

Technical Introduction to the Water Industry

The Advanced Professional Training Course - Module 1 - Water



This training course is designed for learners seeking to develop the scope and depth of their understanding of Water Production and Water Network 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.

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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 production and water networks.

Unit 1: Water Production

- Apply understanding of regulatory compliance with respect to water production.
- Outline the principles of water abstraction.
- Outline the principles of water production.
- Analyse the factors related to the importance of disinfection in the water production process.
- Identify factors that impact on resilience in water production.

Unit 2: Water Networks

- Evaluate best practice in regulatory compliance with respect to a water network.
- Analyse the design requirements of a water network.
- Outline the principles associated with the operation of the water network.
- Analyse the causes of poor performance of a water network and the techniques used to address poor performance.
- Summarise the techniques used to restore a water network.
- Examine the need for a water network to be more resilient.

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 -

Water Module, 2 days which is made up of:

Unit 1: Water Production (one day)

Unit 2: Water Networks (one day)

Course pre-requisites -

There are no formal entry requirements for this course.



Learning & Development Associates

Advancing the Competence of the Water Industry

For more information on our qualifications

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