Legionella Awareness Training

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Social housing / Legionella control
Agenda

• Legionnaire’s disease
• Legal issues
• Risk assessment
• Management
• Monitoring
• Examples
• Questions
Legionnaire’s disease

- Form of Pneumonia
- Fatal in 12% of Cases
- Caught by breathing in Legionella bacteria present in water aerosols
- All water systems present a risk
Legislation

- The Health and Safety at Work Act 1974
- The Management of Health and Safety at Work Regulations 1999
- Control of Substances Hazardous to Health 1988
- Health and Safety Offences Act
- Corporate Manslaughter Act
Legislation

- The Approved Code of Practice L8
  “Legionnaires’ Disease: The Control of Legionella bacteria in water systems”
Risk Assessment

- Review every 2 Years or when a significant change to the system.
- Sets up the management required, including remedial works and documentation.
Management

• Management structure
• Responsibility
### Routine Monitoring

- Tasks required

<table>
<thead>
<tr>
<th>Task</th>
<th>Frequency</th>
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<tbody>
<tr>
<td>Flushing of infrequently used outlets</td>
<td>Weekly</td>
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<tr>
<td>Temperature monitoring</td>
<td>Monthly</td>
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<tr>
<td>Flow and return temperature monitoring</td>
<td>Monthly</td>
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<tr>
<td>Shower cleaning</td>
<td>Quarterly</td>
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<tr>
<td>Tank temperature readings</td>
<td>Six Monthly</td>
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<tr>
<td>Tank inspections</td>
<td>Annually</td>
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<tr>
<td>Blow down of cylinders</td>
<td>Annually</td>
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Management Records

- Traditionally paper based
- All records must be kept for 5 years
- E-logger offers electronic storage and issue management
Edinburgh outbreak June 2012
101 cases either confirmed or suspected and 3 men died.
What B&ES says

More needs to be done to combat Legionnaires outbreaks like the one in Edinburgh, the Building & Engineering Services Association (B&ES) said.

The Edinburgh outbreak, in which 3 men died, indicates that poor maintenance regimes or complacency are still too prevalent in Britain’s public buildings and other large complexes, according to the B&ES.

On average there are around 300 reported cases of Legionnaires’ disease each year in the UK and when clusters of cases occur they can typically be traced back to poorly maintained cooling tower systems, air conditioning plant or hot and cold water systems in offices, factories, hotels, hospitals and other larger establishments.
What B&ES say

• Deaths from Legionnaires’ are not uncommon with one of the more tragic outbreaks happening in 2002 in the town of Barrow-in-Furness in Cumbria. The result was the deaths of seven members of the public with another 180 people taken ill.

Blane Judd, chief executive of the B&ES, formerly called the Heating and Ventilating Contractors’ Association, said a regular programme of inspection and maintenance of air-conditioning, water-holding and water supply systems is essential if future deaths from Legionnaires’ are to be avoided.
What B&ES say

• Legionnaires’ disease is a potentially fatal form of pneumonia but it is possible to significantly reduce the risk of creating the conditions in which the legionella bacteria thrive by taking important measures such as a programme of regular inspection and maintenance of susceptible plant and equipment, including regular cleaning and disinfection.
Cold water storage tank
Questions?
“The Science of Compliance”