City & Guilds | Accredited Programme

Legionella Training: Sampling
(HXT-W19) City & Guilds Accredited Programme

Course Overview:

Is Legionella sampling required?

HSG274 and HSG282 recommend routine legionella sampling be undertaken as part of the checks on the effectiveness of control regimes in cooling towers, evaporative condensers and spa pools, as well as in some hot and cold water systems and other risk systems-

This course will review why you should sample your water systems in the first place. It then goes on to highlight the nature of pathogens , the safety precautions you need to consider before you start, what equipment you'll need, different sampling techniques that can be used, how to produce a sampling plan , the different techniques used and the value of regular dipslide testing and concludes by explaining how to send your water samples to the lab and the information you'll need to include.

Is This the Right Course for You?

This course has been designed to provide knowledge and develop the skills required for effective legionella management, including cooling systems, in-line with the ACoP L8 and HSG 274.
If you are responsible for managing and maintaining the safety of a water system, you should know that taking water samples for legionella testing can be an essential part of the risk management process. Each water system must be risk assessed for safety, so appropriate measures can be taken to reduce the risks posed by Legionella bacteria.

Testing water samples is, therefore, a good way to make sure all relevant measures are working as they should. It can also provide crucial information should an outbreak of Legionnaires' disease occur. Of course, regular monitoring, maintenance, and testing should all combine to ensure that the risk of an outbreak is kept as low as possible.

How Long Does This Course Take?

- This is a 1 day course and is delivered in a classroom environment. Alternatively, this course can be delivered on-site at your premises (subject to a minimum number of delegates)
- The course is also an ideal first introduction to legionella for those wishing to delve deeply into legionella control

When Will You Get Your Certificate?

Successful candidates will achieve an electronic City & Guilds Accredited certificate in Legionella Training: Sampling. The certificate should be refreshed every 2 years.

City & Guilds | Accredited Programme

We will teach you to…	So that you will be able to…
1. Understand the nature of Pathogens	Understand that pathogens are infectious agents, such as a bacterium, virus, fungus or parasite, that cause disease when they colonize a host organism.
2. What caused the 1976 outbreak of Legionnaires disease?	Understand why this finding prompted new regulations worldwide for climate control systems
3. Introduction to the bacterial	Understand that where there is water and the conditions of creating water droplets (aerosol), people using or within the area of these services may be at risk.
4. Symptoms of legionnaire disease	The symptoms of the disease and what to look out for
5. A guide to the legislation surrounding the control of the bacteria	The legal and guidance duties which is used to control the bacterial
6. Disinfection procedures	The use of biocides and temperatures in relation to legionella control and there limitations
7. How to write and implement a sampling plan	Reasons why a sampling plan should be put in place detailing the sampling locations and the type of sampling to undertaken,
8. Sampling Techniques – to include Aseptic Sampling	Taking samples correctly (Aseptically) to minimize the cross contamination of the sample
9. How to identify correct sampling points	The rational and reason behind a sample point and the role this location plays in the legionella control scheme
10. Sample Integrity – Sample Details and HTs	Correct way to insure a sample arrives at the laboratory & traceability of the sample should a sample go astray
11. *Legionella* Test Methods	Understanding the results and the test methods used
12. Dipslides – correct procedures	The learner understands the importance of the testing – the correct method and interpreting the results they - after
13. Sampling – POU Filters?	Reason we use filterers , were to fit them and to maximises their effectiveness