

## REGISTRATION FORM

Please return completed form to: Maggi Churchouse, 3 East Barn,  
Market Weston Road, Theltham, Diss IP22 1JJ, UK  
Fax: +44 (0)1359 221004

Title	First Name
Surname	
Organisation	
Address	

Tel	Fax
-----	-----

E-mail
--------

Do you have any special dietary or other needs? (please circle) Yes /No

If yes, please specify
------------------------

I am a member\* of (please circle) RSC SCI IWO

### REGISTRATION FEES

Members *	<input type="checkbox"/>	Pounds sterling only
Non-members	<input type="checkbox"/>	£350 + VAT (£411.25)
Exhibitor	<input type="checkbox"/>	£400 + VAT (£470.00)
Proceedings of 2008 conference	<input type="checkbox"/>	£750 + VAT (£881.25)
Proceedings of 2005 conference	<input type="checkbox"/>	£40 (no VAT)
Proceedings of 2008 & 2005 conference	<input type="checkbox"/>	£50 (no VAT)
	<input type="checkbox"/>	£75 (no VAT)

Details of nearby hotel accommodation may be found on our website

### REGISTRATION PAYMENT

Either register online at [www.soci.org/events](http://www.soci.org/events) using a payment card\*\*

Or enclose a cheque made payable to SCI for  
(only pounds sterling accepted)

£

\* Member means Registered Member of RSC, SCI or IWO  
\*\* We accept MasterCard, Visa, AmEx, Switch, and Delta payment cards

Note: These special prices for proceedings are only available  
when booked with registration

anglianwater

ALcontrol Laboratories

waterdirect

Bournemouth & West Hampshire  
WATER

Sandia  
National  
Laboratories



WATERMILLS

MARQUIS  
& LORD



Wessex  
water  
a YTL company

northern ireland  
water

THREE VALLEYS WATER

SCOTTISH  
WATER



YorkshireWater

### Exhibition

Exhibition space is 2 m x 3 m, and costs £750 + VAT.  
Cost includes one delegate with full attendance, access to an  
electrical point, and table with cloth. Booking forms are available from  
the Secretariat. As space is limited, stands will be allocated  
on a "first come, first served" basis.

### Poster Session

Posters are welcomed on conference related topics - please obtain a  
pro forma from the Secretariat. A prize will be available for best poster.  
Closing date is 15th February 2008.

### Organising Committee

Dr John Gray, Chairman  
Adrian Clark, Dstl  
Dr John Farmer, SCI  
Martin Furness, Consultant  
Simon Gillespie, Scottish Water  
Michael Scott, SWIG  
Steve Scott, Consultant  
Prof Clive Thompson, ALcontrol Laboratories  
Tim White, Marquis and Lord

### Principal Sponsors

RSC - Water Science Forum  
SCI - Environment Group  
IWO

### Proceedings

Proceedings for both this and previous conference may be ordered  
with registration at special prices - see registration form.

### Financially supporting

sponsors include:  
ALcontrol Laboratories  
Anglian Water  
Bournemouth & W Hampshire Water  
Marquis and Lord  
Northern Ireland Water  
Sandia National Laboratories  
Scottish Water  
Severn Trent Water  
Three Valleys Water  
Water Direct  
Watermills Ltd  
Wessex Water  
Yorkshire Water

### Non-financially supporting

sponsors include:  
CIEH  
CIWEM  
Environment Agency  
SIESO  
SWIG  
Veolia Water  
Water UK

VAT No. 673 181 235 GB  
UK VAT = 17.5%

# Water Contamination Emergencies: Collective Responsibility

The Royal Society of Medicine,  
London, UK  
7th-8th April 2008



RS•C  
advancing the chemical sciences

SCI  
where science meets business

iwo  
connecting people  
in the water industry

## Introduction

This is the third of a linked series of international conferences. The first, "Water Contamination Emergencies: Can we cope?" in March 2003, concluded that the UK Water Industry was well positioned to deal with typical emergencies. The second, "Water Contamination Emergencies: Enhancing our response", drew on developing expertise, particularly in analysis and emergency planning within an international focus on possible malicious acts of contamination. The third, "Water Contamination Emergencies: Collective Responsibility", seeks to encourage global sharing of any lessons learnt and collaborative research leading to the adoption of best practice.

