



The Northern NHS
ESTATES TRAINING ADVISORY GROUP



present a one-day conference on:

LEGIONELLA

to be held on

FRIDAY, 11TH JULY 2008

at

**THE CONFERENCE CENTRE,
Wrightington, Wigan and Leigh NHS Trust,
Wrightington Hospital, Hall Lane, Appley Bridge, Near Wigan.**

Legionnaires Disease may be more prevalent than you think! Have you fully adopted the new guidance 'DH HTM 04-01, ACOP L8 and COSHH? Are you the 'Responsible Person' for your organisation, is your 'Risk Assessment and Logbook' up to date, are your staff adequately trained? The HSE are currently undertaking a review of many hospitals nationally, ensuring management and staff are satisfactorily aware of Legionella and have adequate control measures in place.

The conference will present leading experts in Legionella control - Dr Tom Makin, steering group member of HTM 04-01, will explain in depth how *Legionella pneumophila* infiltrates our engineering systems and what control measures must be in place to protect our patients and staff.

David Harper, Public Health Consultant, will take us through an investigation of an outbreak. If this happened on your site, would you know what to expect, would you be able to provide all the necessary information? If you are at all unsure, then don't be caught out ensure you attend - forewarned is forearmed!!

The HSE will also be attending informing the audience of their recent findings of non-compliances and the reasons behind their current drive to inspect hospitals *Legionella* control measures.

This seminar is essential to all persons with responsibility for water quality within public buildings - although we will be mainly looking at NHS organisations and the DH HTM, which is more onerous than L8, it will be of interest to all persons involved or with varying levels of responsibility for the delivery of this high risk technical standard. Learn from leading experts who will share their expertise and inform you of the latest techniques regarding Legionella control. If you are fully compliant, leave the seminar knowing you are! If not, you should leave the seminar with the knowledge of your failings, assured of how you can produce a risk and management plan and subsequently where you have to re-allocate funding.

THIS CONFERENCE WILL BE OF SPECIAL INTEREST TO ESTATES AND FACILITIES PROFESSIONALS AND THOSE WHO ARE NOMINATED APPROVED PERSONS WATER, THOSE WHO HAVE RESPONSIBILITY FOR ENGINEERING SERVICES, HOSPITALS AND PUBLIC BUILDINGS

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 **£100.00 per person**. This includes attendance at the conference, course handouts, coffee/tea/bacon roll on arrival, mid morning coffee/tea, two course buffet lunch and afternoon tea/coffee.

To find out more about our events please visit www.northerntag.org.uk

LEGIONELLA

FRIDAY, 11TH JULY 2008

PROGRAMME

8.45 am *Registration
Coffee/Tea/Bacon Roll*

9.15 am **WELCOME AND
INTRODUCTION**

Chairman – HOWARD JACKSON
(Chairman of the Estates TAG)
Assistant Director – Estates Operations,
Lancashire Teaching Hospitals NHS
Foundation Trust

9.30 am **HSE AND LEGIONELLA
CONTROL**

❖ HSE Safety in Healthcare

Presenter – Mr MIKE TETLEY
HM Inspector of Health & Safety

10.15 am **LEGIONELLA IN HEALTH CARE
PREMISES**

Presenter – DR T MAKIN
BA, PhD, CSci, FIBMS
Directorate Manager,
Department of Medical Microbiology,
Royal Liverpool University Hospitals

11.00 am *Morning Coffee/Tea*

11.15 am **DH HTM 04-01**

Presenter – DR T MAKIN
BA, PhD, CSci, FIBMS
Directorate Manager,
Department of Medical Microbiology,
Royal Liverpool University Hospitals

12.00 noon **QUESTION AND ANSWER
SESSION**

12.15 pm **BUFFET LUNCH**

1.15 pm **INVESTIGATION OF AN
OUTBREAK**

Presenter – DAVID HARPER
MSc, BSc, CEng, MIMechE, MCIBSE
Public Health Consultant

2.15 pm **HOT & COLD WATER SERVICES
- ARE YOU COMPLIANT?**

Presenter – DAVID HARPER
MSc, BSc, CEng, MIMechE, MCIBSE
Public Health Consultant

3.15 pm **QUESTION AND ANSWER
SESSION**

Afternoon Coffee/Tea

3.30 pm **CLOSE OF CONFERENCE**

SAFE JOURNEY HOME

LEGIONELLA

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ABOUT THE SPEAKERS

HOWARD JACKSON

Chairman of the Estates TAG and Assistant Director – Estates Operations, Lancashire Teaching Hospitals NHS Foundation Trust

Howard is Assistant Director – Estates Operations for Lancashire Teaching Hospitals NHS Foundation Trust. He has been employed in the Health Services since 1974. Howard is a member of both the Chartered Management Institute and British Institute of Facilities Management and is registered with the Engineering Council. He is the Chairman of the Northern NHS Estates Training Advisory Group and is also an active member of the Northern NHS Facilities Management Training Advisory Group and member of the Professional Advisory Group.

