



Australian Government

Assessment Requirements for NWPTRT071 Operate and control pre-treatment 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 Assessment Requirements created drawing upon specified assessment information from superseded unit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. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- performing calculations including ratios
- reading and applying procedures and standards
- giving and receiving instructions
- identifying control system faults and operational problems
- using verbal and written communication in the workplace
- monitoring, operating and reporting on wastewater pre-treatment processes, including at least one of:
 - screening
 - gravity and aerated grit chambers
 - gross pollution traps
 - removal and disposal of screenings
 - shredding
 - odour removal
 - oily water separators
 - riffle plate separators
- planning and preparing for work
- collecting and labelling samples and performing tests including, at least one of:
 - settling tests
 - pH
 - dissolved oxygen
 - suspended solids

- chemical oxygen demand
- inspecting plant and monitoring processes
- collecting and recording data
- operating and adjusting processes, including at least one of:
 - pH correction
 - dissolved oxygen levels
 - flow control
 - screen rotation frequency
 - solids removal
 - chemical additions
 - plant performance data
 - chemical usage
- recording all required information

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.

- principles of and need for effective pre-treatment
- system layout
- policies, procedures and legislation applied to wastewater pre-treatment processes
- relevant utilities and service bodies
- communication systems
- work-related calculations
- risk factors and potential hazards relating to wastewater treatment
- equipment operation, capacity and limitations
- pumping and valving systems
- control systems
- impacts of hydraulic loads on 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.

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

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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