



Australian Government

NWPNET061 Maintain and repair network assets for drinking water

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

Application

This unit involves the skills and knowledge required to maintain and repair network assets for drinking water.

It includes conducting maintenance and repairs on a variety of water distribution assets including storages, pumping stations, dosing stations and pipelines. It also includes reviewing, reporting and recording work.

This unit applies to those working as field staff with specific responsibility for ensuring the repair and maintenance of water assets. Those undertaking this unit would work under appropriate supervision while performing routine tasks in a familiar context and ensuring minimum damage to the environment.

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

Pre-requisite Unit

Not applicable.

Competency Field

Networks

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1 Prepare for work**
 - 1.1** Conduct risk assessment for environmental, safety and water quality factors to ensure worksite is safe to work
 - 1.2** Determine work requirements, materials and configuration from plans, specifications, instructions and workplace procedures
 - 1.3** Check coordination issues with relevant personnel, including isolations, licences and permits to work
 - 1.4** Identify network system operation requirements
 - 1.5** Identify, notify and communicate with customers according to workplace procedures
 - 1.6** Select, fit and use personal protective equipment (PPE)
- 2 Conduct maintenance and repairs**
 - 2.1** Isolate infrastructure according to workplace procedures
 - 2.2** Determine appropriate repair method from job specifications and instructions
 - 2.3** Ensure materials, pipes and fittings are appropriately disinfected prior to installation
 - 2.4** Flush assets according to workplace procedures
 - 2.5** Check maintenance and repairs to assets to ensure specifications are met according to workplace procedures
 - 2.6** Dispose of waste generated by flushing according to workplace policies and procedures, as required
 - 2.7** Restore worksite according to environmental and workplace procedures
- 3 Review and report work**
 - 3.1** Tag and report faulty equipment and tools and advise appropriate personnel
 - 3.2** Store equipment, tools and materials according to manufacturer and workplace instructions

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the NWP National Water Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to NWPNET039 Maintain and repair network assets for drinking water.

Links

Companion Volume Implementation Guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>