



Australian Government

Assessment Requirements for NWPTRT047 Monitor, operate and control lagoon processes

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes:

- collecting and labelling samples
- collecting and recording data
- completing required documentation
- identifying and reporting process faults
- making process adjustments
- monitoring, operating and reporting on lagoon processes
- taking samples and performing onsite tests including:
 - dissolved oxygen
 - pH
 - temperature

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of:

- communication processes
- features and components of wastewater lagoon systems
- flow measurement
- operational problems
- plant layout
- principles of lagoon wastewater treatment
- recirculation principles
- relevant legislation, regulations and workplace procedures
- risk factors and potential hazards relating to wastewater lagoon systems
- types of lagoon processes including:
 - aerated
 - anaerobic
 - facultative

- maturation
- sludge

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

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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