



Australian Government

AHCPER107 Support resource conservation practices

Release: 1

AHCPER107 Support resource conservation practices

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Application

This unit of competency describes the skills and knowledge required to support resource conservation practices in a permaculture system, including the preparation of materials, tools and equipment and undertaking resource conservation activities.

The unit applies to individuals who work alongside a supervisor in most situations and exercise limited autonomy within established and well-known parameters. They identify and seek help with simple problems.

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

Pre-requisite Unit

Nil

Unit Sector

Permaculture (PER)

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 materials, tools and equipment for resource conservation	1.1 Identify, check and prepare materials, tools and equipment according to supervisor instructions 1.2 Adopt work practices to maximise productivity and time efficiency and minimise waste and resources 1.3 Follow instructions and directions provided by supervisor and seek clarification when unsure

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Undertake resource conservation practices as directed	2.1 Gather information on resource conservation in a permaculture system 2.2 Carry out resource conservation work according to workplace health and safety, and environmental procedures 2.3 Report problems or difficulties in completing work to required standards or timelines to supervisor
3. Store and stockpile materials	3.1 Store materials in designated areas according to work instructions 3.2 Prepare and process materials for use
4. Clean up on completion of resource conservation work	4.1 Clean, maintain and store tools and equipment 4.2 Maintain a clean and safe work site 4.3 Report job completion according to instructions and 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 information on permaculture systems and apply to work practices

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPER107 Support resource conservation practices	AHCPER102 Support resource conservation practices	Minor changes to Application for consistency Minor changes to Performance Criteria for	Equivalent

		clarity and compliance with standards Changes to Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity Addition of Foundation Skills	
--	--	---	--

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 AHCPER107 Support resource conservation practices

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

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 supported resource conservation practices on at least one resource conservation activity, and has:

- followed supervisor instructions
- gathered information on resource conservation
- stored, stockpiled and prepared materials according to supervisor instructions
- cleaned, stored, and reported progress on completion of work.

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:

- basic permaculture principles and practices
- basic tools and equipment used in resource conservation work
- basic principles of resource conservation, including:
 - reduce, reuse, recycle, repair, repurpose, restore, resource materials
 - minimal impact living
 - sustainable food production
 - energy efficiency
 - energy conservation through solar and wind power
 - resource conservation technologies, including composting toilets and grey water re-use
 - water catchment, storage and re-use
 - seed collection and seed banks
 - mulching and soil conservation
 - revegetation
- community and social interaction and support, including:

- resource banking
- seed banking
- co-operatives
- Local Energy Trading Systems (LETS)
- Skill-Share
- techniques used in resource conservation, including:
 - stockpiling resources
 - processing resources that cannot be stockpiled including composting, fermentation, drying
 - water storage and treatment
 - capture and storage of energy (heat capture in mass, basic turbine function)
- making connections between everyday living and sustainable use of resources.
-

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 permaculture garden or farm workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools and equipment used in resources conservation work
 - personal protective equipment
 - materials and consumables
- specifications:
 - workplace policies and procedures for health and safety
 - workplace instructions
 - information on resource conservation
- relationships:
 - supervisor.

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

Links

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