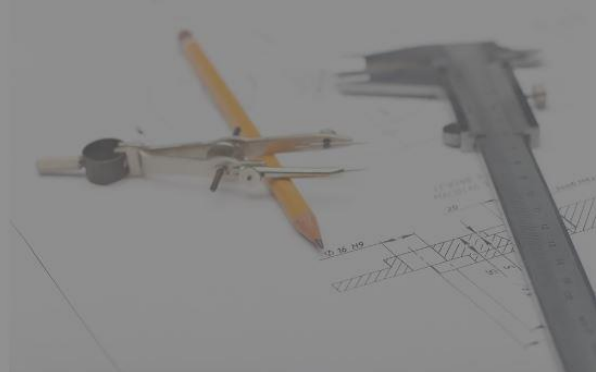


Water Safety: Design Control Training Role of the Authorised Person



Course Overview

This course is aimed at those responsible for managing new build projects / development or the refurbishment of existing buildings, from the concept and design stage through to completion.

The course is accredited with CPD and recognised by ILM, part of the City & Guilds Group.

Why have we created such a course....? Problems and issues reported with new buildings or refurbished buildings and their water systems.

For far too long the lack of Project Manager engagement with the Water Safety Group [WSG] on new projects, the increasing number of projects which are being handed over to the operational estates team and clinical teams with fundamental flaws that need to be addressed with little or no involvement with designers or builders. Finally, BS8680 Water Safety Plans has placed a huge emphasis on the need for engagement with WSG and service users, accountability, specification, risk assessment, and competency of all those in projects.

The term 'water safety' includes those risks from biological, physical, chemical, and radiological hazards. The approach to managing these risks will depend on the type of organisation, the types of water risk systems, and the susceptibility of those who are exposed.

This course will provide an understanding of 'water safety' risks associated with Legionnaires' disease, *Pseudomonas aeruginosa* [Pa], and Scalding. The course covers ACOP L8 and HTM04-01 guidance to ensure proactive management is established, overlaid with BS8680 code of practice for Water Safety Plan [WSP], and will then focus on the key design stages that need to be considered, these will be outlined including examples of projects and their issues to demonstrate that there are lessons to be learnt!

It needs to be made very clear that this course is not about how to design water systems, disinfection processes, or detailed commissioning – this course is about getting it right at the design stage through engagement, risk assessment, and clearly defined stages of a project.

-  Duration: One Day
-  ILM Certification
-  Certificate of Attendance
-  Marked Assessment
-  Group or Individuals
-  Q&A Session included
-  Refresh every 3 Years
-  PO & Cards accepted

Who should attend?

This course is aimed at those Project Managers who are involved in the management of new projects [big or small] to provide them with a grounding in the basics of water safety and the standards that are required to achieve a compliant water system.

The course will provide an overview of what 'water safety' includes / means, as well as the background to regulations, guidance, and standards to be achieved for the safe operation of water systems and associated plant/equipment/assets. Further supported with an overview of each step of a Water Safety Plan Design Control standard with examples of how projects have been poorly managed and constructed.

What prior knowledge should delegates have?

Essentially no prior knowledge is required for attendance on the course. However, those individuals attending would expect to have some experience and background in water safety. It is strongly advised those attending with no previous knowledge or training have read the following documents to help with the learning on the day of the course. It would be beneficial for those with previous knowledge to have read these documents as well!

1. [5 top tips for water hygiene management](#)
2. [Who can be appointed as an RP, DRP, AP or CP?](#)
3. [The Water Safety Group, explained...](#)
4. [Controlling the chain of infection](#)
5. [FAQs around water hygiene and waterborne pathogens](#)

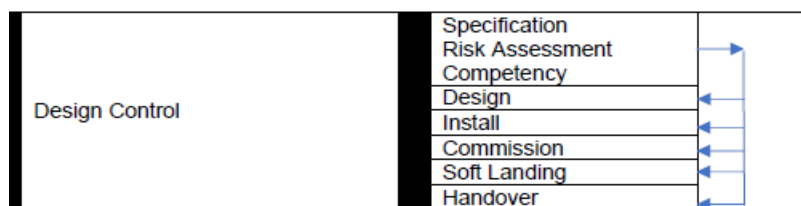
The delegates are required to complete an 'Assessment of Knowledge' pre and post each module to identify if there has been a change in their knowledge of the elements covered in the module.

What will the delegates learn?

