



Australian Government

Assessment Requirements for AHCPER517 Plan and supervise the implementation of permaculture project works

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 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, planned and supervised the implementation of a permaculture project and has:

- determined and reviewed project scope of work
- inspected site and verified site characteristics against project plan, including:
 - biophysical
 - environmental
 - historical
- assessed and resolved site technical challenges associated with implementation of permaculture works
- prepared schedules for implementation of permaculture works
- prepared a staged permaculture works plan
- prepared site-specific health, safety and environmental procedures
- engaged and briefed human resources on works and health and safety
- supervised permaculture project works and monitored and rectified quality issues
- inspected and finalised project works with client.

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:

- permaculture and organic principles and practices
- types and characteristics of permaculture project works, including:
 - food and community gardens
 - urban and rural permaculture systems
 - aquaculture, horticulture, forest systems

- agriculture grazing and pasture systems
- integrated food, fibre and energy systems
- permaculture infrastructure requirements
- sustainable soil management
- water management and distribution
- natural ecosystem conservation and regeneration
- permaculture design techniques, including zone and sector planning
- physical and biophysical factors of a site, including:
 - location and boundaries of site
 - environmental considerations
 - site access issues
 - utility service
 - adjacent landholder considerations
 - security issues
 - climatic conditions, including rainfall, humidity, wind and sunlight intensity
 - soil types and characteristics, including nutrients and deficiencies
 - property characteristics, including slope, aspect, natural and artificial watercourses, outcrops of rock, presence of significant vegetation
 - weeds and existing plants
 - feral or indigenous animals and their management
- practical understanding of the environmental issues associated with undertaking permaculture works, including:
 - use of materials that come from sustainable sources
 - duty of care in conserving sites natural values
 - work practices
 - the use and movement of machinery, storage of materials, removal of weeds and movement of soil and other materials into, across and beyond the site
- principles of ecology, including specific plant and animal relationships and habitat requirements
- statutory compliance and obligations, including:
 - compliance with legislation, ordinances, regulations or by-laws relating to the works or the work site
 - site responsibilities, including OHS, industrial relations and equal opportunity and employment
- site evaluation techniques, including methods of analysing soils, waterways and their condition
- soil conservation, erosion control and enhancement techniques and their advantages and disadvantages in reference to specific sites and habitats
- selection and use of machinery and tools
- work health and safety hazards, risks and controls
- contract documentation, including specifications, plans of permaculture works, services, supplies and surveyors documents

- planning and documenting project works, including:
 - scope of works
 - statement of works
 - works breakdown into tasks
 - scheduling and timelines
- quality assurance in project works, including interpretation and evaluation of specifications.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated for a permaculture system project or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools, equipment and resources of permaculture works
 - personal protective equipment
 - materials for project
- specifications:
 - workplace policies, procedures, processes
 - manufacturer operating instructions for equipment and machinery
 - safety data sheets
 - project plans and specifications
 - specific legislation and industry codes of practice
- relationships:
 - clients
 - work team and other stakeholders
- timeframes:
 - according to times specified in project plan.

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>