

# Technical Introduction to the Water Industry

The Advanced Professional Training Course - Module 2 - Wastewater



This training course is designed for learners seeking to develop the scope and depth of their understanding of Wastewater Networks and Wastewater Treatment functions within the water industry.

It is intended for those with oversight of operational management and its impacts and aims to strengthen technical knowledge and practical insight to improve performance and support business improvement.

## Technical Introduction to the Water Industry

### The Advanced Professional Training Course - Module 2 - Wastewater

## Overview of the Training Course

In all areas there will be an emphasis on quality assurance measures, an analysis of the importance of understanding of risk, resilience and remedial action in water treatment/production and wastewater networks.

### Unit 1: Wastewater Networks

- Apply understanding of regulatory compliance with respect to wastewater networks.
- Evaluate the design of the wastewater network.
- Interpret and apply best practice in the operation of the wastewater network.
- Evaluate factors involved in the and causes of failure of the wastewater network.
- Examine the techniques used to restore the performance of the wastewater network.
- Summarise effective management of trade effluent in line with regulatory requirements.
- Examine the need for the water industry to become more resilient.

### Unit 2: Wastewater Treatment

- Demonstrate a comprehensive knowledge of best practice in regulatory compliance with respect to wastewater treatment.
- Explain the principles of successful wastewater treatment.
- Explain the requirements for sludge collection, storage, treatment and final disposal or recycling.
- Examine the need for the water industry to become more resilient.
- Interpret and apply best practice in effective and successful nuisance control.

## Accreditation

This module is part of the **Advanced Professional Technical Introduction to the Water Industry**, Each module is made up of two units, and all training days may be treated as standalone training courses or put together to make a more comprehensive package.

### Module 1 – Water

Unit 1: Water Production + Unit 2: Water Networks

### Module 2 – Wastewater

Unit 1: Wastewater Networks + Unit 2: Wastewater Treatment

Each training day can be accredited by an external awarding body, ProQual. To achieve certification learners are required to demonstrate that they have retained and can apply the course content.

Assessment of the knowledge and skills gained during the course is carried out using an online Knowledge Assessment Tool (KAT®).

On completion of the **Advanced Professional Technical Introduction to the Water Industry**, learners may choose to progress to a range of registered qualifications to add greater detail, and further develop their learning, for example:

- ProQual Level 5 Award/Certificate in Understanding/Managing Water Production
- ProQual Level 5 Award/Certificate in Understanding/Managing Water Networks
- ProQual Level 5 Award/Certificate in Understanding/Managing Wastewater Networks
- ProQual Level 5 Award/Certificate in Understanding/Managing Wastewater Treatment

Further information on available qualifications can be found on the Learning and Development Associates website.

## Summary

### Course Duration -

Wastewater Module, 2 days which is made up of:

Unit 1: Wastewater Networks (one day)

Unit 2: Wastewater Treatment (one day)

### Course pre-requisites -

There are no formal entry requirements for this course.



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Advancing the Competence of the Water Industry

For more information on our qualifications

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