



Australian Government

Department of Education, Employment and Workplace Relations

AHCSAW302A Implement erosion and sediment control measures

Release: 1

AHCSAW302A Implement erosion and sediment control measures

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the construction/installation and maintenance of a range of measures specified on erosion and sediment control plans and defines the standard required to: select and prepare equipment; confirm the details of work; identify survey pegs and site indicators; construct earthworks in line with the plan; install erosion and sediment control products and materials; carry out repairs and maintenance procedures.
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Application of the Unit

Application of the unit	This unit applies to workers who are required to carry out the actions specified on erosion and sediment control plans.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for implementation and construction	1.1.Erosion and sediment control plan and schedule of works match site conditions. 1.2.Survey pegs and site indicators are identified on site. 1.3.Equipment and tools are matched to program works and terrain on site. 1.4.Work readiness of selected equipment and tools are verified in line with contractor policy. 1.5.Materials are selected to complete proposed works in line with construction schedule.
2. Carry out implementation and construction	2.1.Earthworks are constructed in accordance with details specified in the plan and to industry standards. 2.2.Erosion and sediment control products and materials are installed in accordance with manufacturer's recommendation and industry guidelines and plans.
3. Carry out repairs and maintenance procedures	3.1.Site works maintenance inspection schedule is applied to reinstate operating effectiveness of erosion and sediment control measures on site.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- identify hazards and implement safe work procedures
- prepare for implementation and construction
- carry out implementation and construction
- carry out repairs and maintenance procedures
- use literacy skills to read, interpret and follow organisational policies and procedures, follow sequenced written instructions, record accurately and legible information collected and select and apply procedures for a range of tasks
- use oral communication skills/language competence to fulfil the job role as specified by the organisation, including questioning techniques, active listening, clarifying information and consulting with supervisors as required
- use numeracy skills to estimate, calculate and record routine workplace measures
- use interpersonal skills to work with and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

REQUIRED SKILLS AND KNOWLEDGE**Required knowledge**

- materials cartage pollution control
- sequence of working and timing/duration
- Occupational Health and Safety (OHS) issues relating to the equipment and the site
- equipment used
- construct, install and maintain includes materials, quantity and where to source them on site
- construction/installation techniques for all measures on the plan
- limitations of structures including timing of maintenance, structure life cycle, specifications and standards
- environmental impacts and procedures for erosion and sediment control.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following:</p> <ul style="list-style-type: none"> • select and prepare equipment • confirm the details of work • identify survey pegs and site indicators • construct earthworks in line with the plan • install erosion and sediment control products and materials • carry out repairs and maintenance procedures.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Erosion control measures may include:	<ul style="list-style-type: none"> • site management • land shaping • batter stabilisation • banks and channels • level spreader • revegetation • waterways • check dams • bank and channel linings

RANGE STATEMENT	
	<ul style="list-style-type: none"> • grade stabilising structures • outlet protection structures • stormwater detention measures • dust control • rural road&track crossbank and crossfall.
Sediment control measures may include:	<ul style="list-style-type: none"> • sediment basins • sediment traps • sediment filters • excavated sediment traps • straw bale • stormwater inlet sediment traps • sediment fence • straw bale • geotextile fabric • vegetation strips.

Unit Sector(s)

Unit sector	Soil and water conservation
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Co-requisite units

Co-requisite units	

Competency field

Competency field	
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