



HYDROP | Independent Consultancy Practice

Specialists in the Management of Legionella and Water Quality



Training Courses

Our Accredited Courses



ILM's Development Programmes add value to bespoke leadership and management training by providing industry-wide recognition which highlights the latest thinking and practice in workplaces across the world, without altering the programme content or delivery.



City & Guilds are a global leader in skills development, providing services to training providers, employers, and trainees across a variety of sectors to meet the needs of today's workplace. Its qualifications and apprenticeships are valued by employers across the world, helping individuals develop their talents and abilities for career progression.



The CPD Certification Service helps organisations provide certified Continual Professional Development and acts as a point of contact for those seeking to obtain certified CPD material. It supports further learning initiatives being undertaken by the Government, professional institutions, trade associations, individual organisations, training providers, suppliers etc.

Course	Accreditations	Bespoke Training Available
Legionella Risk Management – Responsible Persons' Training (ILM Development Programme (B001))		✓
Legionella Risk Management – PPM and Log Book Management (ILM Development Programme (B001))		✓
Legionella Risk Management – Project Management (Capital Works) (ILM Development Programme (B001))		✓
Legionella/Water Quality Risk Management – Responsible Persons' Refresher		✓
Legionella/Water Quality Risk Management – Departmental Management Responsibilities		✓
Legionella/Water Quality Risk Management – General Awareness		✓
Pseudomonas aeruginosa Risk Management – General Awareness		✓
Legionella/Water Quality Risk Management – Risk Assessment Management		✓
Legionella/Water Quality Risk Management – Usage, Evaluation & Flushing		✓
Legionella/Water Quality Risk Management – Sample Collection Methodology Training		✓

Bespoke Training Courses and Workshops

We can tailor a course syllabus and training delivery to your unique requirements



Whilst all our courses are accredited to key industry bodies (ILM, City & Guilds, CPD) **we also offer courses designed to your requirements.** This allows us to tailor a course syllabus and training delivery to your unique requirements and ensures that training **meets the specific needs of your business and team.**

We can also host bespoke training workshops which offer **detailed, practical and relevant guidance on a wide variety of areas and issues.** Our team regularly host complimentary seminars on the management of Legionella, Pseudomonas and Water Quality to groups of key industry members from around the globe.

Legionella Risk Management - Responsible Persons' Training (ILM Development Programme (B001))



“An excellent course. Just what I expect of Hydrop.”

Head of Estates & Facilities

DESCRIPTION:

This course is the highest standard of Legionella Management and Control training that can be achieved and we are the only company in the UK who have been accredited with being able to deliver it.

COURSE INCLUDES:

Test and ILM certification, reading material, refreshments throughout the course, lunch for each of the three days accommodation with breakfasts for three nights (optional), evening meal on the ‘middle’ night, CPD qualifying for 21 hours.

AIMED AT:

Appointed Responsible Persons, their deputies and all other members of staff involved at management Level and contractors.

DURATION:

Three days.

LOCATION:

Hydrop Training Suite/Client Venue.

COURSE SYLLABUS:

- Legislation and Guideline Requirements
- British Standards, Water Regulations, etc,
- Water Safety Group requirements
- Water Safety Plan and Policy requirements
- The role of Estates, Finance, Production, Academic, Leisure, Nursing, Infection Prevention and Control, Medical Physics, Domestic Facilities and Capital Planning departments in the Management and Control of risks associated with Legionella and *Pseudomonas aeruginosa* contamination
- Specific role and task requirements of Departmental Responsible Persons and their Deputies and the Authorising Engineer (Water)
- Specific role and task requirements of Service Providers (PFI), Service Level Agreements (SLA), Contractual requirements and Contract Management
- Specific operational requirements of the Legionellosis Management & Control Programme of your site
- Inter-departmental communication
- Risk Assessments
- Primary control measures - Temperature, Chlorine dioxide, Copper/Silver Ionisation, UV, etc
- Guideline Requirements for carrying out *Pseudomonas aeruginosa* Risk Assessments and microbiological surveillance
- Design, Installation and Commissioning
- Water Treatment and system disinfections
- Usage Evaluation and Flushing
- User/Patient Management
- Medical Equipment management
- Point-of-Use filtration requirements
- Pre-planned Maintenance
- Reporting and Logging
- Contingency Management
- Staff Training Requirements
- Governance auditing
- Crisis Management
- HSE investigations and litigation
- Legionella, *Pseudomonas aeruginosa* and water borne organisms - The causative organism
- The diseases caused by Legionella and *Pseudomonas aeruginosa*
- Life cycle and associated environmental viability requirements of the causative organisms
- Training methodologies and information sharing

Legionella Risk Management - PPM and Log Book Management (ILM Development Programme (B001))



“It was all very interesting. The training materials, knowledge and training method were all great”

FM Service Delivery Manager

DESCRIPTION:

This course is the most advanced specific level of training currently offered in the UK and delivered exclusively by Hydrop accredited trainers. The course is designed specifically to enable candidates to exercise sufficient Risk Management of Legionnaires’ disease across their organisation.

