



Australian Government

Assessment Requirements for NWPCAD018 Monitor and operate bulkwater transfer systems

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 workplace procedures and industry standards
- collecting and recording data
- identifying and responding to operational problems
- identifying hazards and determining control measures
- identifying system faults
- monitoring and operating bulkwater transfer systems
- operating bulkwater systems
- planning and preparing for work
- producing reports
- regulating water flow
- regulating water pressure
- using safety and personal protective equipment

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:

- bulkwater transfer system layout
- control systems
- effects of weather and conditions on systems, site or plant
- environmental aspects of operation
- equipment operation, capacity and limitations
- forces including gravitational, valve operation, hydraulic and pumps
- illegal connections
- lock-out procedures for mechanical and electrical installations
- methods for collecting data
- relevant legislation, regulations and workplace procedures
- relevant utilities and service bodies

- risk factors and potential hazards of operating water transfer systems
- system hydraulics

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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