



Water Hygiene Treatment Services

Also see: Technical Bulletin 8: 2015 - Legionnaires' Disease and
Water Hygiene Responsibilities

Technical Bulletin 7: 2015

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Healthy and Compliant Water Hygiene Treatment

We have been delivering water hygiene treatment services for many years. We continually strive to appraise and improve our performance and, where appropriate, secure efficiencies without compromising on quality standards.

We recognise that investment in the Continued Professional Development of our staff is paramount to our success.

We aim to provide our customers with the peace of mind that they are complying with all statutory regulations in: protecting the environment; caring for the health and safety of employees and the communities in which we live.

Health & Safety at Work Regulations

The Management of Health & Safety at Work Regulations 1999 imposes a duty on every employer to make a suitable and sufficient assessment of:

- (a) the risks to the health and safety of their employees to which they are exposed whilst they are at work, and...
- (b) the risks to the health and safety of persons not in their employment arising out of or in connection with the conduct by the employer of their undertaking.

The Corporate Manslaughter and Corporate Homicide Act 2007 places a much greater responsibility and business risk on organisations in terms of the consequences of health and safety compliance failure.

Every building with 5 or more employees must have a water hygiene risk assessment – these must be carried out every two years. They are 'live' documents that must be up-to-date in recording relevant changes.

- Prepare, implement and manage a scheme for preventing or controlling risk – appointing a person to be responsible (to be referred to as the 'responsible person').
- If appropriate, notify the local authority that you have a cooling tower(s) on site.

As an employer or a person in control of the premises (e.g. a landlord), you must:

Code of Practice / Compliance and the Law

A code of practice is not in itself 'the law' and following the guidance is not compulsory, unless stated, and you are free to take other action. However, if you do follow guidance you will normally be doing enough to comply with the law. Health & Safety inspectors seek to secure compliance with the law and may refer to this guidance. Each of these regulations is accompanied by an approved code of practice ('ACOP') which gives guidance on how compliance with the regulations can be achieved.

*Regulatory **compliance** describes the goal that organisations aspire to achieve in their efforts to ensure that they are aware of and take steps to **comply** with relevant **laws** and regulations.*

Water Hygiene Products & Services

Cleanliness, water quality and microbiological protection are essential factors in the safe operation of engineered water systems.

As specialists in the field of water hygiene, Jasun Envirocare provides traditional methods of remedial works, such as: cleaning, disinfection and refurbishment of commercial water systems but also utilises innovative 'Continuous Control Systems'.

All our systems and practices are designed to meet specific site requirements for the full range of commercial, industrial, leisure and healthcare premises. All of our working methods and control systems fully comply with current codes of practice and BSRIA guidelines.

Refurbishment works relating to cold water storage tanks and down-water systems, including: re-coating services; installation of rodent and insect screens; pipe work modifications to avoid stagnation; and total tank replacements... are carried out in compliance with the water supply regulations and to ACOP L8, as a minimum requirement.

We use chemical products that include environmentally friendly biocides and neutral pH cleaning / flushing agents suitable for use within older systems, which are available to maximise the cleanliness and efficiency of water systems.

Services in Detail

- Planned analytical service visits at agreed intervals
- Water analysis by an independent UKAS accredited laboratory for all water bourn microorganism including Legionella, Pneumophila and other species
- Pre-treatment plant servicing and disinfection of softener resin beds.
- Clean and chlorination of water storage tanks and chlorination of associated services.
- Calorifier monitoring and disinfection
- Hot and Cold water monitoring and inspection services
- Legionella risk assessment and schematic drawings
- Water hygiene monitoring, log book design and reporting
- Minor pipe and plant alterations and Boiler Treatment
- All remedial works relating to tank liners, replacement tanks, water softeners and pipe work alterations to Bylaw 30 standards
- Pre-commission cleaning, biocide washing and dynamic flushing of closed systems BSRIA.
- Pre-commission cleaning of pipe work systems
- Post-treatment of closed systems
- Addition and monitoring of inhibitors of LPHW and chilled water systems
- On-site water analysis and hardness testing

- Supply and installation of water softeners and filtration
- Water treatment chemicals

Pre-Commission Flushing

- Jasun Envirocare carries out all works on new systems in accordance with BSRIA BG 29 2012. Flushing, Chemical Cleaning and system stabilisation is required for heating, chilled and condenser circuits. The chemicals used are considered to be the most effective available and have been in practical use in these types of systems for some years.
- When existing systems are found to be fouled by corrosion, scale or debris resulting from lack of or incorrect treatment, we offer an on-line cleaning programme. It is the company policy to use non-aggressive chemical cleaning technology in conjunction with the flushing and inhibiting procedures used in pre-commissioning cleaning

De-scaling Works

- De-scaling of water systems such as boilers, calorifiers and water heaters is sometimes required. In most cases we use a chemical dosing rig that is fitted to the flow and return pipe work to ensure acid is circulated throughout the system and that all scale is removed.

Services in Detail Continued

Dosage & Control Equipment

- A full range of electronic dosing pumps, steam boiler dosing, inhibitors, biocide dosing chemicals and closed system dosing pots.

Pre-treatment Plant

- Water softeners - from small size up to large duplex industrial plants
- Reverse osmosis plants
- Dealkalisation and Demineralisation plant
- Filters of various types for a variety of applications such as closed system side stream filtration.

Testing Equipment

- A full range of chemical testing equipment and reagents is available for all water treatment monitoring applications.

Chemicals

- Full range of boiler water treatments
- A selection of treatments for closed heating and chilled water systems
- Chemical products for pre-commission cleaning of various types of system

Our Expertise & Services

- We have over 40 years experience of delivering high quality hygiene services.
- Our directly employed engineers are fully trained and qualified to provide the very best in Filter Manufacture and Air & Water Hygiene Services.

Our Accreditation

Our determination to be at the forefront of our industry means that we seek validation of our working practices and quality standards from all relevant accreditation bodies and agencies.



We are accredited by BSI to ISO 9001, ISO 14001 and to OHSAS 18001.

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