



Australian Government

Assessment Requirements for NWPTRT020 Operate and control membrane filters

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:

- collecting data and completing required documentation
- identifying and correcting operational problems
- identifying and reporting faults
- identifying control system faults
- making process adjustments of at least one of the following:
 - backwash frequency
 - clean in place cycles
- monitoring test results and processes
- interpreting Trans Membrane Pressure data
- taking samples and performing tests

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 membrane filtration equipment
- equipment operation, capacity and limitations
- mechanical and electrical control systems
- membrane filter operation, capacity and limitations
- principles of membrane filtration processes for water or wastewater treatment
- relevant legislation, regulations and workplace procedures
- risk factors and potential hazards involved with membrane filtration processes
- safety data sheets
- system layout

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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