



Australian Government

NWPNET045 Test and commission wastewater collection systems

Release: 1

NWPNET045 Test and commission wastewater collection systems

Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to NWP308B Test and commission wastewater collection systems. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • One new PC added to Element 4 • PC 4.1 and 4.2 merged

Application

This unit describes the outcomes required to plan and implement the testing and commissioning of wastewater collection systems. The ability to interpret technical information, identify and assess hazards and perform technical testing procedures is essential to performance.

This unit applies to those working as field staff and operators with specific responsibility for commissioning wastewater collection systems, post-installation or repair, and for ensuring that the functioning of the system complies with relevant specifications and organisational requirements.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to, particularly those related to WHS, and manufacturer specifications.

Those undertaking this unit would work under indirect supervision, while performing routine tasks in a familiar context, ensuring minimum damage to the environment.

No licensing, legislative or certification requirements apply to unit at the time of publication.

Competency Field

Networks

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Plan and prepare for testing and commissioning	1.1 Identify and interpret the system operation requirements. 1.2 Confirm and schedule testing and commissioning tasks. 1.3 Identify and assess potential hazards and take required preventative measures. 1.4 Select and use tools and equipment. 1.5 Check testing equipment for accuracy and correct malfunctions.
2. Conduct pipeline and access structure testing procedures	2.1 Select and install tensioning and measuring equipment. 2.2 Select and fit gauges of the correct range to test equipment. 2.3 Carry out testing procedures. 2.4 Locate failed pipes, joints and fittings and reschedule reporting and testing. 2.5 Locate and report failed maintenance holes, inspection shafts, maintenance shafts or other access structures and reschedule further testing.
3. Commission the wastewater collection system.	3.1 Ensure the system is operational. 3.2 Restore the work site. 3.3 Check, maintain and store equipment tools and materials.
4. Record and report results	4.1 Maintain workplace and calibration records and certificates. 4.2 Collect and store all testing and compliance results.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning NA					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to NWP308B Test and commission wastewater collection systems.

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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Assessment Requirements for NWPNET045 Test and commission wastewater collection systems

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.

- monitoring work processes and ensuring safe work practices
- identifying, reporting and recording hazards and risks
- using personal protective equipment
- participating in ensuring compliance with standards, regulations and policies
- maintaining and checking records and documents
- planning and implementing the testing and commissioning of wastewater collection systems
- interpreting the testing requirements of the system from relevant plans and documentation
- preparing and checking testing equipment
- assessing risks and hazards and taking appropriate preventive measures
- using testing equipment
- applying testing procedures
- identifying and reporting faulty system components
- making the system operational and conducting post-commissioning checks
- restoring the worksite
- completing relevant 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.

- WHS on work sites
- the risk factors and potential hazards of test procedures
- characteristics of pipes, materials and fittings
- an overview of wastewater system and water industry operations
- layout and construction of wastewater collection systems
- testing procedures for wastewater systems
- relevant definitions, terminology, symbols and language

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

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