



The Control of Legionnaires' Disease in Evaporative Coolers

Background

It is estimated that there are 20 million evaporative cooling systems in the Western world. There has never been a documented case of Legionnaires' disease associated with a wetted media evaporative cooler. Legislation in the United Kingdom is more stringent than anywhere else in the World. Work Space Cooling has developed the equipment and systems to comply with this legislation in a practical and relevant format.

Specific Legislation Relating to Legionnaires' Disease

In addition to the Health and Safety at Work Act (HSWA), the Control of Substances Hazardous to Health Regulations (COSHH) and the Management of Health and Safety at Work Regulations (MHSWR) the HSC produce an **Approved Code of Practice (ACOP) Legionnaires' Disease: The control of legionella bacteria in water systems L8**.

It is the legal duty of employers and the responsibility of the managers of premises to comply with the above.

Compliance with Legislation: The steps required in fulfilling statutory duties are:

- Completion of a Risk Assessment
- The preparation of a scheme for preventing or controlling the risk
- Implementation, managing and monitoring of precautions
- Maintenance of records
- Appointment of a responsible manager

EcoCooling Approach

Evaporative Cooling System Design: The design of all EcoCooling installations takes the ACOP guidance into account. This includes the following which would not normally have been included on an evaporative cooling system:

- A water treatment system
- A process control system minimising build up of potential contamination
- Materials of construction which are corrosion resistant

System Management: Work Space Cooling provides all clients with the following:

- A fully documented risk assessment package
- Training for Site Management
- A prevention and control system for water management and equipment care based on the following principles