## Conference Objectives and Themes

- *target in-use and leading edge technologies*
- *share best practice in terms of operational procedures and security*
- *promote networking amongst experts*
- *identify collaborative and focussed research opportunities*
- *enhance cohesive plan development and inter-agency working*
- *gain common understanding of risk assessment and communication*
- *learn from real emergencies and planned exercises and highlight training needs*
- ... so that all organisations with responsibilities in the field of **Water Contamination**, including CBRN incidents, continue to show effective preparedness.

## Target Audience

This conference will deal with preparedness and possible CBRN (chemical, biological, radiological and nuclear) incidents.

It will be of strategic, tactical and operational interest to civil contingency organisations, emergency planners, health professionals and associated organisations, local authorities, regulators, service and support providers, detection equipment suppliers, disaster recovery specialists, remediation companies, research organisations and water companies.

### Plenary Session

Monday 7th April  
9.00 am Registration and refreshments  
10.00 am Introduction, Themes and Objectives - *John Gray, formerly DWI*  
10.10 am Opening remarks - *Gordon Nichols, Deputy Director, Environmental & Enteric Diseases Department, HPA Centre for Infection*

### Track 1 - Operations

#### Session 1 - Planning and Preparedness

10.40 am Australian perspective  
*Konrad Gill, Water Sector Infrastructure Assurance Advisory Group WS-IAAG*  
11.15 am Dutch perspective  
*Joep Blenkers, VROM - Inspectie, Regio Oost*  
11.50 am Principles and strategy by utilities for drinking water preservation: an international co-operation through the W-Smart association  
*Bruno Nguyen, W-Smart*  
12.25 pm Managing a water supply security event: transitioning from local safety to national security  
*Patrick Bettane, The Hebrew University of Jerusalem*  
1.00 pm Lunch, poster and exhibition viewing

#### Session 2 - Security and Initial Responses

2.10 pm Consequence management within the EPA's water security initiative (formerly WaterSentinel)  
*Brian Pickard, USEPA*  
2.45 pm Physical site security  
*Jim Foster, DWI*  
3.20 pm Refreshments  
3.50 pm Let's get real: real world experiences with real-time online monitoring for security and quality. Detecting and responding to events  
*Dan Kroll, Hach HST*  
4.25 pm Water Infrastructure  
*Roland A Bradshaw, Water Utility Structure, Cranfield University*  
5.00 pm Drinks reception, poster and exhibition viewing  
6.30 pm Close

#### Tuesday, 8th April

8.30 am Registration

#### Session 3 - Incident Management and Aftermath

9.00 am A simulation tool for contaminant warning system design and evaluation  
*Wayne Einfeld, Sandia National Laboratories*  
9.35 am Modelling the CBRN threat - application to water contamination  
*Rob Gordon, RiskAware Ltd*  
10.10 am Refreshments  
10.40 am To be confirmed - *To be confirmed*  
11.15 am Decontamination of post-service connections  
*Stephen Treado, NSIT*  
11.50 am Decontamination/inter-agency response with water focus - *To be confirmed*  
12.25 pm Integrated major incident management - *Anthony Rowe QPM, retired, formerly Metropolitan Police Services, and London Ambulance Service*

### Plenary Session

See Column 1

### Track 2 - Information and Data Management

#### Session 1 - Planning and Preparedness

10.40 am Experience with vulnerability assessments  
*Jeff Danneels, Sandia National Laboratories*  
11.15 am Risk-based approaches to water quality management: integrating public health metrics in water safety planning  
*Guy Howard, Department for International Development (DfID)*  
11.50 am To be confirmed  
*Quincy Lissaur, BSJ*  
12.25 pm Development of an online ATP monitor for drinking water protection  
*Joep Appels, microLAN*  
1.00 pm Lunch, poster and exhibition viewing

