



Australian Government

Assessment Requirements for AHCPER204 Check and operate permaculture water systems

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:

- prepare to set up a permaculture water system
- set up water systems
- monitor water flows
- place system components in a way that gives most effect and greatest yield
- inspect earthworks for passive water catchment, storage and movement

Knowledge Evidence

The candidate must demonstrate knowledge of:

- permaculture principles and practices in relation to water systems
- behaviour of water in the natural environment
- reading natural water flows
- operation of permaculture water systems, such as:
 - irrigation systems
 - water collection and storage containers (tanks, dams)
 - recycling
 - waste-water systems
 - water conservation approaches
 - swales
 - contour banks
 - mulch pit and path systems
 - dams
 - chinampas
 - free-flowing water (streams, rivers)

- aquaculture systems
- aquaponics systems
- productive water bodies (lakes, the sea)
- earthworks for passive water catchment, storage and yield
- components of a water system and their cleaning and storage requirements
- water conservation and management principles and practices including working with passive systems, swales, terraces, dams and other earthworks
- passive harvesting, movement and nutrient adding systems including appropriate earthworks
- biological filtering of water into and out of a permaculture water system

Assessment Conditions

Assessors must satisfy current standards for RTOs. Assessors must also hold a nationally accredited Certificate III (or higher) in Permaculture to assess this unit of competency and/or have completed a Permaculture Design Course (PDC) and/or have completed the Permaculture Demonstrator Skill Set.

Links

Companion Volume implementation guides are found in VETNet -

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