



**Australian Government**

# **Assessment Requirements for NWPTRT038 Operate and control fixed film processes**

**Release: 1**

# **Assessment Requirements for NWPTRT038 Operate and control fixed film processes**

## **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 data and completing required documentation
- completing reports
- conducting routine asset inspections
- identifying and correcting operational and control system problems
- identifying and reporting faults
- making process adjustments
- monitoring test results
- performing relevant process calculations
- taking samples and performing tests

## **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:

- asset layout
- equipment operation, capacity and limitations
- features and components of fixed film systems
- fixed film adjustment processes
- flow measurement
- operational problems
- principles of fixed film aerobic wastewater treatment
- process calculations
- process operation and monitoring
- recirculation principles
- relevant legislation, regulations and workplace procedures
- risk factors and potential hazards relating to fixed film systems
- types of fixed film processes and variations
- process calculations including:

- hydraulic and organic loading rates
- recirculation ratios
- tests including:
  - dissolved oxygen
  - microscopic observation
  - pH
  - settling tests

## 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>

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>