



**Australian Government**

# **NWPNET046 Maintain and repair network assets for bulkwater**

**Release: 1**

# NWPNET046 Maintain and repair network assets for bulkwater

## 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 bulkwater.

It includes preparing for work, conducting maintenance and repair work and cleaning, flushing and disinfecting.

This unit applies to those working as field staff with responsibility for ensuring maintenance and repair work on bulkwater assets is completed in a safe and timely manner. 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.

#### **1 Prepare for maintenance**

### PERFORMANCE CRITERIA

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

- 1.1** Determine work requirements for the maintenance and repair of assets from work drawings, plans, specifications and instructions

- |                                                         |            |                                                                                                |
|---------------------------------------------------------|------------|------------------------------------------------------------------------------------------------|
|                                                         | <b>1.2</b> | Select and check equipment and tools required to meet safety requirements of task and worksite |
|                                                         | <b>1.3</b> | Select, fit and use personal protective equipment (PPE)                                        |
| <b>2 Maintain and repair assets, pipes and fittings</b> | <b>2.1</b> | Repair or replace assets according to workplace procedures                                     |
|                                                         | <b>2.2</b> | Perform appropriate disinfections before installing pipes and fittings                         |
|                                                         | <b>2.3</b> | Perform disinfection and flushing according to workplace procedures                            |
|                                                         | <b>2.4</b> | Check work to ensure it complies with specifications                                           |
| <b>3 Finalise work</b>                                  | <b>3.1</b> | Tag and report faulty equipment, tools and materials and advise appropriate personnel          |
|                                                         | <b>3.2</b> | Restore worksite according to environmental and workplace procedures                           |
|                                                         | <b>3.3</b> | Complete and process workplace records 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 Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to NWPNET024 Maintain and repair network assets for bulkwater.

## 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 NWPNET046 Maintain and repair network assets for bulkwater**

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## **Performance Evidence**

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes:

- checking work, restoring worksite, storing equipment and completing documentation
- conducting cleaning, flushing and disinfection
- conducting maintenance and repair work on bulkwater assets
- following plans and instructions
- performing maintenance and repair tasks according to manufacturer specifications and workplace procedures
- planning and preparing the worksite
- recording work activities
- using safety equipment and personal protective equipment

## **Knowledge Evidence**

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of:

- control system procedures
- disinfection procedures
- environmental aspects of operation and maintenance
- landscape and ground structure of work area
- lock-out procedures
- mobile technology
- pipes and fittings
- relevant legislation, policies and procedures.
- system hydraulics
- work drawings, plans, specifications and instructions

## **Assessment Conditions**

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

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