

VRQ LEVEL 3 Certificate in
WASTE and RESOURCE MANAGEMENT

Award – Overview

The candidate must complete **six** Units

MANDATORY UNITS

All candidates must complete **5 (five)** mandatory Units as follows:

Unit 1 – Environmental Impact of Waste and Resource Management

Understand what is meant by sustainable waste management and the waste hierarchy

Identify types of waste and arisings in the UK

Understand the potential environmental and amenity impacts of Waste and Resource Management

Unit 2 - Waste and Resource Management – Policy and Legislation

Understand the key stakeholders within the sector; their roles and interrelationships

Understand which European/ UK legislation, codes of practice and guidance notes are relevant to waste and resource management facilities

Understand what non-legislative drivers are affecting changes in Waste and Resource Management practices

Understand why waste needs to be treated or disposed of in ways other than through landfill

Unit 3 - Permitting Requirements and Compliance in the Waste and Resource Management Industry

Understand the requirements of planning and permitting legislation as applied to the Waste and Resource management practices

Understand the concept of Producer Responsibility and the requirements of Duty of Care and dealing with hazardous wastes

Have an awareness of the roles of the regulators working with the waste and resource management industry

Understand different systems and procedures designed to ensure compliance with relevant legislation and to control environmental effects

Understand operator responsibilities for data collection, reporting, storage and retention in relation to waste and resource management facilities

Unit 4 - Health and Safety in the Waste and Resource Management Industry

Understand the general principles of Health and Safety

Understand specific health and safety issues related to waste and resource management industry site activities

Know the procedures for the control of contractors and other site users

Know safe working practices to control the use of plant and equipment on site

Unit 5 - Technical Aspects of Managing Waste and Resource

Understand the concepts for different physical, chemical, biological and thermal treatment processes available in the UK

Understand the technical, financial, political, planning and other barriers limiting the uptake of different technologies.

Understand the importance of effective communication within the work environment including those relevant to but outside of the site boundaries

Understand the principles and procedures for waste transfer

Please see overleaf for the choice of optional Units

OPTIONAL UNITS

All candidates must complete **1 (one)** of the Optional Units as follows:

Unit 6A - Physical and Chemical Processing within the Waste and Resource Management Industry

Understand the implications of different collection and reception systems relating to physical and chemical treatment processes
Understand the principles behind the science and engineering of the physical and chemical treatment processes
Know the technical and environmental benefits, limitations and any potential problems that may arise from physical and chemical treatment processes.
Know what emissions, products and residual waste are associated with the physical and chemical treatment processes

Unit 6B - Biological Processing within the Waste and Resource Management Industry

Understand the implications of different collection and reception systems relating to biological treatment processes
Understand the principles behind the science and engineering of the biological treatment processes.
Know the technical and environmental benefits, limitations and any potential problems that may arise from biological treatment processes
Know what emissions, products and residual waste are associated with the biological treatment processes

Unit 6C -Thermal Treatment Processing within the Waste and Resource Management Industry

Understand the implications of variations in the waste types appropriate to thermal treatment processes and their inherent collection and reception systems
Understand the principles behind the science and engineering of the thermal treatment processes
Know the technical and environmental benefits, limitations and any potential problems that may arise from thermal treatment processes
Know what emissions, products and residual wastes are associated with the thermal treatment processes

[Please go to our website to view more details on the Learning Outcomes and Knowledge requirements for this course](#)