



Australian Government

Assessment Requirements for NWPTRT082 Operate and control nutrient removal processes

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 • Assessment Requirements created drawing upon specified assessment information from superseded unit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. 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.

- completing logs
- determining chemical dosing requirements
- identifying and reporting faults
- conducting routine plant inspections
- applying basic formulae, including at least one of:
 - chemical dosing
 - recycled flows
 - mixed liquor recycle
- taking samples and performing basic tests, including at least one of:
 - nitrogen
 - ammonia
 - nitrate
 - total nitrogen
 - ortho-phosphorus
 - mixed liquor suspended solids
 - pH
 - solids analysis
 - jar testing

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 biology and chemistry that applies to the process
- nutrient removal principles
- relevant hazards and risks factors
- chemicals used for pH, nutrient removal
- basic hydraulics
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Assessment Conditions

Competency will need to be demonstrated over a period of time reflecting the scope of the role and the practical requirements of the workplace, the evidence collected must relate to a number of performances assessed at different points in time and separated by further learning and practice.

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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