MIKE TETLEY

HM Inspector of Health & Safety

Mike was recruited to the HSE as a Quarries Inspector in 1991 and was based in Bristol for 10 years before moving to Preston in 2001 when he was allocated to the Services Group. During August 2002 Mike was the investigating Inspector for the HSE on the outbreak of Legionnaire's disease in Barrow-in-Furness. This was concluded with the Inquest into the 7 deaths in June 2007. Mike has also undertaken work on the control of legionella in the NHS and Local Authority's.

DR T MAKIN, BA, PhD, Csci, FIBMS

Directorate Manager, Department of Medical Microbiology, Royal Liverpool University Hospitals

Dr Makin has been actively involved in diagnostic Medical Microbiology for over 30 years, and is currently the Directorate Manager of the Department of Medical Microbiology at the Royal Liverpool University Hospitals, a post he has held for over 20 years. He has researched extensively into environmental aspects of Legionnaires' disease, and has assessed the effectiveness of various measures in the control of legionella bacteria in water systems. He has published many papers on this topic in scientific and technical journals, and has presented over 200 lectures on legionella at various conferences and seminars both nationally and internationally. Dr Makin was a member of the working group that produced the technical guidance in the HSC Approved Code of Practice (L8) on the Control of Legionella Bacteria in Water Systems. In particular over the last 20 years, he has acquired extensive practical experience in biocides and in the epidemiology, ecology, and control of the legionella bacterium, and other clinically significant micro-organisms in various water systems. As a member of the Standing Committee of Analysts he contributed to the technical guidance published by the Environment Agency on methods for sampling and detecting legionella bacteria in water systems. As an advisor to the UK Department of Health (DoH) through their Executive Agency NHS Estates (now DoH Engineering) Dr Makin participated in the production of their Legionella Technical Guidance for Health Care Premises (HTM 2040). He is a co-author of

the updated version of this Legionella Guidance for Health Care Premises, HTM04 – 01, which was published in December 2006. Dr Makin managed a 3-year study for the DoH, which evaluated the efficacy of chlorine dioxide in controlling legionella bacteria and other micro-organisms in a Hospital, where an outbreak of Legionnaires' disease had occurred. He has advised many NHS Trusts on the control of legionella bacteria and other micro-organisms in their water systems. Dr Makin has also served as an expert witness in a number of court cases regarding outbreaks of Legionnaires' disease, including the Barrow outbreak.

DAVID HARPER, MSc, BSc, CEng, MIMechE, MCIBSE

Public Health Consultant

David Harper completed his apprenticeship as an Electrical Engineer and then, in the fullness of time, became a Hospital Engineer which he has been for at least 30 years. David was the Hospital Engineer at Kingston District General Hospital in Surrey, when in 1979 there was the first major outbreak in the UK of Legionnaires' disease. At this time even the medical profession and the microbiologists knew little and the engineering fraternity knew absolutely nothing with regards to Legionnaires' disease and the engineering implications. It was identified that a cooling tower had caused the problem, this was removed and an air-cooling system was installed, but claimed 3 lives. The now Health Protection Agency research team moved in to investigate the situation and at Christmas that year, legionella was found in the domestic hot water system in the main surgical block. This was the first in the world that anyone knew that legionella not only grew in cold water systems, but in hot water systems. 3 more people contracted the disease, 2 of which died. David then became a member of the now known Health Protection Agency and has investigated outbreaks of Legionnaire's disease not only in the UK but throughout the world. He has given many lectures on the subject to include keynote speeches, lectures to PhD level etc. David is a court expert witness and has been on the radio and television not only in the UK but abroad. He has also written many papers which have been published on the subject. David has also been involved with Sick Building Syndrome or as it is sometimes known Building Related Illnesses problems, and in the early days Aids and HIV. David is known as the leading authority on Legionnaires' disease (engineering wise) not only in the UK but abroad and is called upon many times to help out in investigations and to give advice to people who are carrying out investigations within their buildings. Whilst at Kingston District General Hospital he was asked to write a paper to outline the Engineering Implications of Legionnaires' disease in building situations, this is what is now known as the Approved Code of Practice for Legionnaires' disease in building water systems, the L8 document. David also contracted the disease and was treated at his own hospital, Kingston District General.