

COSVR727 - SQA Unit Code F3H5 04

Establish, control and monitor environmental factors and sustainability



Overview

This standard is about

- 1 identifying considerations for environmental management and methods that will support sustainability
- 2 delegating responsibilities and encouraging a culture of environmental awareness and support for sustainability
- 3 monitoring environmental factors and sustainability requirements as the project progresses

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Performance criteria

- You must be able to:*
- P1 identify the environmental management considerations and establish methods of work that will support sustainability by examining project data
 - P2 encourage a culture of environmental awareness and support for sustainability in the workforce
 - P3 delegate duties for environmental management and monitoring sustainable work methods
 - P4 assess the significance of environmental factors as they affect the project and take appropriate action
 - P5 monitor project work against sustainability requirements and take appropriate action to ensure progress
 - P6 record good practice in environmental management and sustainable methods of work and make recommendations to people responsible

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Considerations sustainability

- K1 how to examine **project data** to identify needs for environmental management
- K2 how to examine **project data** to identify and establish methods of work that will support **sustainability**
- K3 why you need to identify environmental management needs and **sustainable work methods**

Performance Criteria 2

Encourage and support

You need to know and understand:

- K4 how to encourage a culture of environmental awareness and support for **sustainability** in the workforce
- K5 why you need to encourage a culture of environmental awareness and support for **sustainability** in the workforce

Performance Criteria 3

Delegation

You need to know and understand:

- K6 how to delegate duties for environmental management
- K7 how to delegate duties for monitoring **sustainable work methods**

Performance Criteria 4

Environmental factors

You need to know and understand:

- K8 how to assess the significance of **environmental factors** as they affect the project and take appropriate action

Performance Criteria 5

Monitor sustainability

You need to know and understand:

- K9 how to monitor project work against **sustainability** requirements and take appropriate action to ensure progress

Performance Criteria 6

Record good practice

You need to know and understand:

- K10 how to record good practice in environmental management and **sustainable work methods**
- K11 how to make recommendations of good practice to **people**

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 records of identified considerations for environmental management
- 2 records of identified methods that will support sustainability

Performance Criteria 2

- 3 records of the policies adopted for environmental management and sustainability
- 4 records showing how workforce culture has been encouraged

Performance Criteria 3

- 5 records of duties delegated for environmental management
- 6 records of duties delegated for monitoring sustainable work methods

Performance Criteria 4

- 7 records of consideration for at least four of the following environmental factors
 - 7.1 appearance
 - 7.2 ecological
 - 7.3 natural conservation
 - 7.4 historical conservation
 - 7.5 noise
 - 7.6 emissions to air, land and water
 - 7.7 sustainable, economic and social
 - 7.8 traffic management
 - 7.9 waste management and recycling

Performance Criteria 5

- 8 records of project tasks monitored against at least four of the following sustainability requirements
 - 8.1 reuse and recycled waste
 - 8.2 recycled or sustainable materials
 - 8.3 contact with neighbours
 - 8.4 health and safety
 - 8.5 protection of the natural environment, biodiversity and heritage
 - 8.6 new legislation, technologies and skills
 - 8.7 pollution control
 - 8.8 material acquisition, use and storage

Performance Criteria 6

- 9 records of recommendations made to at least three of the following people responsible
 - 9.1 the client, customer or their representative
 - 9.2 contractors
 - 9.3 consultants
 - 9.4 sub-contractors
 - 9.5 suppliers
 - 9.6 workforce
 - 9.7 internal management

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Scope/range related to knowledge and understanding

Environmental factors

- 1 appearance
- 2 ecological
- 3 nature conservation
- 4 historical conservation
- 5 noise
- 6 emissions, air, land and water
- 7 sustainable, economic and social
- 8 traffic management
- 9 waste management and recycling

People responsible

- 10 the client, customer or their representative
- 11 contractors
- 12 consultants
- 13 sub-contractors
- 14 suppliers
- 15 workforce
- 16 internal management

Project data

- 17 conditions of contract
- 18 bills of quantities or methods of measurement
- 19 specifications
- 20 drawings
- 21 health, safety and environmental plans
- 22 programmes
- 23 organisational requirements
- 24 instructions and variations

Sustainable work methods

- 25 reuse and recycled waste
- 26 recycled or sustainable materials
- 27 contact with site neighbours
- 28 health and safety
- 29 protection of the natural environment, biodiversity and heritage
- 30 new legislation, technologies and skills
- 31 pollution control
- 32 material acquisition, use and storage

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Sustainability

- 33 build to last
- 34 integration with surroundings
- 35 traffic management
- 36 meeting users needs
- 37 meeting community needs
- 38 insulation
- 39 efficient building services systems
- 40 efficient use of resources
- 41 efficient use of materials
- 42 waste recycling
- 43 use of recycled materials
- 44 acquiring materials from local sources
- 45 encouraging biodiversity
- 46 use of sustainable energy, thermal, solar, wind and wave
- 47 water demand
- 48 protection of archaeological and historically valuable resources

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