namifacturer's

instructions

As part of

down

## 5.6 Legionella







Legionnaires disease is a potentially fatal form of pneumonia which principally affects those who are susceptible due to age, illness, immunosuppression, smoking etc.

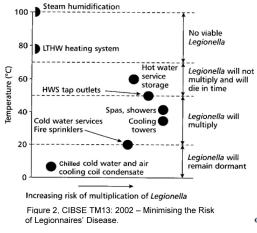
HSE Approved Code of Practice (ACoP) L8: Legionnaires' Disease — The Control of Legionella Bacteria in Water Systems applies to plant and water systems which may present a particular risk potential by releasing a spray or aerosol during operation or when being maintained.

Relevant water based systems include but are not limited to:

- Water systems incorporating a cooling tower or an evaporative condenser.
- Hot and cold water systems.
- Other plant and systems containing water which is likely to exceed 20°C and which may release a spray or aerosol during operation OR during maintenance.
- · Humidifiers.
- Air washers.
- Spa baths and Pools.
- Car / bus washes.
- Wet scrubbers.
- Fountains and Water features (Indoor and Outdoor).
- Sprinkler and hose reel systems.

## Roles and responsibilities

The design engineers should support the Client in developing guidance including design and operational intent. HSE ACoP L8 requires the owner to appoint an operations manager who should ensure that all responsibilities are clearly defined and formally allocated. The owner is also responsible to ensure that control procedures are carried out to the standard required to prevent the growth of legionella bacteria.



Checklist 3: Other risk systems Ultrasonic humidifiers/foggers Checklist 2: Hot and cold water services

	Service		Task		Frequency	nisk assessment
Hot water services Recommended inspecti			Arrange for samples to be taken from hot		Annually	As indicated by risk assessment
systems					Monthly	Six monthly
Checkdist 1: Cooling water installations					Monthly	Weekly
System/service		Tesk		Frequency		
etraperative canadescents and		blookfor water quolity, water one and blookforbensied are to assess and ensure effectiveness of water towasses regime, including key chemical and microbiological parameters, and observations of internal condition of penal, pack and water.  Central control function.		See Table 1 Mouthly to three	Anmally	As secommended by manufactuser
						Six monthly or more frequently if recommended by manufacturers
					Six monthly	
		conductivity or blowdown free water distribute	neor calibration, tion, uniformity of on, condition of	muntilly, according to tisk (See Table 1)		As directed
		sprays/trangles.	climinators, pack,		Monthly	
		second attenuat				Sex monthly
		Client and deimited cooling toward/responsive condenses, male-up trade and associated systems, including all weeks surfaces, describing as seconcer, Parks should be removed and cleaned where practicable		Sis. monthly	Annually	Daily
						Three times daily
					Quarterly or as necessary	
		used outlets	Flush through and	purge to drain, or purge dy before use, without	Weekly	Weeldy
			to drain immediat release of aerosols			Annually
			NAME OF POST OF POST OFFICE AND POST OF POST O		wasseg or severency	
			Dental equipment	pment Drain down and clean		At the end of each working day
			Canbus washes	Check filtration and to clean and disinfect syst		See manufacturers' instructions
			Indoor fountains and water features		ig all wetted	Interval depending on condition

If equipment fitted with UV lights, check to ensure effectiveness of lump (check to see if within working life) and clean filters

Ensure automatic purge of residual water is

Appendix 1, HSC - Legionnaires' Disease, The control of legionella bacteria in water systems. Approved Code of Practice and Guidance.

