

A CIWEM – CMS Conference

Drinking Water Quality Emerging Contaminants and Advanced Treatment Technologies: How Much Further Can We Go?

23 March 2010: SOAS London

The aim of this technical conference will be to share the latest information and experiences concerning emerging contaminants in drinking water and advanced treatment technologies, as well as the regulatory perspectives on these topics. Some of the discussion questions for the day will include:

- *What is the strategy for emerging and sometimes seemingly “untreatable” contaminants?*
- *What have been the recent experiences and what is the practical advice for implementing and operating advanced treatment technologies in water treatment works?*
- *What are the carbon footprint and cost implications of treating to increasingly higher water quality standards? How does this relate to PR09 implementation?*
- *What should be the water quality research priorities to start to address now, in preparation for PR14?*

Sponsors MWH

Sponsorship: If you are interested in sponsoring this event please contact Lauren Goozee lauren@ciwem.org or Justin Taberham justin@ciwem.org or ring them on 0207 831 3110

Please circulate to colleagues who may be interested

A conference organised by CMS - Communications and Management for Sustainability
in partnership with CIWEM

Drinking Water Quality - Emerging Contaminants and Advanced Treatment Technologies

March 23rd, 2010 SOAS, London

Introduction

Water companies consistently strive to produce drinking water that meets the quality standard of "wholesomeness" using the most cost-effective treatment methods. This is an ever-more complex challenge, as new drinking water contaminants are continually being discovered and new technologies are developed. It can be very difficult to keep up with the latest technical information, but it is crucial for water companies to be aware of emerging water quality issues and the technologies that may be appropriate for addressing these issues into the future.

The aim of this technical conference will be to share the latest information and experiences concerning emerging contaminants in drinking water and advanced treatment technologies, as well as the regulatory perspectives on these issues.

The objectives of this meeting are to:

- Provide a forum for the latest technical information on emerging drinking water quality and treatment technologies.
- Examine how emerging water quality issues are being addressed by water companies in the UK.
- Describe practical experiences with the implementation of advanced treatment technologies and discuss the strengths and limitations of these technologies.
- Relate emerging water quality challenges to PR09 implementation, especially with regard to the cost and carbon footprint of treatment processes.
- Discuss water quality research priorities to start now, in preparation for PR14.
- Hear the regulators' views on these topics and discuss any changes or new legislation that may be needed.
- Provide a forum for discussion of these emerging issues with water company practitioners, technology suppliers, and regulators.

Who should attend?

- Technical experts responsible for water quality and treatment processes
- Planners and all those involved with water quality management and water treatment operations
- Professionals working on investment and asset management for achieving water quality objectives
- Professionals working for treatment technology companies
- Speakers showcasing innovation and best practice

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Programme

9.00 Registration and Tea & Coffee

9.40 Welcome - **Brian Buckley** Consultant, Water Supply and Emergency Management,
former Chair of Water Supply and Quality Panel, CIWEM

9.45 Session 1: **Emerging Drinking Water Contaminants**

Chairman: **Lisa Barrott**, MWH

9.50 Paper 1 Metaldehyde occurrence and removal

Hayley O'Malley Severn Trent Water

10.10 Paper 2 Removal of metaldehyde and other pesticides

Tom Hall WRc

10.30 Paper 3 Update on waterborne microbial pathogens

Gordon Nichols Health Protection Agency

10.50 Panel Discussion / Q&A Session

11.20 Break: Sandwich buffet and refreshments

12.20 Session 2: **Advanced Drinking Water Treatment Technologies**

Chairman: **David Smith** Mott McDonald

12.25 Paper 4 UV technologies - advanced oxidation and Crypto control

Barrie Holden Anglian Water

12.45 Paper 5 Operational overview of membrane installations

Richard Lake Three Valleys Water

13.05 Paper 6 Carbon implications of alternative treatment technologies

Nigel Howard Mott McDonald

13.25 Panel Discussion / Q&A Session

13.55 Break: Sweets and refreshments

14.35 Session 3: **Drinking Water Quality - Risk Mitigation and Regulatory Perspectives**

Chairman: **Brian Buckley**

14.35 Paper 7 DWSP risk mitigation using sustainable technologies

Helen Clay-Chapman Wessex Water

14.55 Paper 8 Proposed Drinking Water Directive updates

John Fawell Consultant

15.15 Paper 9 Emerging water quality Issues – DWI perspective

Jim Foster Drinking Water Inspectorate

15.35 Panel Discussion / Q&A Session

16.05 Closing Remarks

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BOOKING FORM

The Chartered Institution of Water and Environmental Management (CIWEM) is an independent professional body and registered charity, advancing the science and practice of water and environment management for a clean, green and sustainable world. www.ciwem.org

The Venue: The venue is the School of Oriental & African Studies (SOAS), Russell Square, London. This is a new, air conditioned lecture theatre, with all the modern AV aids and professional projectionists; there will be ample space to accommodate the anticipated delegate numbers.

Accommodation: There is a wide range of accommodation available in the area and delegates will receive a hotel list when they book.

The Organisers: The conference is being organised by Bob Earll of Coastal Management for Sustainability (CMS), in partnership with CIWEM.

Conference fee: (VAT at 15%)

Conference fee	£160	VAT £24.00	£184.00
Concession rate*	£130	VAT £19.50	£149.50
Group Rate (3 or more paying together)	£140/person	VAT £21.00	£161.00 each
Full time Post Graduate student/ Retired CIWEM members	£45	VAT £6.75	£ 51.75

*Our aim is to make the conferences as inclusive as possible. The concession rate applies to individuals and organisations that clearly work from limited budgets in the academic or voluntary sector. We will review this on a case by case basis and place individuals and organisations on a register for future reference. Please contact us first by email to bob.earll@coastms.co.uk **before booking** if you think you qualify.

- The fee includes food and refreshments and the conference papers
- Delegates with special needs should make this clear on booking

Conditions:

- Payment may be by cheque, BACS, credit card or online at www.coastms.co.uk
- Cheques (made payable to 'CMS') should be sent to: **CMS, Candle Cottage, Kempley, Glos GL18 2BU**
- For BACS payments please **return the booking form first** for an invoice to be raised
- Invoices will be issued as the standard response
- Confirmation of registration will be acknowledged on receipt of booking form
- Receipts will be issued on payment
- Payment should be completed **BEFORE** the event; otherwise entry may be refused
- Payment is due for all cancellations within ten days of the meeting. Refunds (less £20 administration charge) will only be issued for cancellation more than ten working days before the meeting; substitutes are permitted

Further details from Bob Earll: Phone/Fax 01531 890415 Joining details – maps, directions and hotels – programme are on the CMS website: www.coastms.co.uk or Email: bob.earll@coastms.co.uk

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