COURSE INCLUDES:

Test and ILM certification, reading material, refreshments throughout the day, lunch on the day.

AIMED AT:

Operatives involved in the monitoring and maintenance of plant and equipment.

DURATION:

One day.

LOCATION:

Hydrop Training Suite/Client Venue.

COURSE SYLLABUS:

- Legislation and Guideline Requirements
- The Disease
- The causative organism
- Life cycle and associated environmental viability requirements of the causative organism
- Specific role and task requirements of operatives/tradespersons/etc
- Other departments’ roles and responsibilities
- Specific operational requirements of the Legionellosis Management and Control Programme of your site
- Risk Assessments
- Specific procedural requirements of the Legionellosis Management and Control Programme of your Site:
 1. PPM Programme task specifications
 2. PPM Programme task frequencies
 3. PPM Programme associated logging and reporting requirements
 4. Logging and reporting method of usage and Log Book forms requirements
 5. Usage of equipment
 6. Fault repair and notification
- Reporting and Logging and Required control measures for tanks, calorifiers, distribution systems, showers, thermostatic mixing valves, dental chairs, nebulisers, ice-making machines, air handling systems, process systems, cooling towers and evaporative condensers, wet air handling systems, humidifiers, spa pools and other systems ‘at risk’
- Paper based and Electronic Log Book systems
- Information Pathways Requirements
- Fault Identification
- Fault Management
- Equipment used for monitoring/measurements

Legionella Risk Management - Project Management (Capital Works) (ILM Development Programme (B001))



“The course was well delivered, clear and informative. If nothing else, a real eye opener! Good venue, easy to travel to and well facilitated.”

Project Manager

DESCRIPTION:

Designed to help candidates obtain a high level of knowledge on the implication of their designs and installation/changes to systems on the Management and Control of Legionellosis across the site.

Current statutory legislation requires both ‘management’ and ‘staff’ to be aware of their individual and collective responsibility for the provision of wholesome, safe, hot and cold water supplies, and storage and distribution systems in all premises; through installation and on to maintenance.

COURSE INCLUDES:

Test and ILM certification, reading material, refreshments throughout the day, lunch on the day.

AIMED AT:

Project Managers, Capital Planning Officers and their assistants, Mechanical Engineers, Designers, Installation Engineers and Contractors.

DURATION:

One Day.

LOCATION:

Hydrop Training Suite/Client Venue.

COURSE SYLLABUS:

- The Disease
- The causative organism
- Life cycle and associated environmental viability requirements of the causative organism
- Specific role and task requirements of designers/installers/commissioning engineers/ clerk of works etc
- Other department roles and responsibilities
- Sharing of project information between departments/organisations
- Designing/installing/commissioning tanks, calorifiers, distribution systems, showers, thermostatic mixing valves, dental chairs, nebulisers, ice-making machines, air handling systems, process systems, cooling towers and evaporative condensers, wet air handling systems, humidifiers, spa pools and other systems ‘at risk’
- Commissioning and disinfection processes
- Pre-and post-handover Risk Assessments
- Hand-Over protocols and other requirements
- Information Pathways Requirements
- Fault Identification and Management

Legionella/Water Quality Risk Management - Responsible Persons' Refresher



“The trainer had an excellent broad knowledge of the subject and all questions were answered succinctly and honestly. The content was topical and the facilities were of a very high standard. The course offered an opportunity to network with colleagues within the NHS and other public and private sectors”

Estates Manager

DESCRIPTION:

This one-day refresher course is for individuals who have attended the full three day Legionella Risk Management - Responsible Persons' Training (ILM Development Programme (B001)) two or more years ago. Scientific knowledge and legal/ guideline requirements never stand still and the course is designed to help keep delegate knowledge up-to-date and relevant.

COURSE INCLUDES:

Test, City & Guilds certification, reading material, refreshments throughout the course, lunch.

