



Australian Government

AHCSAW304 Implement erosion and sediment control measures

Release: 1

AHCSAW304 Implement erosion and sediment control measures

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to construct, install and maintain a range of measures specified on erosion and sediment control plans.

The unit applies to individuals who work under broad direction and take responsibility for their own work, including limited responsibility for the work of others. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Soil and Water Conservation (SAW)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for implementation and construction	1.1 Confirm erosion and sediment control site and work requirements with maps, plans and specifications 1.2 Identify and locate worksite and surveyed work according to maps and site plans 1.3 Select, check and prepare machinery and equipment required for erosion and sediment control work 1.4 Verify the suitability of equipment and attachments for terrain and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	control works 1.5 Identify hazards, assess risks and implement controls according to workplace health and safety and environmental procedures 1.6 Select, check and use personal protective equipment 1.7 Select materials required for proposed works according to plans and specifications
2. Carry out implementation and construction	2.1 Coordinate work sequence with work team according to planned works 2.2 Operate tools and equipment safely using techniques suitable for terrain, site conditions and other operators and site worker safety 2.3 Construct erosion and sediment control earthworks according to specifications
3. Carry out repairs and maintenance procedures	3.1 Monitor site operations and identify and resolve performance issues according to workplace procedures 3.2 Clean, maintain and store machinery, tools and equipment according to environmental and biosecurity procedures 3.3 Maintain records according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret basic construction plans and specifications for erosion control works and consolidate information to determine equipment required, methods and location of works and the tolerances required
Numeracy	- Make measurements and perform calculations to check site layout against plans for erosion and sediment control works - Make basic volumetric calculations for measuring and estimating materials during construction works

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCSAW304 Implement erosion and sediment control measures	AHCSAW302 Implement erosion and sediment control measures	Changes to Application and Performance Criteria for clarity Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCSAW304 Implement erosion and sediment control measures

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has conducted erosion and sediment control activities on at least one conservation worksite, and has constructed, installed and maintained at least three erosion and sediment control measures.

There must also be evidence that the individual has:

- identified hazards, assessed risk and implemented controls
- read and followed plans for construction work and site construction layout
- implemented site and equipment repairs and maintenance according to workplace procedures
- selected and operated tools and equipment according to safe work practices and manufacturer instructions
- cleaned, maintained and stored equipment, machinery and tools according to workplace and biosecurity procedures.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- construction and site plan types, reading and interpretation
- erosion and sediment control methods and construction techniques
- materials cartage pollution control
- operational planning skills to sequence and schedule the timing/duration of work
- workplace health and safety issues relating to erosion and sediment control works, including:
 - equipment
 - site-specific risks
 - personal protective equipment

- sun protection
- type and operation of machinery and equipment used for erosion and sediment control, including:
 - safety checks
 - site access and operational restrictions
 - maintenance
 - environmental protection from fuels and oils
 - impact of tools and machinery on biosecurity
- materials suitable for constructing erosion and sediment control measures, and where to source them on site
- limitations of structures, including:
 - timing of maintenance
 - structure life cycle
 - specifications and standards for construction.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated on a conservation worksite or in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools, equipment and materials for installing specified erosion and sediment controls
 - personal protective equipment
- specifications:
 - workplace policies, procedures and processes for safety, biosecurity and environmental safety
 - manufacturer operating instructions for specific equipment and machinery
 - workplace instructions and plans
- relationships:
 - supervisor.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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