

## Legionella Control for Responsible Persons

Course Level: 3

Course Credits: 0.00

Course Description:

This course is designed for those learners wishing to gain an understanding of Legionella control. (it is not a nationally recognised qualification RQF).

The objective of the course is to support a role in the workplace and for those either in the role of or aspiring to be in the role of Responsible Person relating specifically to control of Legionella on a site.

The course provides learners with the knowledge and understanding of the events Legionella require to cause infection and the impact an outbreak of Legionnaires' disease would have on a working site, how to identify and control the risks associated with Legionella and how legislation and codes of practice can support its control. It is also designed to aid in ensuring the competence of all operatives who have responsibilities understand the significance of the tasks and how they fit into Legionella control.

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### RP - Introduction & Learning objectives

Unit Ref: RP00

Unit Level: 1

Introduces the course, the assessment method and the history of Legionella.

- 0 Introduction and Assessment
  - The team
  - Candidate Assessment
  - History - The Name Legionnaires' disease
- 0 RP Learning Outcomes
  - Responsible Person Learning Objectives

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### RP - Understanding the Management Requirements of Legionella Control

Unit Ref: RP01

Unit Level: 3

Understand the health risks and causative chain associated with Legionella

Explain how Legionella bacteria get into domestic water systems, how Legionella bacteria multiply, the nutritional conditions required for legionella bacteria to multiply, temperature conditions required for legionella bacteria to multiply, biofilms, routes of infection, dissemination methods of transmission, the initial and more advanced symptoms of Legionnaires' disease, The groups of people most commonly at risk to infection.

Number of cases of Legionnaires disease. Understand the scope of legislation and codes of practice in the management of Legionella in workplace premises. Allocation of responsibility, Inspection and Enforcement, Content of a Legionella Risk assessment and written control scheme & Record keeping. Training, Competence, Water Safety Plans and Reviews

- 1 Understand the health risks and causative chain associated with Legionella
  - 1.1 The Domino effect.
  - 1.2 Explain how Legionella bacteria get into domestic water systems.

## Legionella Control for Responsible Persons

- 1.3 How bacteria multiply
- 1.4 Legionella bacteria
- 1.5 Nutritional conditions required for legionella bacteria to multiply.
- 1.6 Temperature conditions required for legionella bacteria to multiply.
- 1.7 Biofilms & Legionella multiplication.
- 1.8 Routes of Infection - Inhalation
- 1.9 Summary of conditions that promote the growth of Legionella
- 1.10 Routes of Infection - Aspiration
- 1.11 Dissemination methods of transmission.
- 1.12 The initial and more advanced symptoms of Legionnaires' disease
- 1.13 The groups of people most commonly at risk to infection.
- 1.14 Legionella species with different levels of virulence.
- 1.15 The Domino Effect - Halted
- 2 Cases of Legionnaires disease
  - 2.1 Cases of Legionnaires' disease in England and Wales
  - 2.2 Under reporting
- 3 RP Understand the scope of legislation and codes of practice in the management of Legionella in workplace premises.
  - 3.1 The legislation - The Health & Safety at Work etc. Act 1974
  - 3.2 The legislation - Regulations COSHH
  - 3.3 Notification of Cooling Towers and Evaporative Condensers Regulations
  - 3.4 Health and Safety (Consultation with Employees) Regulations
  - 3.5 Reporting of Injuries, Diseases and Dangerous Occurrences Regulations
  - 3.6 Approved code of practice L8
  - 3.7 Guidance note HSG274
  - 3.8 Other guidance
- 4 Allocation of responsibility
  - 4.1 The Dutyholder
  - 4.2 Competent person - Responsible Person(s)
  - 4.3 Communication & Allocation
- 5 Inspection and Enforcement
  - 5.1 Inspections and Investigations
  - 5.2 Corporate manslaughter
  - 5.3 Manslaughter
  - 5.4 Prosecution
- 6 RP Legionella Risk Assessment - The Process
  - 6.1 Hazard or Risk
  - 6.2 BS 8580 Risk assessment ACOP
  - 6.3 Assessor selection
  - 6.4 Risk assessment process
- 7 A written control scheme & Record keeping
  - 7.1 A written control scheme
  - 7.2 Schematic diagrams
  - 7.3 Record keeping
- 8 Training, Competence, Water Safety Plans and Reviews
  - 8.1 Training and competence assessment
  - 8.2 Water Safety Plans and reviews
  - 8.3 Risk assessment reviews