AIMED AT:

Appointed Responsible Persons, their deputies and all other members of staff involved at management level. Individuals who have attended the full three day Legionella Risk Management course two or more years ago.

DURATION:

One day.

LOCATION:

Hydrop Training Suite/Client Venue.

COURSE SYLLABUS:

- What's new: Legislation and Guideline Requirements, British Standards, Water Regulations, etc,
- Review of Water Safety Group requirements, Water Safety Plan and Policy requirements
- Review of the role of Estates, Finance, Production, Academic, Leisure, Nursing, Infection Prevention and Control, Medical Physics, Domestic Facilities and Capital Planning departments in the Management and Control of risks associated with Legionella and *Pseudomonas aeruginosa* contamination
- Review of the specific role and task requirements of Departmental Responsible Persons and their Deputies and the Authorising Engineer (Water), Service Providers (PFI), Service Level Agreements (SLA), Contractual requirements and Contract Management
- Inter-departmental communication
- What's new: Primary control measures - Temperature, Chlorine dioxide, Copper/ Silver Ionisation, UV, etc
- Guideline Requirements for carrying out *Pseudomonas aeruginosa* Risk Assessments and microbiological surveillance
- What's new: Design, Installation and Commissioning requirements
- What's new: Water Treatment and system disinfections
- Risk Assessments, Pre-planned Maintenance, Reporting and Logging, Contingency Management, Usage Evaluation and Flushing, Point-of-Use filtration requirements
- What's new: Legionella, *Pseudomonas aeruginosa* and water borne organisms - The causative organism and the diseases caused by Legionella and *Pseudomonas aeruginosa*

Legionella/Water Quality Risk Management - Departmental Management Responsibilities



“The trainer was extremely knowledgeable and kept the course interesting by referring to known examples and allowing the team to discuss specific issues together as a group.”

Capital Projects Manager

DESCRIPTION:

This course is specially designed for all members of the Water Safety Group, irrespective of the department that they represent. It allows each member to understand the legal requirements of the Water Safety Group and its members and to allow for a thorough appreciation of the specific requirements of each department including: Estates; Capital Planning; Facilities; Hotel Services; Medical Engineering; Infection Prevention and Control; Nursing; Domestic Management and others.

COURSE INCLUDES:

Test, City & Guilds certification, reading material, refreshments throughout the course, lunch.

AIMED AT:

Appointed Authorised Persons (Management and/or supervisory Level) involved in the implementation of PPM and Log Book systems pertaining to Legionellosis management and control who may also be members of the “Water Management Group”.

DURATION:

One Day.

LOCATION:

Hydrop Training Suite/Client Venue.

COURSE SYLLABUS:

- Legislation and Guideline Requirements
- Water Safety Group requirements
- Water Safety Plan and Policy requirements
- The role of Estates, Nursing, Infection Prevention and Control, Medical Physics, Domestic Facilities and Capital Planning departments in the Management and Control of risks associated with Legionella and *Pseudomonas aeruginosa* contamination
- Specific role and task requirements of Departmental Responsible Persons and their Deputies and the Authorising Engineer (Water)
- Specific operational requirements of the Legionellosis Management & Control Programme of your site
- Inter-departmental communication
- Reporting and Logging
- Staff Training Requirements
- Governance auditing
- Crisis Management

Legionella/Water Quality Risk Management - General Awareness



“All who attended found the course useful, enlightening, and well delivered by a knowledgeable presenter.”

Engineering Manager

DESCRIPTION:

This course offers a basic introduction to Legionnaires' disease Management and Control and aims to provide candidates with a foundation of knowledge to allow them to function correctly and adequately in their role and to be able to attend further intermediate and advanced level modules of this course.

COURSE INCLUDES:

Test, City & Guilds certification, reading material, refreshments throughout the day, lunch on the day.

AIMED AT:

All personnel who will be involved in the Management of Legionella.

DURATION:

One Day.

LOCATION:

Hydrop Training Suite/Client Venue.

