



Australian Government

Assessment Requirements for NWPNET051 Monitor and operate water distribution 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:

- analysing and reporting system performance data
- collecting and analysing technical information
- completing relevant work documentation
- conducting routine inspections
- controlling system operations
- identifying and investigating operational problems
- identifying and reporting control system faults
- interpreting a range of technical documentation
- meeting organisational standards for optimising water distribution performance
- monitoring and coordinating the operation of bulkwater and water distribution systems
- responding to and correcting operational problems

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:

- chemical use requirements
- control systems
- coordination and control of processes
- effects of weather and conditions on operation of bulkwater and water distribution systems
- environmental aspects of bulkwater and water distribution systems
- equipment operation
- forces including gravitational, valve operation, hydraulic and pumps
- relevant legislation, regulations and workplace procedures
- relevant utilities and service bodies
- risk management principles
- types of pipes and fittings

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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