



Australian Government

Assessment Requirements for NWPTRT081 Operate and control activated sludge processes

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• Assessment Requirements created drawing upon specified assessment information from superseded unit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. The candidate must be assessed in at least one of the processes listed in the Range of Conditions. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- identifying and correcting operational and control process problems
- completing logs
- determining chemical dosing
- identifying and reporting faults
- applying basic formulae

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.

- basic hydraulics
- relevant hazards and risks factors
- basic microscopy
- basic biology and chemistry applying to process
- flow measurement
- process layout
- process issues
- chemicals used for pH control, odour control, nutrient removal
- features and components of activated sludge processes
- operational problems such as sludge bulking and foaming

- control of solids
- chemical and biological principles that form the basis of activated sludge wastewater treatment

Candidate should demonstrate basic knowledge of all processes listed in Range of conditions.

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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