



The NHS Northern
ESTATES TRAINING ADVISORY GROUP

Present a one-day conference on:

WATER RESOURCES & COMPLIANCE

to be held on

FRIDAY, 4TH JULY 2014

at

THE CONFERENCE CENTRE,
Wrightington, Wigan and Leigh NHS Foundation Trust,
Wrightington Hospital, Hall Lane, Appley Bridge, near Wigan

Water is essential for health. Yet even though it is essential to health, it frequently gets overlooked as one of the six basic nutrients along with carbohydrates, fats, vitamins, proteins and minerals – but what of water quality? We are all now well aware of the dangers of not keeping our water to the highest possible quality, with opportunistic pathogens like *legionella* and *pseudomonas aeruginosa*, seemingly waiting to take advantage of any lapse in our control measures.

Within the NHS we have some of the largest and most complex estate portfolio in Europe with miles of pipe-work containing millions of litres of water, which is administered to some of the most vulnerable people in society. It is therefore not surprising to find such a large amount of legislation, guidance and updates to ensure water systems are managed correctly.

Water is increasingly becoming a precious commodity which is being placed under increasing demand. Such rises in demand and cost is putting pressure on us all, some of us are looking to alternative supplies from i.e. boreholes.

If you have responsibilities for water distribution, purchase or quality then this conference *is an absolute must for you* – if you want to know more of water deregulation, boreholes and receive an update on the latest changes to legislation and guidance from renowned experts in their field, then look no further than this conference.

THIS CONFERENCE WILL BE OF SPECIAL INTEREST TO: ESTATES AND FACILITIES PROFESSIONALS, ENERGY MANAGERS THOSE WHO ARE INVOLVED IN CAPITAL SCHEMES REFURBISHMENT, MAINTENANCE ALONG WITH THOSE WHO HAVE RESPONSIBILITY FOR ENGINEERING SERVICES WITHIN HOSPITALS AND ALL HEALTHCARE PREMISIES OR PUBLIC BUILDINGS.

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, certificate of attendance, course handouts, coffee/tea on arrival, mid morning coffee/tea, two-course lunch and afternoon tea/coffee.

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PROGRAMME

8.45 am **Registration
Coffee and Tea**

9.15 am **WELCOME AND INTRODUCTION**

Chairman – HARRY EVANS
(Chairman of the Estates TAG)
Head of Operational Estates, Salford
Royal NHS Foundation Trust

9.30 am **REGULATION UPDATE**

Presenter – MIKE KOUMI
Managing Partner, HYDROP E.C.S.

10.15 am **WATER DEREGULATION**

Presenter – MARK POWLES
Chief Executive Officer, Business
Stream – A Scottish Water Company

11.00 am **Mid Morning Coffee and Tea**

11.15 am **FILTER TECHNOLOGY MEETS THE
WATER TREATMENT CHALLENGES –
FROM SOURCE TO POINT OF USE**

Presenter – TIM LILLEY
Vice President, Sales & Marketing,
Industrial Water, Pall Corporation

12.00 noon **QUESTION AND ANSWER SESSION**

12.15 pm **2-COURSE BUFFET LUNCH**

1.15 pm **WATERBORNE PATHOGENS IN
HEALTHCARE PREMISES**

Presenter – DR TOM MAKIN
Environmental and Clinical Diagnostics
Microbiology Consultant, Makin &
Makin Consultancy Limited

2.00 pm **GROUNDWATER ABSTRACTION &
FLOOD HAZARDS; WHAT YOU
NEED TO KNOW**

Presenter – SIMON GEBBETT
Technical Specialist - Groundwater,
Environment Agency – North West

Presenter – DAVID GRAHAM
Flood Resilience Adviser, Environment
Agency – North West

2.45 pm **BOREHOLE EXTRACTION**

Presenter – PAUL YOUNG
Project Manager Water Efficiency
Solutions, Business Stream – A Scottish
Water Company

Presenter – DESMOND CHINDAWI
Project Manager Solutions, Business
Stream – A Scottish Water Company

3.30 pm **QUESTION AND ANSWER SESSION**

3.45pm **CLOSE OF CONFERENCE**

Afternoon Coffee and Tea

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ABOUT THE SPEAKERS

HARRY EVANS BSc (Hons), MRICS, MIHEEM, MB Eng
Chairman of the Estates TAG and Head of Operational Estates, Salford Royal NHS Foundation Trust

Harry is a chartered professional with over 25 years experience incorporating the design and maintenance of commercial and industrial premises. Harry has worked for the NHS since 2000 initially starting within the capital department of Salford Royal NHS Foundation Trust before taking up his present role as Head of Operational Estates. Harry started his 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.

MIKE KOUMI BSc (Hons)
Managing Partner, HYDROP E.C.S.

Mike is a UK qualified Industrial Microbiologist who has been working as a Consultant in the field of Legionellosis Management and Control for the last 25 years with HYDROP E.C.S. (UK) of which he is a Senior Partner. He is currently the appointed Legionella Consultant for a large number of the NHS Trusts and some of the UK's larger companies/organisations including British Aerospace, a large number Local Authorities, Defence Estates, Universities etc. Mike is a member of various Legionellosis Management and Control Steering Committees, National Health Service Strategic Committees and other advisory bodies. For the last 8 years, Mike has, been appointed as principal advisor to the Cyprus Ministry of Health for the preparation and implementation of the Legislation and Guidance locally. Mike has acted as principal investigation officer on a number of Legionnaires' disease outbreaks and suspected outbreaks.

