



Australian Government

AHCSOL503 Manage erosion and sediment control

Release: 1

AHCSOL503 Manage erosion and sediment control

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency covers the development and implementation of a plan to address existing erosion problems and to prevent further erosion and sediment problems. The development of the plan will address the relevant legislation and issues associated with land disturbing projects. It requires the ability to identify and establish suitable strategies to develop, implement and monitor an erosion and sediment strategy and manage the project from implementation through to completion to achieve required outcomes.

Planning and managing erosion and sediment control measures requires a knowledge of relevant environmental, planning and ground water legislation, erosion and sediment control techniques, setting work specifications and objectives for the property or catchment system.

This unit is applicable to persons who have a role in the managing of the following land based business:

- Agricultural related industries
- Production Horticulture
- Agro- Forestry
- Natural resource management
- Roadside management and civil construction
- Extractive mining industries

All work must be carried out to comply with workplace procedures, work health and safety legislation and codes, and sustainability practices.

This unit will require consultation with external experts such as land management consultants, planning authorities, Catchment Management Authority, Landcare, State and Federal Government Departments who provide advice, contractors, neighbours and other interested groups.

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

Pre-requisite Unit

Nil.

Unit Sector

Soils (SOL)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Conduct a property or catchment audit and identify areas with erosion and sediment problems	1.1 Identify soils susceptible to erosion and sediment loss and relationship to land classes for erosion potential 1.2 Conduct a property or site audit and document details using appropriate methodology 1.3 Identify and classify types of erosion and sediment loss 1.4 Identify the environmental and man made factors that influence rates and effects of erosion and sediment 1.5 Estimate the economic and environmental losses caused by erosion and sediment losses 1.6 Identify appropriate external sources of support to assist in the planning processes 1.7 Identify relevant regulatory planning authorities or environmental legislation for current project and future planning developments
2. Develop erosion and sediment control plan	2.1 Investigate erosion and sediment control measures consistent with industry principles 2.2 Develop erosion and sediment control strategy/s for project area and record in co-operation with land owner, relevant government and planning authorities and any other key stakeholders 2.3 Identify potential problems that may require future rectification and modification to original strategies 2.4 Develop erosion and sediment control plan to meet design specifications including environmental concerns, physical impacts, land use, production systems and key personnel 2.5 Develop monitoring processes for evaluating and reporting performance against erosion and sediment control plan for achieving short and long-term outcomes 2.6 Determine roles and responsibilities to all key personnel and stakeholders
3. Implement and manage the erosion and sediment control plan	3.1 Implement tasks in accordance with erosion and sediment control plan and structure specification 3.2 Manage the communication process including strategies for conflict resolution and problem solving 3.3 Monitor progress to ensure time, performance, cost and quality of

Element	Performance criteria
	work is achieved 3.4 Investigate and negotiate proposed variations in consultation with all key stakeholders
4. Evaluate the erosion and sediment control plan	4.1 Conduct inspection to review work completion and collate monitoring data 4.2 Identify alterations or modifications to the development plan and report to industry sector personnel, developer or consenting authority 4.3 Review outcomes of completed erosion and sediment control plan against agreed short and long term objectives and report to all key stakeholders

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

New unit - equivalent to VBP149 Manage erosion and sediment control.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCSOL503 Manage erosion and sediment control

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- identify appropriate erosion and sediment control strategy methods
- prepare plans and reports on erosion and sediment control plans
- develop an erosion and sediment control plan
- communicate and collaborate effectively with all stakeholders for planning and conflict resolution
- implement work health and safety control measures at site work operations
- monitor, evaluate and analyse effectiveness of erosion and sediment plan outcomes
- organise required resources and key stakeholders

Knowledge Evidence

The candidate must demonstrate knowledge of:

- environment sustainability as a whole farm system approach
- environmental issues with regard to water catchment, ecosystems, habitats and waste minimisation
- relevant environmental, planning and groundwater legislation including licences and permits to implement erosion and sediment control activities
- erosion control and design principles
- planning processes for erosion and sediment control
- project and risk management techniques and tools for the management of erosion and sediment control
- soils and soil formation
- earthmoving principles
- work health and safety obligations and “Duty of Care”
- subsurface and surface drainage principles and systems

Assessment Conditions

Competency is to be assessed in the workplace or simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

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