



**Australian Government**

# **Assessment Requirements for NWPTRT039 Operate and control solids handling 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 data and completing required documentation
- conducting routine plant inspections
- identifying and reporting faults
- making process adjustments according to process performance indicators
- monitoring test results and processes
- preparing and applying chemical dosing
- taking samples and performing tests and calculations on at least one of the following:
  - centrate or filtrate clarity
  - solids handling process efficiency
  - jar testing
  - sludge density
  - solids analysis

## **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:

- chemical dosing processes
- chemicals used for sludge conditioning including polymers
- equipment operation, hazards, capacity and limitations
- features and components of thickening and dewatering systems
- hazardous materials handling
- plant layout
- principles of solids handling processes
- relevant legislation, regulations and workplace procedures
- safety data sheets
- solids classifications and reuse options

## 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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