



Present a one-day conference on:

## **“WATER MANAGEMENT”**

to be held

**FRIDAY, 11<sup>TH</sup> NOVEMBER 2016**

At

**THE WRIGHTINGTON HOTEL & COUNTRY CLUB,  
The Wrightington Suite, Moss Lane, Wrightington,  
near Wigan, Lancashire, WN6 9PB**

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Within the UK we have some of the safest water in the developed world, it is an essential commodity we all rely upon every day; but if the management of our water systems fail then people are at risk from biological pathogens like Legionnaire’s disease and Pseudomonas aeruginosa, this is especially concerning for healthcare establishments who by their very nature have the most vulnerable patients and visitors in plentiful supply.

Healthcare establishments have large complex water systems and excessive numbers of outlets, thermostatic mixing valves and showers, which means the persons responsible for water quality and patient care have to be ever more vigilant with the management of their water systems.

Legionellosis is a controllable disease if someone contracts it, it is because someone has done something wrong and put people at risk. This is why we have such large amounts of legislation and guidance.

HSE’s L8 was last updated 2013 and issued the technical guidance separately HSG 274 which is now in three parts. The Department of Health have followed suit and updated their more prescriptive suite of water management documents HTM 04-01 which were released May 2016 and are now Parts A,B & C.

If you are responsible for water quality and want to receive the very latest information and learning from leading authors and experts in the field of water management, covering the new HTM’s, risk assessments, water safety plans, closed loop systems and the de-regulation of water; then this conference is the absolute must attend event of the year.

**WE ARE EXPECTING THIS CONFERENCE TO BE FULLY SUBSCRIBED. IF YOU WISH TO ATTEND, PLEASE COMPLETE AND SEND IN AN APPLICATION FORM AS SOON AS POSSIBLE.**

The cost of attending the Conference is £125.00 per person OR £100.00 per person if two or more attend from the same Trust/Organisation. This includes attendance at the Conference course handouts, coffee/tea on arrival, mid morning coffee/tea and a two-course lunch.

**“WATER MANAGEMENT”  
FRIDAY, 11th NOVEMBER 2016  
PROGRAMME**

**8:45am REGISTRATION**  
Tea, Coffee and a Bacon Roll

**9:15am WELCOME & INTRODUCTION**  
  
**Presenter - HARRY EVANS**  
Chairman of the Estates TAG  
Authorising Engineer - Mechanical, Engie

**9:30am RISK ASSESSMENTS**  
  
**Presenter - DUNCAN SMITH**  
HM Specialist Inspector of Health & Safety  
(Occupational Hygiene)  
Health and Safety Executive

**10:15 WATER SAFETY PLAN**  
  
**Presenter - DR JOHN MORGAN**  
Technical Manager  
Business Stream

**11:00am MID MORNING BREAK**

**11:15am PSEUDOMONAS AERUGINOSA,  
CARBAPENAMASE PRODUCING  
ENTEROBACTERIACEA AND OTHER  
NOSOCOMIAL PATHOGENS IN HEALTHCARE  
WATER SYSTEMS**  
  
**Presenter—TOM MAKIN**  
CEO of Envirocloud

**12:00pm LUNCH**

**1:00pm FLOODING - A TRUST’S PERSPECTIVE**  
  
**Presenter - STUART HOSKING-DURN**  
**MEPS**  
Resilience and Emergency Planning  
Manager, University of Morecambe Bay  
NHS Foundation Trust

**1:45pm COMFORT BREAK**

**2:00pm “PRE-COMMISSIONING CLEANING  
PROCESS OF CLOSED LOOP SYSTEMS AND  
WHAT CAN GO WRONG”**  
  
**Presenter: DR PAMELA SIMPSON**  
Water Microbiology Consultant  
Parsloe & Simpson WT Consulting

**2:45pm THE ENGLISH WATER MARKET**  
  
**Presenter - CRAIG MCKINLAY &  
DR JOHN MORGAN**  
Business Development Manager &  
Technical Manager  
Business Stream

**3.15pm HTM 04-01 NEW RELEASE**  
  
**Presenter - DR TOM MAKIN**  
Senior Consultant  
Legionella Risk Management Experts

**4:00pm CLOSE OF CONFERENCE**

**SAFE JOURNEY HOME**

**WATER MANAGEMENT**  
**FRIDAY, 11th NOVEMBER 2016**  
**SPEAKERS**

**HARRY EVANS BSc (Hons), MRICS, MIHEEM, MB Eng**  
**Chairman of the Estates TAG and Authorising Engineer - Mechanical, Engie**

