



Australian Government

Assessment Requirements for NWPNET022 Maintain and repair network assets for drinking water

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.

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. The candidate must be assessed on at least two of the network assets listed in the Range of Conditions. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- planning work site including personnel, equipment, materials
- requesting permits, approvals, other utilities diagrams and maps
- implementing appropriate controls
- using tools and specific water equipment
- selecting and applying appropriate PPE
- performing work-related calculations
- applying disinfection to tools and materials
- using communication tools including phones and laptops
- interpreting plans, instructions and procedures
- ensuring system hygiene and water quality
- determining location, size, utilities, services from plans, specifications and organisational procedures
- applying excavation techniques
- maintaining and repairing assets
- maintaining and repairing tanks by monitoring and operating flow-regulating devices to isolate tanks
- maintaining and repairing minor structures by laying concrete

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

- environmental aspects of maintenance
- relevant legislation, policies and procedures
- material safety data sheets (SDS)
- landscape and ground structure of work area
- risk factors and potential hazards of maintenance processes
- equipment operation, capacity and limitations
- control systems
- disinfection of systems and chemical usage
- pipe systems and installation requirements
- characteristics of pipe materials
- testing and sampling systems
- corrosion principles applicable to service pipes and fittings
- operation of water meters
- formwork preparation and positioning
- methods of repairing concrete, brick and stone structures
- concrete placement techniques, including compaction
- relevant utilities and service bodies to identify allocation of road reserve
- effects of weather and conditions on construction site or plan
- requirements around excavation

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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