



Australian Government

FWPCOT4212 Implement environmental management practices to a forestry operation site

Release: 1

FWPCOT4212 Implement environmental management practices to a forestry operation site

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to implement environmentally sustainable forest industry practices at a forestry operations work site. This includes undertaking consultative and audit processes to assess the effectiveness of environmental protection measures and to identify areas for improved practice.

The unit applies to individuals whose work involves applying environmental management practices to a forestry operation site.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

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. Identify and communicate measures for enhancing	1.1 Consult site plans and documents to identify environment protection measures required at forestry work site 1.2 Apply consultative processes to negotiate and agree on

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
environmental sustainability at forestry work site	environment protection measures to be implemented, processes, objectives and timelines 1.3 Establish action plan for implementation of environment protection measures 1.4 Communicate action plan to contractors, site personnel and other stakeholders 1.5 Confirm processes for assessing effectiveness of environment protection measures and revising measures to ensure ongoing improvement
2. Maintain quality of water, water bodies and adjacent land areas	2.1 Confirm environment protection measures to minimise the impact of forestry operations on water bodies/courses, adjacent land areas and water quality 2.2 Source and use water from locations other than mains water according to workplace procedures and environmental requirements 2.3 Optimise use of run-off water according to workplace procedures and environmental requirements 2.4 Implement strategies to minimise the impact of forestry operations on the integrity of water bodies/courses, adjacent areas and water quality
3. Maintain soil integrity	3.1 Confirm environment protection measures to minimise the impact of forestry operations on soil degradation, soil erosion, soil compaction and the siltation of water bodies 3.2 Implement environment protection measures to minimise soil erosion, nutrient removal, compaction, changes in organic matter content and soil water status
4. Maintain integrity of natural and cultural heritage assets	4.1 Confirm location of natural and cultural heritage assets in forestry operations site and adjacent land areas 4.2 Confirm environment protection measures to minimise the impact of forestry operations on natural and cultural heritage assets 4.3 Implement environment protection measures to minimise the impact of forestry operations on natural and cultural heritage assets
5. Complete environmental audit	5.1 Determine need and confirm procedures for an environmental audit 5.2 Conduct environmental audit according to workplace procedures 5.3 Engage contractors, site personnel and other stakeholders in the

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	conduct of the environmental audit 5.4 Document the outcomes of the environmental audit and provide detailed and verifiable recommendations for improvements to environment protection measures 5.5 Communicate outcomes of audit, including recommendations, to appropriate person 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	Read and interpret complex written documents and workplace procedures related to environment protection measures
Writing	Prepare written reports using technical language where precise meaning is required and rationale for recommendations is justified
Oral communication	Conduct face-to-face discussions with diverse audiences on environment protection measures
Numeracy	Analyse quantitative information and data

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT4212 Implement environmental management practices to a forestry operation site	FWPCOT5201 Implement sustainable forestry practices	New title Revised and added new Elements and Performance Criteria Revised Performance Evidence and Knowledge Evidence	Not equivalent

		Revised Assessment Conditions to comply with Standards for Training Packages	
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Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPCOT4212 Implement environmental management practices to a forestry operation site

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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 implemented environmentally sustainable forest industry practices at one work site to minimise the impact of forestry operations on the environment and natural and cultural heritage assets.

In performing this activity, the individual has:

- identified and planned environmental protection measures for each of the following assets:
 - water bodies
 - soil
 - natural and cultural heritage
- communicated environmental protection measures to relevant contractors, site personnel and other stakeholders
- managed implementation of environmental protection measures for at least one asset type
- conducted and documented an environmental audit for at least one asset type that includes recommendations for improving environmental protection 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:

- purpose and key content of environmental protection laws applicable to forestry operations
- key content of current government and industry environmental sustainability initiatives, codes of practice and guidelines
- environmental sustainability protection measures for forest settings:
 - minimising temporary, short-term, long-term and permanent damage to natural flora, fauna and landscape

- returning the environment to its original or near to original condition on completion of activity
- soil and water protection
- management of fire and weeds
- disposing of, recycling and reusing timber and other waste
- composting waste
- safely cleaning plant, tools and equipment
- protecting flora and fauna
- maintenance of culturally significant landscapes, natural or anthropogenic formations and constructions
- measures to maintain integrity of water bodies/courses and adjacent land areas
- irrigation and watering strategies that aim to:
 - minimise evaporation
 - minimise run-off
 - accurately deliver water
- environment protection measures to minimise soil erosion, nutrient removal, compaction, changes in organic matter content and soil water status
- format, content and use of audit reports
- environment protection measures to conserve natural and cultural heritage assets
- workplace policies and procedures for sustainable forestry practices.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated in a forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - access to a forestry operations work site
- specifications:
 - workplace safety and environmental policies and procedures applicable to forestry operations.

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

Links

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