Harry is a chartered professional with over 30 years' experience incorporating the design and maintenance of commercial, industrial and healthcare premises. Harry started his NHS career in 2000 initially starting within the Capital Department of Salford Royal NHS Foundation Trust, before taking on the role of Head of Operational Estates for Salford, a position Harry held for over 12 years. Harry has recently been appointed as Mechanical AE for Engie where he will continue to provide a service to the NHS mainly utilising his expertise in water quality. Harry started his early career as an electrician, before diversifying into building and engineering services. Over the years he has gained qualifications, expertise and experience of a wide range of building and engineering services.

**DUNCAN SMITH**  
**Health and Safety Executive, HM Specialist Inspector – Occupational Hygiene**

Duncan Smith joined the Health and Safety Executive in 2010. He is a Chartered Occupational Hygienist and a Specialist Inspector within the Field Operations Division (FOD) Specialist Group. He and colleagues are tasked with ensuring that risks to worker's health and safety and the environment, in connection with work activities involving substances hazardous to health, including legionella, are controlled in accordance with the current legislative requirements.

Duncan is routinely involved in inspection, enforcement, incident investigation and Expert Witness work. In addition to these frontline responsibilities of being a Specialist Inspector, he is Topic Lead for FOD on legionella. In this capacity, he has been involved in several Legionnaire's disease outbreaks, is a member of both HSE's Legionella Technical Working Group and HSE's Legionella Committee and has contributed to both internal and external guidance on the control and management of legionella risks.

**DR JOHN MORGAN**  
**Technical Manager, Business Stream**

John has over 29 years' of experience in all aspects of water and waste water treatment. He has worked for various specialised contractors including Yorkshire Water PLC, Biosystems International, The Brackett Group, Biothane NV, Biotim BV, Esmil Ltd. and Barr + Wray before joining Business Stream, gaining considerable experience in all aspects of treatment design and installation.

Reporting to the Head of Water and Waste Water, his responsibilities include: client consultancy, anaerobic and aerobic biological treatment, potable water treatment including disinfection and colour removal, chemical treatment and borehole applications. John is a chartered engineer and scientist and is a member of The Chartered Institute of Water and Environmental Management (CIWEM) and Institute of Biology (MIBOL). He is the author of numerous scientific papers and engineering publications.

**CRAIG MCKINLAY**  
**Business Development Manager, Business Stream**

Craig has over 15 years' experience across the public and private Utilities sectors, including 5 years with Business Stream, working in a number of roles across both Sales and operations.

He is responsible for delivering large value water and wastewater supply contracts and solutions projects across the UK, ensuring customers make optimum savings on water, wastewater and trade effluent services.

Craig is playing a leading role in Business Stream's preparation and development of a competitive water market in England pre and post 2017.

## WATER MANAGEMENT

FRIDAY, 11th NOVEMBER 2016

### SPEAKERS

#### **TOM MAKIN**

**CEO of Envirocloud**

Tom Makin started his career at an environmental laboratory, later graduating from Manchester Metropolitan University Bsc.Hons Environmental Science with studies on the control of Legionella bacteria in potable water systems.

Tom progressed through his risk management career from Risk Assessor, Account Manager North (UK), Account Manager (UK, Middle East & Africa) and to CEO and Chief Consultant of Envirocloud Ltd.

Tom has been actively involved with all aspects of water management and has a specialist knowledge in the control of Legionella, Pseudomonas and other opportunistic waterborne pathogens in commercial, leisure, dental and healthcare environments.

Tom has led industry research into the growth of Legionella and Pseudomonas in domestic water systems and continues to provide guidance for the development of PCR technologies, water saving devices, filtration technologies, groundwater abstraction, industrial process systems and the control of opportunistic waterborne pathogens in healthcare premises.

