Unit No. VR 727 *(A23.3/A23.4)*
Establish, Control and Monitor Environmental Factors and Sustainability

Description:

This unit is about:
– identifying considerations for environmental management and methods that will support sustainability
– delegating responsibilities and encouraging a culture of environmental awareness and support for sustainability
– monitoring environmental factors and sustainability requirements as the project progresses

Performance Criteria You must be able to:	Scope of Performance Evidence must be work-based, simulation alone is only allowed where shown in ***bold italics.***
1 Identify the environmental management considerations and establish methods of work that will support sustainability by examining project data.	Records of identified considerations for environmental management. Records of identified methods that will support sustainability.
2 Encourage a culture of environmental awareness and support for sustainability in the workforce.	Records of the policies adopted for environmental management and sustainability. Records showing how workforce culture has been encouraged.
3 Delegate duties for environmental management and monitoring sustainable work methods.	Records of duties delegated for environmental management. Records of duties delegated for monitoring sustainable work methods.
4 Assess the significance of environmental factors as they affect the project and take appropriate action.	Records of consideration for at least four of the following environmental factors: – appearance – ecological – natural conservation – historical conservation – noise – emissions to air, land and water – sustainable, economic and social – traffic management – waste management and recycling.

Performance Criteria (continued) You must be able to:	**Scope of Performance (continued)** Evidence must be work-based, simulation alone is only allowed where shown in ***bold italics.***
5 Monitor project work against sustainability requirements and take appropriate action to ensure progress.	Records of project tasks monitored against at least four of the following sustainability requirements: – reuse and recycled waste – recycled or sustainable materials – contact with neighbours – health and safety – protection of the natural environment, biodiversity and heritage – new legislation, technologies and skills – pollution control – material acquisition, use and storage.
6 Record good practice in environmental management and sustainable methods of work and make recommendations to people responsible.	Records of recommendations made to at least three of the following people responsible: – the client, customer or their representative – contractors – consultants – sub-contractors – suppliers – workforce – internal management.

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Knowledge and Understanding relating to Performance Criteria You must know and understand:	Scope of Knowledge and Understanding The knowledge and understanding evidence should relate to the occupational area being assessed.
Performance Criteria 1 *Considerations sustainability* How to examine **project data** to identify needs for environmental management. How to examine **project data** to identify and establish methods of work that will support **sustainability.** Why you need to identify environmental management needs and **sustainable work methods**. *Performance Criteria 2* *Encourage and support* How to encourage a culture of environmental awareness and support for **sustainability** in the workforce. Why you need to encourage a culture of environmental awareness and support for **sustainability** in the workforce. *Performance Criteria 3* *Delegation* How to delegate duties for environmental management. How to delegate duties for monitoring **sustainable work methods**. *Performance Criteria 4* *Environmental factors* How to assess the significance of **environmental factors** as they affect the project and take appropriate action.	**Environmental factors** Appearance. Ecological. Nature conservation. Historical conservation. Noise. Emissions, air, land and water. Sustainable, economic and social. Traffic management. Waste management and recycling. **People responsible** The client, customer or their representative. Contractors. Consultants. Sub-contractors. Suppliers. Workforce. Internal management. **Project data** Conditions of contract. Bills of quantities or methods of measurement. Specifications. Drawings. Health, safety and environmental plans. Programmes. Organisational requirements. Instructions and variations. **Sustainable work methods** Reuse and recycled waste. Recycled or sustainable materials. Contact with site neighbours. Health and safety. Protection of the natural environment, biodiversity and heritage. New legislation, technologies and skills. Pollution control. Material acquisition, use and storage.

Knowledge and Understanding relating to Performance Criteria (continued) You must know and understand:	**Scope of Knowledge and Understanding (continued)** The knowledge and understanding evidence should relate to the occupational area being assessed.
Performance Criteria 5 *Monitor sustainability* How to monitor project work against **sustainability** requirements and take appropriate action to ensure progress. *Performance Criteria 6* *Record good practice* How to record good practice in environmental management and **sustainable work methods**. How to make recommendations of good practice to **people responsible**.	**Sustainability** Build to last. Integration with surroundings. Traffic management. Meeting users needs. Meeting community needs. Insulation. Efficient building services systems. Efficient use of resources. Efficient use of materials. Waste recycling. Use of recycled materials. Acquiring materials from local sources. Encouraging biodiversity. Use of sustainable energy, thermal, solar, wind and wave. Water demand. Protection of archaeological and historically valuable resources.