- Legionella
 - Origin of the bacteria and history of the disease.
 - Ecology of the bacteria [growth and proliferation] within water systems.
 - Susceptibility, symptoms, diagnosis, treatment, and cases of disease/outbreak.
- Scalding
 - Temperature control/regulation.
 - Those most susceptible and the need for comparative risk assessment.
- *Pseudomonas aeruginosa*
 - Origin of the bacteria and recent cases.
 - Ecology of the bacteria [growth and proliferation] within water systems.
 - Susceptibility – augmented care, symptoms.
- Legislation and guidance – HSE ACOP L8, HSG274, S/HTM04-0.
- Examples of outbreaks and prosecutions and the lessons which can be learned.
- The meaning of a WSP, taking the latest guidance from BS8680 and projecting what needs to be considered for inclusion and who should be developing and reviewing.
- The role and responsibilities of the Authorised Person – Design.
- Water Safety Groups [WSG], the benefits of this collective of professionals who have a collective responsibility for managing water safety risk. This includes the need for Design Professionals to be involved for the WSG to approve projects in an attempt to get projects right at the design stage.
- The need for the development of a 'design control' element to the organisations overall WSP and the content.
- The need to ensure the competency of all those involved in any project.
- Understanding of design standards and preferences including the correct methods for disinfection and sampling [ensuring contractor's documentation is correct].
- Retaining designers and builders post-handover through a soft landings approach.
- Evidence of how projects have and do go wrong.

Course Agenda

- Module 1:
 - Background to Legionella / Scalding / *Pseudomonas aeruginosa*.
 - Who are the most susceptible?
 - Proven and frequent sources of LD / Pa.
 - Ecology of waterborne pathogens.
 - Control strategies for managing water safety risk.
- Module 2:
 - Law [Health & Safety at Work etc. Act 1974, Health & Social Care Act 2008].
 - Regulations [MHSWR, COSHH, RIDDOR, WATER REGS].
 - Guidance [HSE ACOP L8, HSG274 Parts 1, 2 & 3, *HTM04-01 Parts A, B, C, S/HTM04-01 Parts A to G
 - Best Practice [Health Building Notes & British Standards].
 - Prosecutions examples and lessons learnt.
- Module 3:
 - Understanding parts of a WSP / Design Control document and the involvement of the WSG at each stage.
- Module 4:
 - Lessons to be learnt from real-life experience of projects, including poorly designed, installed, and commissioned projects and the implications of such instances including the lifelong effect on water systems.



What are the learning outcomes for the course?

There are four aims of the course:

1. Provide delegates with a thorough understanding of 'water safety' and the risks posed;
2. Provide delegates with a broad understanding of applicable regulations, guidance documents, and standards;
3. Enable delegates to review/establish their own water safety plans;
4. Provide delegates with various exercises, mini audits, and resources to aid in their understanding and potential degree of compliance.

To help achieve these 'aims' each module has set learning objectives, which will be used in the written assessment, to help the delegates with their learning.

How will the learning outcomes be assessed?

Confirmation of learning is sought throughout the course delivery using a variety of learning methods including:

- Pre-Course Personal Assessment – delegates are required to record 3x personal learning objectives.
- Assessment of Knowledge – the delegates are required to complete an 'Assessment of Knowledge' pre and post-each module to identify if there has been a change in their personal knowledge of the elements covered in the module.
- Post-Course Personal Assessment – delegates are required to confirm if their 3x personal learning objectives have been achieved.
- Write a reflective statement on their learning experience.
- Workshops and Individual Exercises – designed to enhance the learning experience and support all learning styles.
- Written Assessment Paper – questions to be answered 'open book' using their delegate's manual and their own notes taken throughout the day. The written assessment is completed at the end of the course

Course Delivery

The Water Hygiene Centre Responsible Person training can be delivered by our consultants in the following ways:

- **In-house** – Your tutor will deliver your training at your premises, reducing the cost and time of travel and enabling all staff to be present onsite. We require a minimum of 8 delegates and a maximum of 16 delegates. POA.
- **Open Training** – Tutors will deliver your training using Microsoft Teams on a date organised by the Water Hygiene Centre. This is ideal for organisations that have a small number of individuals to train. A full list of dates available can be viewed on our website by [clicking here](#). Price starts from £350 + Vat / delegate.

Equality of Access

Any delegate assessment should be a fair test of their knowledge and the skills they have obtained, however, for some delegates, the usual format of assessment may not be suitable. The Water Hygiene Centre is committed to making sure individuals with special educational needs, disabilities, temporary illness or injury or other adverse circumstances outside their control are not unfairly disadvantaged when undertaking written assessments.

To remove barriers that prevent delegates from undertaking assessments, reasonable adjustments may be made, and special consideration may be given. These arrangements ensure that a delegate can undertake assessments on a fair and equitable basis, and they allow the delegate to receive recognition of their achievements while ensuring the integrity, validity, and reliability of the assessment is maintained.

The Water Hygiene Centre will ensure they do not unfairly exclude the assessment needs of a particular learner by applying:

- Reasonable adjustment – applied for and agreed before the training course commences.
- Special consideration – given during or within 5 working days of any assessment for reasonable adjustments to be made. A reasonable adjustment aims to reduce the negative impact of a disability (as defined by the Equalities Act 2010). The objective is that a delegate with a disability experiences no substantial disadvantage to a delegate who does not.
- Reading the questions to the delegate and/or writing down their answers. Note: this must be carried out after all other delegates have completed their assessments and these have been collected. The arrangement must be conducted for the duration of the assessment (e.g., from start to finish).
- Allowing delegates to use a bilingual dictionary if English is not their first language. In some cases, reasonable adjustments may not be permitted due to published legal criteria.