In March 2012, Tom authored the first City and Guilds accredited Pseudomonas training in the UK and is an Authorising Engineer (water) for a number of Trusts throughout the UK.

Tom forms part of the Department of Health Technical Committee for the revision of the 2016 Health Technical Memorandum 04-01 for the control of Legionella and Pseudomonas in healthcare premises.

#### **STUART HOSKING-DURN, MEPS**

**Resilience and Emergency Planning Manager,  
University of Morecambe Bay NHS Foundation Trust**

Stuart is a resilience professional with over 20 years experience working for large organisations such as: Rolls-Royce, Sodexo, John Laing plc covering areas such as nuclear, outsourced services, construction and

healthcare; including 2 years working on the London Olympic Games project.

Stuart also sits on the Risk & Audit Committee for the Chartered Institute of Environmental Health and the CBRNE Professional Working Group for the Emergency Planning Society. Stuart has a particular interest in training and human factors to try to reduce risk during major incidents or surge events which place strain on people, resources and services.

For the last 12 months Stuart has been working with University Hospitals of Morecambe Bay NHS Foundation Trust and during that time he has worked on the Trust response to Ebola, Kirup Report, Storm Desmond, Eva & Frank, Junior doctors industrial action as well as supporting the winter pressures programme.

#### **DR PAMELA SIMPSON**

**Water Microbiology Consultant, Parsloe & Simpson  
WT Consulting**

Dr Pamela Simpson is a Chartered Fellow of the Royal Society of Biology. She established Whitewater Technologies in 1998, before which she spent over eight years working in the speciality chemicals industry, initially as a technical and European director of the Industrial Biocides Division of a major chemicals manufacturing and processing company.

She has developed a broad knowledge of the application of microbial control techniques in product preservation and antimicrobial surface protection, process water control, and microbial issues within hot and cold closed systems for both healthcare new-builds and commercial premises. She is also an approved trainer for Legionella awareness courses for water treatment engineers.

Her recent work involved expert work for microbially-influenced corrosion in a range of commercial and healthcare buildings of hot and cold closed systems. She was on the Steering Group for the writing of BSRIA BG50/2013: Water treatment for closed heating and cooling systems.

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**SPEAKERS**

**DR TOM MAKIN**

**Senior Consultant, Legionella Risk Management Experts, Makin & Makin**

Dr Makin has over 35 years experience in medical microbiology as a Biomedical Scientist and was the Directorate Manager of the Department of Medical Microbiology in the Royal Liverpool University Hospital for over 20 years. He left this post at the end of March 2010 and now provides microbiology consultancy services for Makin & Makin Consultancy Ltd, for which he is the lead Consultant and Director.

Dr Makin has published a number of papers in scientific and technical journals, and lectured at many events across the world on Legionnaires' disease and other water-borne infections.

Dr Makin has advised the Department of Health and many hospital Trusts on the control of Legionella, Pseudomonas, and other waterborne pathogens in healthcare premises, and he acts as Authorising Engineer (Water) for some large hospital Trusts. He was a member of the working party that produced the Department of Health Legionella guidance HTM 04-01 (2006) and assisted the Department of Health in producing the addendum to HTM 04-01 on the control of *Pseudomonas aeruginosa* in water systems in augmented care units. He was a member of the Steering Group that produced the updated HTM 04-01, which was released in May 2016.

Dr Makin advised the Health and Safety Executive (HSE) on aspects of Legionnaires' disease and is a co-author of the technical guidance that accompanied the HSE Approved Code of Practice – *The control of legionella bacteria in water systems*, (L8), which was released in January 2001. He also assisted the HSE in the update of this guidance HSG 274 (parts 1 to 3) the final part of which (part 2) was released in April 2014.

Dr Makin contributed as a member of a committee of the Standing Group of Analysts (Environment Agency) in the production of technical guidance on the sampling of water systems for legionella bacteria, which is now a British Standard (BS: 7592).

He has advised government agencies and municipalities in other countries, large manufacturing companies, Facilities Management companies, water treatment companies, Metropolitan/Borough Councils, housing associations, hospitals and other health care premises, hotel chains, cruise lines and many others, on microbiological aspects of the quality of water.

Dr Makin has served as an expert witness in a number of legal cases regarding Legionnaires' disease.