



Australian Government

Assessment Requirements for NWPTRT048 Monitor and operate reclaimed water irrigation

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes:

- applying reclaimed water irrigation according to workplace procedures
- monitoring, operating and maintaining equipment and systems for irrigating reclaimed water
- monitoring, recording and reporting reclaimed water usage and runoff volumes
- reporting data outside of specified parameters to relevant personnel
- sampling and testing of reclaimed water and determining composition

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of:

- components of irrigation systems
- composition of reclaimed water and impacts of levels of the following including:
 - algae
 - nutrients
 - other solids
 - pH
 - salt
- crop watering requirements
- impacts of over irrigation including environmental issues
- irrigation systems infrastructure
- potential environmental impacts from using reclaimed water
- principles of irrigation scheduling
- relevant legislation, regulations and workplace procedures
- water recycling guidelines

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training

Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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