



Australian Government

Assessment Requirements for NWPTRT010 Operate and control sedimentation and clarification processes

Release: 1

Assessment Requirements for NWPTRT010 Operate and control sedimentation and clarification 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:

- completing required documentation
- conducting routine plant inspections
- identifying control system faults
- making system adjustments
- monitoring sludge blanket levels
- performing process calculations
- preparing and applying chemical dosing
- 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:

- chemical dosing processes
- control systems
- effects of weather and conditions on operation of site or plant
- enhanced particle settling theory
- equipment operation, capacity and limitations
- relevant legislation, regulations and workplace procedures
- risk factors and potential hazards relating to water or wastewater treatment
- sedimentation and clarification processes including chemical and biological principles
- sedimentation and clarification theory and operation
- settling aids
- system layout

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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