

Obligations of ACoP L8 & HSG274 part 1

We draw your attention to the requirements of the HSE's Approved Code of Practice ACoP L8, and guidance note HSG274 part 1. These carry special status under the Health and Safety at Work etc. Act 1974

Requirement-Cooling Systems

1. Appoint a responsible person
2. Detail lines of communication
3. Undertake a Legionella Risk Assessment-and review regularly
4. Create a written scheme of control
5. Implement a control scheme that should as a minimum include the below

RECOMMENDED TESTING & MAINTENANCE PROGRAMME

PERIOD	COOLING WATER	MAKEUP WATER
WEEKLY	Oxidising Biocide (ppm) Conductivity (µS) pH Microbiological activity * Check Control Equipment	Good practice dictates, rather than HSG274 part 1 Hardness (CaCO ₃ ppm) (If a water softener is used)
MONTHLY (in addition to those above)	Concentration Factor Hardness (CaCO ₃ ppm) Total Alkalinity (CaCO ₃ ppm) Total Iron (Fe ppm) Chloride (Cl ppm) Inhibitor (ppm) Calcium Balance (if applicable) Observation of Pond, Pack & Water Conditions	Hardness (CaCO ₃ ppm) Conductivity (µS) Chloride (Cl ppm)
QUARTERLY (in addition to those above)	Temperature (°C) Legionella (cfu / l) Inspect and then Clean & Disinfect as required for a system in a dirty environment	Total Alkalinity (CaCO ₃ ppm) pH Microbiological activity * Total Iron (Fe ppm)
SIX MONTHLY** (in addition to those above)	Inspect and then Clean & Disinfect as required for a system in a comfort cooling environment, this can be extended to annual if the system is known to be 'clean', but may be reduced in a dirty environment to quarterly as above	

Notes:

- * Dipslide (incubate 48hrs @30°C) or Total viable count cfu/ml
- ppm is equivalent to mg / l of water
- ** Note the inspection required quarterly/six monthly or annual should include:
 1. General System Condition
 2. Heat Exchanger
 3. Cooling Tower Distribution System
 4. Drift Eliminators
 5. Cooling tower pack
 6. Fill pack supports and internal structures
 7. Fill baskets and tie rods
 8. Cooling tower base tank (or pond) and other sumps

We also draw your attention to the COSHH regulations and the Management of Health and Safety at Work Regulations-as these also apply to legionella management.

In addition you have a requirement to register any cooling system/evaporative condenser with the local authorities under the Notification of Cooling Towers and Evaporative Condensers Regulations.

Please note that while we maintain all records of the works and testing SPX Cooling Technologies UK Ltd undertake, you are responsible for maintaining your records of the works, and copies of job reports, testing certificates SPX Cooling Technologies UK Ltd issue.

The Clients Obligations under ACoP L8 & HSG274 Part 1 together with the SPX Statement of Compliance and a copy of our LCA Registration Certificate can be found by following the link below:

<http://www.spxcooling.com/library/detail/lca-certificate>

We confirm that SPX Cooling Technologies UK Ltd. has the LCA membership for the service category provided.