COURSE SYLLABUS:

- Legislation and Guideline Requirements, British Standards, Water Regulations, etc.
- Water Safety Group requirements, Water Safety Plan and Policy requirements
- The role of Estates, Finance, Production, Academic, Leisure, Nursing, Infection Prevention and Control, Medical Physics, Domestic Facilities and Capital Planning departments in the Management and Control of risks associated with Legionella and *Pseudomonas aeruginosa* contamination
- Primary control measures - Temperature, Chlorine dioxide, Copper/Silver Ionisation, UV, etc
- Guideline Requirements for carrying out *Pseudomonas aeruginosa* Risk Assessments and microbiological surveillance
- Design, Installation and Commissioning requirements
- Water Treatment and system disinfections
- Risk Assessments, Pre-planned Maintenance, Reporting and Logging, Contingency Management, Usage Evaluation and Flushing, Point-of-Use filtration requirements
- Legionella, *Pseudomonas aeruginosa* and water borne organisms - The causative organism and the diseases caused by Legionella and *Pseudomonas aeruginosa*

Pseudomonas aeruginosa Risk Management - General Awareness



“All of the course was very good. I found reviewing the sampling process the most useful. It wasn’t too long, and we learnt enough to remember.”

Operations Manager

DESCRIPTION:

This course provides advice on how to systematically manage water systems for *Pseudomonas aeruginosa* and similar opportunistic pathogens and apply a suitable Risk Assessment approach in order to reduce the risk to patient safety.

COURSE INCLUDES:

Test, City & Guilds certification, reading material, refreshments throughout the day, lunch on the day.

AIMED AT:

Professionals engaged in Infection Prevention and Control, Estates and Facilities and Hotel/ Cleaning Services.

DURATION:

One day.

LOCATION:

Hydrop Training Suite/Client Venue.

COURSE SYLLABUS:

- Legislation and Guideline Requirements
- *Pseudomonas aeruginosa* and other Pseudomonads - The causative organism
- The diseases caused by *Pseudomonas aeruginosa*
- Life cycle and associated environmental viability requirements of the causative organism
- Guideline Requirements for carrying out *Pseudomonas aeruginosa* Risk Assessments and microbiological surveillance
- Collation and interpretation of risk assessment survey data and microbiological sample results
- Compilation of risk assessment report and interpretation of risk analysis
- General control measures
- The role of Estates, Nursing, Infection Prevention and Control, Medical Physics, Domestic Facilities and Capital Planning departments in the Management and Control of risks associated with *Pseudomonas aeruginosa* contamination
- Domestic water design and installations pertaining to *Pseudomonas aeruginosa* contamination prevention
- Hand washing basin design and use management
- Patient water waste management
- Domestic cleaning protocols
- Usage, Evaluation and Flushing protocols
- Medical Equipment management
- Point-of-Use filtration requirements
- Training methodologies and information sharing

Legionella/Water Quality Risk Management - Risk Assessment Management



“The areas covered within this course were well presented. It was very educational and well balanced.”

Site Manager

DESCRIPTION:

This course offers candidates, who have attended a General Awareness course, detailed information and instruction on the management of the Risk Assessment Process and collected results interpretation. In addition, this module enables the candidate to consider the requirements of BS8580 : 2010 - Water Quality - Risk Assessment for Legionella control Code of Practice and also the DoH Guidance on Pseudomonas Management and Control.

COURSE INCLUDES:

Test, City & Guilds certification, reading material, refreshments throughout the day, lunch on the day.

AIMED AT:

Anyone involved in the implementation and execution of the Risk Assessment Process and interpretation of Risk Assessment results.

DURATION:

One Day.

LOCATION:

Hydrop Training Suite/Client Venue.

COURSE SYLLABUS:

- Legislation and Guideline Requirements
- The Disease
- The causative organism
- Life cycle and associated environmental viability requirements of the causative organism
- Understanding the Legal Requirements for carrying out Risk Assessments
- Assessing suitability of risk assessors
- Setting the scene and preparing for the Risk Assessment survey
- What is surveyed and how: including tanks, calorifiers, distributions systems, showers, thermostatic mixing valves, dental chairs, nebulisers, ice-making machines, air handling systems, process systems, cooling towers and evaporative condensers, wet air handling systems, humidifiers, spa pools and other systems 'at risk'
- Equipment required to complete Risk Assessment
- Collation and interpretation of Risk Assessment survey data
- Compilation of Risk Assessment report and interpretation of risk analysis
- Compilation and prioritisation of remedial works identified
- Compilation of Pre-planned Maintenance Programme requirements

Legionella/Water Quality Risk Management - Usage, Evaluation & Flushing



“The training materials included and length of the course were perfect.”
Estates Compliance Manager

DESCRIPTION:

This course is specifically geared to allow the candidate to develop an appreciation of the requirements of the Legionella and Pseudomonas Management and Control Programme employed by the site and to understand their role and responsibilities within this.

