



Australian Government

AHCSAW404 Supervise implementation of conservation earthworks plans

Release: 1

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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 supervise the on-site implementation of earthworks designed to control erosion and sediment at a given site.

The unit applies to individuals who take responsibility for their own work and for the quality of the work of others within known parameters. This includes using discretion and judgement in the selection and use of available resources.

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. Plan efficient implementation of erosion and sediment control works	1.1 Review plans and specifications and correlate to earthworks work site 1.2 Determine resource requirements to undertake work 1.3 Plan and record work sequences according to proposed work schedule 1.4 Identify pest control requirements and develop a strategy for

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 1.5 Order resources required for works according to construction schedule and workplace procedures 1.6 Identify potential regulatory, planning, biosecurity and environmental impacts of the work, and notify senior management of inconsistencies 1.7 Identify workplace health and safety hazards, assess risks and implement control measures
2. Direct and monitor work	2.1 Communicate instructions and expected work performance standards to work team 2.2 Assess work team skill level and arrange training according to assessment outcomes 2.3 Assess site for constraints limiting achievement of performance targets, and modify techniques and schedules to mitigate constraints 2.4 Report mitigating conditions and project modifications to senior management for approval 2.5 Assess work performance against target and adjust activities or plan where inconsistencies in performance are identified 2.6 Monitor site and machinery operational safety according to workplace health and safety policies and environmental and biosecurity practices 2.7 Liaise with stakeholders to keep them apprised of project development
3. Complete work	3.1 Inspect site for confirmation of completion of work according to performance targets 3.2 Report underperformance to target, and arrange rectification notices 3.3 Supervise the maintenance and cleaning of machinery and equipment 3.4 Report outcomes of conservation earthworks to senior management according to workplace reporting 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	Critically analyse project plans and specifications, and consolidate information into schedules, programs, materials and equipment requirements, and for monitoring work team performance
Writing	Prepare reports for stakeholders and senior managers to inform on project progress and completion targets, using clear and accurate language
Oral Communication	Use collaborative and inclusive techniques, including active listening and questioning and reading of non-verbal signals, to convey and clarify instruction to workers and to provide reports to stakeholders
Numeracy	Interpret and perform calculations to analyse materials and resource requirements, to determine costs and quantities, and to accurately report on progress performance against target

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCSAW404 Supervise implementation of conservation earthworks plans	AHCSAW403 Supervise implementation of conservation earthworks plans	Changes to Application Minor changes and consolidation of Performance Criteria for clarity and brevity 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 AHCSAW404 Supervise implementation of conservation earthworks plans

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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, on at least one occasion, supervised the implementation of conservation earthworks, and has:

- determined operational resource requirements, including:
 - human resources
 - materials and consumables
 - tools and equipment
 - financial
- identified hazards and implemented controls for the site
- identified pests and control strategy
- planned the implementation of works
- protected natural areas from damage
- directed implementation of planned works
- monitored job performance against target and took action to rectify
- identified and addressed risks to achieving planned outcomes
- communicated with stakeholders about work undertaken
- assessed and arranged work team upskilling
- ensured workplace health and safety policies and procedures were followed
- monitored adherence to biosecurity measures and sustainability practices.

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:

- conservation earthworks standards and principles, including:
 - erosion control and design principles
 - sediment control principles

- natural area topsoil protection and rehabilitation principles
- impact of earthworks on the ecology
- impact of geology on soils and subsequent earthworks activity and site access
- pest control required on earthworks, including:
 - site weeds
 - soil-borne pests and pathogens
 - strategies required to control or eradicate
- supervision techniques and strategies, including:
 - working with work teams
 - assessing performance
 - rectifying performance issues
 - reporting procedures
- work sequencing and scheduling
- equipment most suitable to the constructing of erosion and sediment control works, including:
 - earthmoving principles
 - principles of machine operation
- quality assurance systems, processes and practices
- staff deployment, supervision, skills assessment and training
- application of legislations and codes of practice, including:
 - workplace health and safety
 - environmental legislation, codes of practice
 - biosecurity
 - workplace policies and procedures
 - enterprise requirements to work site
- communications strategies to ensure stakeholders are engaged and informed, including:
 - working with the media
 - special interest groups
 - general public
 - clients and senior managers
- workplace health and safety hazards associated with conservation earthworks, and the controls necessary to remove or minimise associated risks
- state/territory legislative requirements related to conservation earthworks, environmental protection and biosecurity standards.

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 earthworks site or in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - materials and other resources as specified in project plans and specifications
 - tools and equipment required to perform earthworks activities
- specifications:
 - workplace policies and procedures for safety and supervision of work
 - earthworks plans and specifications
- relationships:
 - stakeholders
 - senior managers.

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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