

LANCS27 SQA Unit Code H59A 04

Develop and implement plans to reduce and manage waste

Overview

This standard covers developing and implementing plans for the effective reduction and management of 'waste'. For this standard, 'waste' includes anything that is created as a by-product, or is left over from a process, anything that is no longer suitable for purpose or anything which is surplus to requirements.

The standard encourages the use of the waste management hierarchy by looking for ways to reduce, reuse, recycle or recover energy from the waste and deal appropriately with what is left.

By choosing the best waste management options you can reduce costs or even earn income from waste as well as comply with waste regulation and promote good practice.

This standard is for anyone who has responsibility for dealing with waste in their area of work.

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Performance criteria

- You must be able to:*
- P1 carry out a resource efficiency assessment in your area of responsibility
 - P2 develop plans for the effective utilisation or disposal of waste in accordance with relevant legislation and codes of practice
 - P3 identify and implement ways to reduce, reuse and recycle waste in your area of responsibility
 - P4 identify and investigate opportunities for dealing with biodegradable waste in your area of responsibility
 - P5 identify and investigate opportunities to recover energy and produce fuel from waste in your area of responsibility
 - P6 identify and implement appropriate ways of dealing with waste that needs to be disposed of
 - P7 implement plans for the storage and disposal of waste
 - P8 ensure that the working methods for the management of waste are established and clearly communicated
 - P9 monitor the storage and disposal of inorganic waste in accordance with plans and take appropriate action if problems are highlighted
 - P10 identify and complete any necessary records or documentation relating to the storage, transport or disposal of waste
 - P11 ensure that environmental and health and safety policies and risk assessment requirements are put into practice across your area of responsibility

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Knowledge and understanding

You need to know and understand:

- K1 waste legislation and regulations which affect your area of work
- K2 how to develop, implement and revise plans for the utilisation or disposal of waste in your area of responsibility
- K3 sources of information and guidance on how to reduce, reuse, recycle and recover waste
- K4 how to assess the use of materials, equipment and energy in your area of responsibility and the cost of waste
- K5 ways in which waste could be reduced in your area of responsibility
- K6 ways in which waste could be reused within the business or by another organisation and how to identify outlets for waste materials or equipment
- K7 ways in which waste which could be recycled, either in its present format e.g. paper, metal, glass, or after processing e.g. crushing, wood chipping
- K8 waste which has special requirements for recycling
- K9 ways of dealing with biodegradable waste (composting, anaerobic digestion) and the regulations covering their use
- K10 ways in which waste can be used to recover energy or produce biofuels
- K11 how to identify waste that requires special disposal
- K12 the correct methods of disposal for different types of waste and the requirements for pre-treatment
- K13 where to find information on recycling and waste disposal services in your location
- K14 how to store different types of waste
- K15 the requirements for an environmental permit or registered exemption for the storage or transport of waste
- K16 the importance of maintaining effective communication with those involved in the management of waste
- K17 reporting and recording arrangements that are necessary under relevant legislation and codes of practice
- K18 your responsibilities under relevant environmental and health and safety legislation, codes of practice and company policies

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Glossary

Waste management hierarchy:

- reduce
- reuse
- recycle
- recover
- dispose

Technologies for producing energy from waste:

- Anaerobic Digestion (AD)
- gasification
- pyrolysis
- incineration

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Suite	Agricultural Management; Environmental Conservation; Horticulture; Floristry; Crofters and Smallholders; Animal Care Management
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Key words	reduce; reuse; recycle; recover; dispose; waste; environment
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