

727 Establishing, controlling and monitoring environmental factors and sustainability in the workplace.

Level:	6	
Value for TQT:	170	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Identify the environmental management considerations	1.1	Identify the environmental management considerations.
	1.2	Describe how to examine the following project data to identify needs for environmental management and to establish methods of work that will support sustainability: <ul style="list-style-type: none"> – conditions of contract – bills of quantities or methods of measurement – specifications – drawings – health, safety and environmental plans – programmes – organisational requirements – instructions and variations.
	1.3	Explain why it is important to identify environmental management needs and the following sustainable work methods: <ul style="list-style-type: none"> – appearance – ecological – natural conservation – historical conservation – statutory nuisances – emissions to air, land and water – movement of project people, resources and vehicles – waste management – responsible contractor – contaminated land – invasive species.
2 Establish methods of work that will support sustainability by examining project data.	2.1	Examine relevant project data and establish the required considerations for environmental management.
	2.2	Explain how to examine project data and establish and record methods of work that will support sustainability.
	2.3	Give reasons why it is important to examine project data and establish and record methods of work that will support sustainability.

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Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
3 Promote a culture of environmental awareness and support for sustainability in the workforce.	3.1 Adopt and implement policies that cover environmental management and sustainability procedures.
	3.2 Apply methods or procedures that encourage workforces to support sustainability and environment matters in the workplace.
	3.3 Explain how a culture of environmental awareness and support for sustainability in the workforce can be encouraged.
	3.4 Give reasons why a culture of environmental awareness and support for sustainability in the workforce should be encouraged.
4 Examine and record the policies adopted for environmental management and sustainability	4.1 Assess and record the adopted policies for environmental management and sustainability.
	4.2 Explain how to examine the policies adopted for environmental management and sustainability.
	4.3 Explain why it is important to examine and record the policies adopted for environmental management and sustainability.
5 Delegate and record assigned duties for environmental management and monitoring of sustainable work methods.	5.1 Evaluate the environmental management requirements of projects and determine numbers and types of people needed.
	5.2 Assign and record environmental management and monitoring duties to the people selected.
	5.3 Explain how to delegate monitoring activities and inform the people selected for the following sustainable work methods: <ul style="list-style-type: none"> – reuse and recycled materials and resources – sustainable materials – corporate social responsibility (CSR) and social value wellbeing – innovation, legislation, technologies and skills – procurement of materials and resources – economic.
	5.4 Explain how duties for environmental management and monitoring sustainable work methods should be delegated.

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Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
<p>6 Assess the significance of environmental factors as they affect the project and take appropriate action.</p>	<p>6.1 Assess project work against at least four of the following environmental factors when ongoing work activities are being assessed:</p> <ul style="list-style-type: none"> – appearance – ecological – natural conservation – historical conservation – statutory nuisances – emissions to air, land and water – movement of project people, resources and vehicles – waste management – responsible contractor – contaminated land – invasive species.
	<p>6.2 Evaluate the impact of work on the environment and apply corrective measures to eliminate or reduce effects on environmental factors.</p>
	<p>6.3 Explain ways of assessing significance of the following environmental factors as they affect the project and take appropriate action:</p> <ul style="list-style-type: none"> – appearance – ecological – natural conservation – historical conservation – statutory nuisances – emissions, air, land and water – movement of project people, resources and vehicles – waste management – responsible contractor – contaminated land – invasive species.
<p>7 Monitor project work against sustainability requirements and take appropriate action to ensure progress.</p>	<p>7.1 Assess ongoing project work against at least four of the following sustainability requirements in respect of:</p> <ul style="list-style-type: none"> – reuse and recycled materials and resources – corporate social responsibility (CSR) and social value – wellbeing – innovation, legislation, technologies and skills – procurement of sustainable materials and resources – use and storage of materials and resources – energy use, environmental emissions.
	<p>7.2 Define the term sustainability and list the factors that make up sustainability requirements.</p>

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Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
	<p>7.3 Evaluate results of project work monitoring and take appropriate measures which maintain sustainability requirements and progress of work.</p> <p>7.4 Explain ways and techniques of monitoring project work against sustainability requirements and how to take appropriate action to comply with organisational requirements in relation to:</p> <ul style="list-style-type: none"> - built to last - integration with surroundings - movement of project people, resources and vehicles - meeting stakeholders' needs - energy efficiency - efficient building services systems - use of materials and resources - waste recycling - use of recycled materials - responsible procurement - biodiversity - renewables - water use and discharge - archaeological and historical requirements.
<p>8 Record good practice in environmental management and sustainable methods of work and make recommendations to people responsible.</p>	<p>8.1 Document results from workplace sustainability and environmental evaluations.</p> <p>8.2 Identify good practice achieved on relevant activities and inform at least three of the following people responsible:</p> <ul style="list-style-type: none"> - the client, customer or their representative - contractors - consultants - sub-contractors - suppliers - workforce - internal management. <p>8.3 Describe ways of recording good practice in environmental management and sustainable work methods.</p> <p>8.4 Explain methods and techniques of making recommendations of good practice to the people responsible.</p>

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Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	70
Assessment Time	10