

Water



Water

Water, water everywhere but not a drop to drink.

From the time of the Ancient Mariner and before water quality has been recognised as of critical importance. From drinking to process uses correct management of water will deliver significant operational benefits and safeguard against adverse health effects.

Drinking Water

With health experts recommending that we should each drink over 1 litre of water per day the quality of this water is of concern to us all. Covered variously by EC Directives and local regulation stringent limits for acceptance are placed on the quality of water deemed fit for consumption. The Health Safety and Welfare Regulations provides that a supply of drinking water should be made available in the workplace. The responsibility for ensuring the quality of this water once delivered to site will usually rest with the employer but, whether this be bottled or tap water, many factors can adversely impact on quality.

Vending Machines

Present in many workplaces vending machines require intensive levels of cleaning to maintain hygienic standards. Past history has shown that poor cleaning of vending machines can often lead to poor water quality and occasionally cause illness.

First Environment provides an independent evaluation service of the hygienic condition of vending machines, including review of contractor procedures and routine reassurance monitoring.

Domestic Water Systems

From source, be that from a water undertaker or private supply, to the point of use water quality should be preserved as far as possible throughout the water system. Design elements should take into account appropriate storage volumes, the requirements of The Water Fittings Regulations and other relevant guidance, with a view to safeguarding both the microbial and chemical quality of water to the point of use.

First Environment provides an independent evaluation service for domestic water systems identifying all points of use, compliance with guideline requirements and reassurance monitoring.

HVAC & Process Water Systems

The unique properties of water and its availability has led to its widespread use for process systems and heat transfer. Applications such as heating water systems, cooling tower systems, car washes and humidification systems are all examples where water management controls are required. Water has never been a 'no cost' utility, but with marked increases expected in water charges the identification of the cost of water used and options for its conservation are now of much greater importance.

Legionella Control

With the potential to infect large numbers of people over a wide area, outbreaks of Legionnaires' Disease from cooling towers receive a high media profile and highlight the need for adequate control. The source of the majority of Legionella infections, however, are not cooling towers but standard domestic hot and cold water services present in most commercial, industrial and public premises. Shower outlets, spray taps and standard tap outlets all present a risk if the supply water system presents the conditions for Legionella bacteria to be present and multiply.

First Environment Provide

First Environment provides the technical expertise to assist client organisations to implement management solutions for all aspects of their water systems. Including

- Review of drinking water service arrangements and investigation of taste complaints.
- Identification of areas for improvement and conservation in water use.
- Advice in selection of the correct treatment technology.
- Programme design and specification.
- Preparation of policy documents and record systems.
- Legionella risk assessment.
- Analysis and investigation.
- Independent monitoring and audit.

As an independent company First Environment is able to consider all available options and assist our clients in implementing the most appropriate water treatment programme for their location.



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