MARK POWLES
Chief Executive Officer, Business Stream – A Scottish Water Company

Mark is Chief Executive Officer of Business Stream, the leading supplier of water and waste water to businesses. Since joining the company at start up stage in March 2007, he has created a major stand-alone retail business

operating in the world's first competitive water retailing market in Scotland. He has championed the benefits of competition in the water industry and is playing an influential role in driving forward the water market reform agenda in England. Business Stream is now established as a strong, sustainable and high performing brand delivering significant value for customers, through keener prices and a range of tailored and innovative services. Since 2008, Business Stream has saved customers over £35m in consumption charges. He brings a wealth of senior management experience from private sector companies operating in highly regulated, competitive and customer focused markets across retail, travel and financial services, with leading companies such as Sealink Stena Line, National Express Group and AEGON UK.

TIM LILLEY MSc, CChem, FRSC
Vice President, Sales & Marketing, Industrial Water, Pall Corporation

Tim has worked in the sphere of fluid clarification since graduation with particular focus on water and wastewater treatment. Initially providing water treatment solutions to the oil and gas industry then moving to Pall Corporation in 1986 (to date) to broaden the scope of this specialisation. Tim became a Chartered Chemist in 1985 and was admitted as Fellow of the Royal Society of Chemistry in 1999. Tim has numerous publications in the field of fluid purification including peer reviewed papers and Elsevier's Solid/Liquid Separation, (membranes), 2005. He has developed filtration devices and an oil/water separation hydrocyclone and holds a patent for a novel waste water treatment technology.

DR TOM MAKIN BA, PhD, CSci, FIBMS, MWMSoc, FRSPH
Environmental and Clinical Diagnostics Microbiology Consultant, Makin & Makin Consultancy Limited

Dr Makin has been actively involved in diagnostic Medical Microbiology for 40 years. He was the Directorate Manager of the Department of Medical Microbiology at the Royal Liverpool University Hospitals for over 25 years and left in March 2010 to run his Consultancy. Dr Makin has researched extensively into environmental aspects of Legionnaires' disease. He has published several papers on this topic and has presented many lectures on legionella both nationally and internationally. Dr Makin is a co-author of the HSE ACOP (L8) on the Control of Legionella in water systems, and also of HTM 04-01 which provides guidance on the control of legionella bacteria in healthcare premises. He is a member of the working party that is currently updating this document. Dr Makin has advised many NHS Trusts throughout the UK on the control of legionella bacteria, Pseudomonas, and other micro-organisms in their water systems. He managed a 3-year study for the Department of Health which was the first to evaluate the efficacy of chlorine dioxide in controlling legionellae and biofilm in hot and

cold water systems. This took place in a hospital where an outbreak of Legionnaires' disease had occurred. Dr Makin has also advised government agencies and municipalities in other countries, the UK Ministry of Defence, Metropolitan/Borough Councils, various large manufacturing companies, hotel chains, cruise lines, and others, on legionella risks and their control. He has served as an expert witness in a number of court cases regarding outbreaks of Legionnaires' disease, including the Barrow, Hereford, Glastonbury, and Cardiff outbreaks.

SIMON GEBBETT BSc (Hons) MSc CGeol FGS

Technical Specialist - Groundwater, Environment Agency – North West

Simon is a Chartered Geologist and Hydrogeologist with over 15 years experience. He has worked for the Environment Agency in the North West of England since 1998, having previously worked at BNFL following the completion of a Masters degree in Hydrogeology. Simon's main expertise is in groundwater resources, for example the hydrogeological aspect of assessing groundwater abstraction licences, and groundwater resource assessment including groundwater modelling. He also manages the source protection zones for potable abstractions in the North West. Simon has also managed contracts to drill groundwater level monitoring boreholes, and has been involved in producing EA guidance in relation to groundwater abstraction, and ground source heating and cooling.

DAVID GRAHAM

Flood Resilience Adviser, Environment Agency – North West

David has worked for the Environment Agency for 9 years. In his role as Flood Resilience Adviser for the Greater Manchester, Merseyside and Cheshire Area, he and his team work with individuals, communities and Partners to heighten awareness of flooding and encourage preparedness for flooding before, during and after an event. Making people aware of their flood risk is the first step in enabling them to be prepared when flooding occurs. As a Category 1 Responder, the Environment Agency has a responsibility to warn and inform the public of impending emergencies under the Civil Contingencies Act 2004. David is part of this Flood Incident Management Team acting as a Flood Warning Duty Officer, monitoring river levels and issuing Flood Warnings to the public. This flood warning service is critical to help communities and businesses prepare for flooding.

PAUL YOUNG

Project Manager water Efficiency Solutions, Business Stream – A Scottish Water Company

Paul is a chartered chemical engineer with several years' experience in environmental engineering and consulting, spanning water conservation, environmental permitting, compliance, sustainability and pollution control engineering projects. Paul operates within Business Stream's Solutions team, providing technical delivery and project management of various water efficiency, wastewater treatment and sustainability projects for a wide variety of public sector, commercial and industrial clients. Paul has experience in all aspects of water efficiency project work to include: benchmarking and data analysis; flow measurement and water balance preparation; on-site auditing and preparation of improvement actions; water treatment and recycling; wastewater treatment consulting; rainwater harvesting feasibility studies; sustainable drainage feasibility studies; and water efficiency training.

DESMOND CHINDAWI

Project Manager Solutions, Business Stream – A Scottish Water Company

Desmond is a professional Mechanical Engineer registered with the Institute of Mechanical Engineers and the UK Engineering Council. He has experience in FMCG manufacturing, water treatment and distribution (investment strategy), power generation and processing industries where he has delivered successful projects and schemes. In his spare time, he is a STEM ambassador and an Institution of Mechanical Engineers Ambassador where he mentors students to foster a future generation of technically minded people. He also encourages students to take up STEM subjects and Engineering as a career.