#### Session 2 - Security and Initial Responses

2.10 pm Sensitive, selective and simple - UV-spectrometry for contaminant alarm systems  
*Andreas Weingartner, s:can*  
2.45 pm Q TRAP® LC/MS/MS system for the direct and rapid detection of trace organic contaminants in domestic water supplies  
*Michael Baynham, Applied Biosystems*  
3.20 pm Refreshments  
3.50 pm Field detection of biological agents  
*David Squirrel, Enigma Diagnostics*  
4.25 pm Optimisation of NMR methodology for non-targeted detection of water contaminants  
*Adrian Charlton, CSL*  
5.00 pm Drinks reception, poster and exhibition viewing  
6.30 pm Close

#### Tuesday, 8th April

8.30 am Registration

#### Session 3 - Incident Management and Aftermath

9.00 am Water contamination: a co-ordinated response  
*Helen Clay-Chapman, Three Valleys Water*  
9.35 am Radioactivity  
*John Cobb and Helen Griffiths, NIRAS*  
10.10 am Refreshments  
10.40 am Rapid methods  
*K Clive Thompson, ALcontrol Laboratories*  
11.15 am Processing and databasing spectroscopy and its use in the elucidation of unknowns  
*Peter Russell and Ian Peirson, Advanced Chemistry Development*  
11.50 am Radioactivity issues and the new Green Book  
*Joanne Brown, HPA*  
12.25 pm Robust online TOC monitor  
*Erin Milks, GE Analytical Instruments*

1.00 pm Lunch, poster and exhibition viewing

#### Session 4 - Risk Management: are we sharing?

2.10 pm Best Practice - *Keith Weston, UK Defence Academy*  
3.00 pm Lessons learned in major contamination incidents – *Martin Furness, consultant*  
3.50 pm The way forward - *John Gray, formerly DWI*  
4.30 pm Close

### Plenary Session

See Column 1

### Track 3 - Communications

#### Session 1 - Planning and Preparedness

10.40 am UK emergency planning  
*Paul Fenton, Southern Water Services Ltd*  
11.15 am Scottish waterborne hazard plan  
*Margaret McGuinness, Scottish Water*  
11.50 am Role of MoD CTSTC  
*Helen Almey, Counter Terrorism Science and Technology Centre, Dstl*  
12.25 pm Research related to the water security initiative  
*Kim Fox, US EPA*  
1.00 pm Lunch, poster and exhibition viewing

#### Session 2 - Security and Initial Responses

2.10 pm Early warning and reports  
*Virginia Murray, CHaPD, HPA*  
2.45 pm OK, we've got a problem, so who do we tell? Inter-agency communications - a water company view  
*Dave Woolloff, Yorkshire Water*  
3.20 pm Refreshments  
3.50 pm A case of human anthrax in Scotland - a multi-agency challenge in consequence management  
*Colin Ramsay, Health Protection Scotland*  
4.25 pm To be advised  
*Graham Lloyd, HPA Emergency Response Team*  
5.00 pm Drinks reception, poster and exhibition viewing  
6.30 pm Close

#### Tuesday, 8th April

8.30 am Registration

#### Session 3 - Incident Management and Aftermath

9.00 am Scientific and technical advisory cells - the challenge of getting timely public health advice to multi-agency frontline responders  
*Rob Carr, HPA West Midlands*  
9.35 am Communicating with the public during water contamination events: addressing vulnerable populations  
*Phyllis A Nsiah-Kumi, University of Nebraska Medical Center*  
10.10 am Refreshments  
10.40 am Medical preparedness for water contamination events  
*Patricia Meinhardt, Center for Occupational and Environmental Medicine*  
11.15 am Liability and blame in the aftermath: a lawyer's view  
*Mark Scoggins, Fisher Scoggins LLP*  
11.50 am Keeping the public on-side and maintaining reputation  
*John Shaw, UPM*  
12.25 pm Risk management  
*Brian MacGillivray, Lancaster University*