



Australian Government

Assessment Requirements for NWPTRT043 Operate and control membrane filters

Release: 1

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Modification History

Release	Comments
1	These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages. Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- identifying and correcting operational problems
- producing reports and logs
- performing system calculations
- identifying control system faults
- monitoring test results and processes
- identifying and reporting faults
- taking samples and performing basic tests
- making basic process adjustments, including at least one of:
 - pH correction
 - backwash frequency
 - clean in place cycles
- collecting data and completing required documentation

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- system layout
- system processes
- lockout procedures for mechanical and electrical installations
- hazardous materials handling

- risk factors and potential hazards involved with membrane filtration processes
- interpretation of safety data sheets
- equipment operation, capacity and limitations
- pumping and valving systems
- mechanical and electrical control systems
- principles that form the basis of membrane filtration processes for water or wastewater treatment

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

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

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