



Australian Government

Assessment Requirements for NWPNET043 Monitor and operate bulkwater transfer systems

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 • Assessment Requirements created drawing upon specified assessment information from superseded unit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.

- operating bulkwater systems
- identifying and responding to operational problems
- collecting data
- producing reports and logs
- using safety and personal protective equipment
- using tools and machinery
- following plans, charts, specifications and instructions
- performing work-related calculations
- applying procedures and standards
- using communication equipment
- identifying system faults
- identifying hazards
- monitoring and operating bulkwater transfer systems
- planning and preparing for work
- monitoring transfer system performance
- collecting and recording data
- regulating water flow
- regulating water pressure

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 hydraulics basics
- system layout
- environmental aspects of operation
- lock-out procedures for mechanical and electrical installations
- relevant utilities and service bodies
- communication systems
- hazardous materials handling
- landscape and ground structure of work area
- risk factors and potential hazards of operating water transfer systems
- equipment operation, capacity and limitations
- effects of weather and conditions on systems, site or plant
- use and characteristics of:
 - pumps
 - weirs
 - valves
 - flow meters
 - run time meters
- diurnal variations
- wet and dry pump wells
- illegal connections
- control systems
- disinfection of systems and chemical usage
- forces including gravitational, valve operation, hydraulic and pumps

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.

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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