



Australian Government

Assessment Requirements for NWPNET023 Maintain and repair network assets for wastewater

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 i.e. personnel, equipment, materials
- requesting permits, approvals, other utilities diagrams and maps
- conducting risk implementing appropriate environmental controls
- using tools and specific wastewater equipment
- selecting and applying PPE
- preserving personal safety
- performing work-related calculations
- identifying and responding to operational problems including main, connection chokes, pump stations and faults
- using communication tools including phones and laptops
- interpreting plans, instructions and procedures
- determining location, size, utilities, services from plans, specifications and organisational procedures
- applying excavation techniques
- maintaining and repairing wastewater pipes and fittings by:
 - undertaking excavation
 - clearing chokes
 - undertaking CCTV inspection for roots intrusion, storm water ingress and infiltration
 - jet foaming
 - jet cleaning
 - installing connections
 - installing pipes and fittings
 - measuring and cutting pipes
 - making joints

- selecting and placing bedding and backfill material
- locating and repairing chokes
- repairing valves
- controlling flows in gravity networks
- maintaining and repairing structures by:
 - undertaking excavation
 - repairing access chambers
 - maintaining pump stations

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
- infiltration
- roots intrusion
- storm water ingress
- excavation techniques
- ground support systems
- environmental and health aspects and impacts
- relevant legislation, policies and procedures
- safety data sheets (SDS)
- landscape and ground structure of work area
- equipment operation, capacity and limitations
- control systems
- pipe systems and installation requirements
- characteristics of pipe materials
- testing and sampling systems
- 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 plant
- requirements around excavation
- Cathodic Protection, Denso wrap, Stopaq

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.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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