



Australian Government

NWPNET022 Maintain and repair network assets for drinking water

Release: 1

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Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. • New unit, created drawing upon information from deleted units NWP245B, NWP254B, NWP253B and NWP229B

Application

This unit describes the skills required to maintain a variety of water distribution assets including storages, pumping stations, dosing stations and pipelines.

This unit applies to those working as field staff with specific responsibility for ensuring the repair and maintenance of water assets.

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.

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 work	1.1 Conduct risk assessment for environmental, safety and water quality factors. 1.2 Determine work requirements, materials and configuration from

	plans, specifications, instructions and/or organisational procedures. 1.3 Check coordination issues with relevant personnel, including isolations, licences and permits to work. 1.4 Identify networks system operation requirements. 1.5 Arrange appropriate site protection. 1.6 Identify and notify customers of supply interruption.
2. Conduct maintenance and repairs	2.1 Isolate the work area. 2.2 Determine appropriate repair method from job specifications and instructions. 2.3 Ensure materials, pipes and fittings are clear of any contaminants before installing. 2.4 Sterilise fittings and repair materials. 2.5 Check maintenance and repairs to assets to ensure specifications are met. 2.6 Restore work site to meet environmental and organisational requirements.
3. Review, report and record work	3.1 Check, tag and report faulty equipment and tools. 3.2 Store equipment, tools and materials. 3.3 Complete workplace records.

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					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.

Range of Conditions

Network assets include:	• network water mains and services • network storages • network pump stations • bore fields
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Unit Mapping Information

No equivalent unit.

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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