



Australian Government

Assessment Requirements for NWPTRT031 Operate and control sedimentation and clarification 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 • Assessment Requirements created drawing upon specified assessment information from superseded unit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.

- producing reports and logs
- performing process calculations
- preparing and applying chemical dosing
- identifying control system faults
- sampling and testing products
- conducting routine plant inspections
- taking samples and performing basic tests
- making basic system adjustments
- completing required documentation

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.

- system layout
- lockout procedures for mechanical and electrical installations
- relevant utilities and service bodies
- settling aids
- theory of enhanced particle settling including chemical and physical processes
- hazardous materials handling
- environment, landscape and ground structure of work area

- risk factors and potential hazards relating to water and/or wastewater treatment
- chemical dosing processes
- equipment operation, capacity and limitations
- effects of weather and conditions on operation of site or plant
- pumping and valving systems
- control systems' policies and procedures for storing and handling dangerous goods and chemicals
- SDS
- coagulation/flocculation theory and operation
- chemical and/or biological principles that form the basis of sedimentation and clarification 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.education.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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