



Australian Government

Assessment Requirements for AHCPER505 Plan and supervise the implementation of permaculture project works

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

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:

- determine and review project scope of work
- assess a site for opportunities and constraints associated with implementation of permaculture works
- prepare schedules for implementation of permaculture works
- prepare a staged permaculture works plan
- complete a work health and safety briefing
- prepare a Statement of Environmental Effects
- supervise permaculture project works

Knowledge Evidence

The candidate must demonstrate knowledge of:

- permaculture principles and practices
- Permaculture project works, such as:
 - food gardens
 - community gardens
 - urban permaculture systems
 - rural permaculture systems
 - aquaculture systems
 - horticultural systems
 - forest systems
 - grazing and pasture systems
 - animal systems and tractors
 - integrated food, fibre and energy systems

- permaculture structures
- soil treatments
- preparation of soil surfaces
- installation of irrigation and/or drainage systems including earthworks
- planting methods such as hand sowing, direct seeding, tube planting, hand or machine assisted planting of seedlings, planting of divisions and transplanting
- natural area regeneration
- fencing of stock and pest animals
- the cultural or biological control of weeds and feral animals
- protection of plants by staking, tying and guarding
- permaculture design techniques including zone and sector planning
- biophysical factors of a site, such as:
 - location of the site
 - site boundaries
 - environmental considerations
 - access issues
 - potential hazards
 - utility service
 - availability and locations
 - adjacent landholder considerations
 - security issues
 - aspect of the site
 - rainfall
 - humidity
 - wind and sunlight intensity
 - soil types
 - nutrients and deficiencies
 - slope
 - natural and artificial watercourses
 - outcrops of rock
 - presence of indigenous or other significant vegetation, indigenous or otherwise
 - plants that may become a weed problem
 - animals that may become a management issue, feral species or otherwise
- practical understanding of the environmental issues associated with undertaking permaculture works, such as:
 - 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, such as
 - 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
- control techniques against unwanted plant and animal species
- soil conservation, erosion control and enhancement techniques and their advantages and disadvantages in reference to specific sites and habitats
- selection and use of appropriate combinations of machinery and tools
- work health and safety hazards and the controls necessary to remove or minimise risks associated with them
- contract documentation including specifications, plans of permaculture works, services, supplies and surveyors documents
- scope of works determination
- works breakdown into tasks
- scheduling and time line generation
- task specifications and evaluation

Assessment Conditions

Assessors must satisfy current standards for RTOs. Assessors must also have a nationally accredited Diploma of Permaculture. Completion of a Permaculture Design Course (PDC) or non-accredited Permaculture Diploma is not sufficient at this level.

Links

Companion Volume implementation guides are found in VETNet -

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