



CLUBHOUSE: INFORMATION / ASSESSMENT FOR LEGIONNAIRES (LEGIONELLA) DISEASE

David Weston, Retired Secretary of Enmore Park GC, provides information about the risks of Legionnaires Disease.

August 2010 *(reviewed October 2012)*

Legionella

It is a Bacteria found in water. It is responsible for causing Legionnaire's Disease, which has flu-like symptoms but in the young and old may cause serious illness or even be fatal.

Temperature

Affects the survival of Legionella are as follows:

- ☹ At 60°C (140°F) - Legionella dies instantly - pasteurisation occurs.
- ☹ At 55°C (131°F) - 95% of Legionella die
- ☹ 50-55°C (122-131°F) - They can survive but do not multiply
- ☹ 35-46°C (95-115°F) - Ideal growth range
- ☹ 20-50°C (68-122°F) - Legionella growth range
- ☹ Below 20°C (68°F) - Legionella can survive but are dormant, even below freezing.

There is a Low Risk to Members and Staff using the Showers as the principal risk is by inhaling fine droplets of water containing the disease as the hot water supply is controlled thermostatically at a temperature >60°C. There is a very low risk from drinking cold water.

Development

It is likely only if stagnant water experiences a marked temperature rise within the growth range specified above. The water supply is in almost constant use.

<u>Hot Water Supply</u>	<u>Risk</u>
Thermostatically controlled secondary Loop system	Low
<u>Air Extraction</u>	Low
(other source – add details)	

Risk Reduction

Allow shower to reach hot before reducing the control valve to "comfortable" showering temperature.

Air Extraction Systems

These discharge above roof level

There is a LOW risk.

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