

Standard CU18

Construct and maintain structures and surfaces(SQA Unit Code-F8DA 04)

Element CU18.1

Construct and maintain structures

Element CU18.2

Construct and maintain surfaces

Overview

This standard is concerned with constructing and maintaining structures and surfaces. Structures may be permanent or temporary, and could include: fences, walls, sheds and livestock holdings. Surfaces could include standing areas, container beds, roads and pathways.

Construction and maintenance will be carried out in accordance with instructions from your supervisor. 'Construction' is defined as creating a new structure or surface, or replacing an existing structure or surface. 'Maintenance' may be undertaken to maintain the effectiveness of the structure, or to increase its lifespan. Alternatively, 'maintenance' may be carried out to repair a structure or surface. In some cases, the distinction between construction and maintenance will need to be evaluated on a case by case basis.

The standard is designed to be appropriate for the operations using hand-held or pedestrian controlled power tools. There is no requirement within the standard to use chainsaws although this would be possible if you held the appropriate Certificate of Competence.

In this standard 'organic waste' may include for example, debris from plants, earth, woodchip. Whilst 'inorganic waste' may include, for example; plastic containers and plastic bags.

This standard relates to the following applications or context:

Maintain the necessary equipment by:

- cleaning
- storing
- checking and adjusting

Prepare the site for the following operations:

- construction
- maintenance

Dispose of the following types of waste:

- organic
- inorganic

Element CU18.1 Construct and maintain structures(SQA Unit Code-F8DA 04)

What you must be able to do

1. prepare the necessary equipment and materials for the work
2. prepare the site correctly for operations
3. make the foundations of the structure, secure and suitable for use
4. construct or maintain the structure in accordance with instructions
5. take the appropriate action if problems occur during operations
6. use tools and equipment safely and correctly
7. maintain the equipment at the appropriate times during the work
8. maintain health and safety during the work consistent with relevant legislation and codes of practice
9. make the site as good as possible following operations and dispose of any waste correctly

Element CU18.2 **Construct and maintain surfaces(SQA Unit Code-F8DA 04)**

What you must be able to do

1. Prepare and maintain the necessary **equipment** and materials for the work in a fit state for use
2. Prepare the site correctly for **operations**
3. Provide foundations and drainage in accordance with the requirements of the surface
4. Construct or maintain the surface in accordance with instructions
5. Take the appropriate action if problems occur during **operations**
6. Use tools and equipment safely and correctly
7. Maintain health and safety during the work consistent with relevant legislation and codes of practice
8. Make the site as good as possible following **operations**, and dispose of any **waste** or unwanted materials correctly

What you must know and understand

- (a) Types of equipment and materials required
- (b) Correct methods for preparing and using equipment
- (c) Suitable methods for preparing the site
- (d) The purpose of the surface
- (e) Correct methods for creating adequate drainage
- (f) Types of foundations which are required
- (g) Reasons for constructing and maintaining surfaces
- (h) Correct methods for constructing and maintaining surfaces
- (i) Types of problems which may occur during operations and how these should be dealt with, including remedying the situation, and/or informing the appropriate person
- (j) Your responsibility in relation to health, safety and environmental good practice
- (k) Correct methods for disposing of organic or inorganic waste
- (l) The suitable condition of the site on completion of operations