting documentation.

The fee does not cover travel, accommodation, technical tours or other items not listed above.

Cancellations and Substitutions - It is regretted that cancellations and refunds cannot be made. However, the organisers will accept substitutions provided that written notification is received.

Data Protection - Please tick this box if you do not wish your details to be held by The University of New South Wales for the purpose of marketing courses, conferences, research programmes and other associated activities.

For further information contact CWWT:

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**Please detach and return this form to:
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