The introduction of a successful Usage, Evaluation and Flushing process across a site depends entirely on ensuring that the people expected to carry out this process have been adequately and suitably informed, instructed and trained to enable them to be aware of their procedural, legal and moral responsibilities and to carry out the task correctly.

COURSE INCLUDES:

Test, City & Guilds certification, reading material, refreshments.

AIMED AT:

'End users' of facilities.

DURATION:

45 minutes per session. Up to five sessions a day.

LOCATION:

Hydrop Training Suite/Client Venue.

COURSE SYLLABUS:

- Legislation and Guideline Requirements
- Legal responsibilities of the 'User'
- Legionella and *Pseudomonas aeruginosa* and other water borne organisms
- General control measures
- The role of the 'User' in bacterial contamination prevention
- The role of Estates, Nursing, Infection Prevention and Control, Medical Physics, Domestic Facilities and Capital Planning departments in the Management and Control of risks associated with Legionella and *Pseudomonas aeruginosa* contamination
- Usage, Evaluation and Flushing protocols - Understanding the process

Legionella/Water Quality Risk Management - Sample Collection Methodology Training



“There was lots of relevant information covered in the session. The Hydrop team are always inspiring.”

Project Manager/Building Services Engineer

DESCRIPTION:

This course provides advice on how to select and collect water samples for bacteriological analysis in a correct, proper and accurate manner. It educates on methodologies as described in guidance documents and codes of practice to ensure that sample quality and laboratory analysis are not undermined by poor sample collection technique.

COURSE INCLUDES:

Half day theory, half day practical, test, City & Guilds certification, reading material, refreshments throughout the course, lunch.

AIMED AT:

Professionals engaged in water treatment, monitoring and inspections, cleaning and disinfection, commissioning of new builds, Estates and Facilities and Capital Planning who may be involved in Microbiological sample collection and results interpretation.

DURATION:

One day.

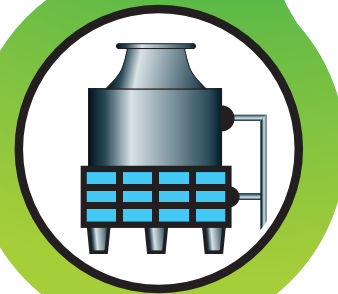
LOCATION:

Hydrop Training Suite/Client Venue.

COURSE SYLLABUS:

- Legislation and Guideline Requirements
- British Standards pertaining to microbiological sample collection
- Public Health England (PHE) guidelines pertaining to microbiological sample collection
- Water Safety Plan and Policy requirements
- UKAS Accreditation requirements for sample collectors
- UKAS Accreditation requirements for sample laboratories
- Sampling regime requirements
- Pre-flush/post-flush sample requirements
- Preparation for sample collection from:
 1. Single/blended taps
 2. Showers
 3. Drinking fountains
 4. Ice making machines
 5. Tanks
 6. Calorifiers
 7. Ornamental fountains
 8. Cooling Towers/Systems
 9. Swimming/Spa pools
 10. Other facilities
- Sample collection theory and practical session instruction for:
 1. Legionella
 2. Pseudomonas
 3. TVC
 4. E.coli/coliforms
 5. Mycobacteria
 6. Other water borne organisms
- Tools and equipment
- Sample preparation, storage and transportation to laboratory
- Sample results interpretation

We are **Hydrop**



Our team consists of scientists from varying disciplines. As specialist consultants we take pride in our subject knowledge and hold great passion for providing **industry leading advice, skill, care and commitment.**

UK and abroad as the 'go-to' company for specialist, expert and unbiased advice in our field. We have been accredited and endorsed by a number of prestigious industry bodies for our expertise, dedication, attentiveness and the quality of our work.

We are Hydrop, an internationally recognised Independent Consultancy Practice specialising in **the management of Legionella, Pseudomonas and Water Quality.**

We operate independently from the water treatment/water hygiene industry and are widely respected and trusted both in the

Efficacy, efficiency & continuous legal compliance



What We Do:

Services to provide our clients with **the best advice possible**

Totally Independent, Totally Unbiased and Totally Impartial



Risk Assessments

Independent System Auditing

Authorising Engineer

Training Provider

Reporting and Logging Programmes

Bacterial Contamination Management

Contractor Selection and Supervision

Crisis Management

Design Validation

Expert Witness

Independent Water Treatment Advice

Management Documentation

PPM Systems Development

Project Management

Scientific Research

Tender Management





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