



Australian Government

Assessment Requirements for NWPTRT041 Operate and control granular media filters

Release: 1

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Modification History

Release	Comments
1	<p>These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages.</p> <ul style="list-style-type: none"> Assessment Requirements created drawing upon specified assessment information from superseded unit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.

- solving operational problems
- completing reports and logs
- using safety and personal protective equipment
- performing process calculations
- performing system calculations
- identifying control system faults
- monitoring test results and processes
- identifying and reporting faults
- conducting routine plant inspections
- taking samples and performing basic tests
- making basic process adjustments, including at least one of:
 - pH correction
 - filtration rate
 - backwash settings
 - filter aid dosing
- 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.

- pressure sand filter hydraulics, gravity sand filter hydraulics, backwash hydraulics
- system layout
- lockout procedures for mechanical and electrical installations
- hazardous materials handling
- risk factors and potential hazards relating to granular media filtration processes
- equipment operation, capacity and limitations
- pumping and valving systems
- control systems policies and procedures for storing and handling dangerous goods and chemicals
- interpretation and use of material safety data sheets
- principles that form the basis of granular media filtration processes

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.

Some components of this unit require assessment in a workplace environment therefore the unit is not suitable for fully external or electronic based assessment.

Consideration must be given to holistic assessment for this unit. Refer to advice in the companion volumes.

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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