



Australian Government

NWPNET024 Maintain and repair network assets for bulkwater

Release: 1

NWPNET024 Maintain and repair network assets for bulkwater

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 NWP244B Maintain and repair bulkwater assets. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • Unit title changed to better reflect unit outcomes

Application

This unit of competency describes the skills required to maintain and repair bulkwater assets, including planning and preparing for work, conducting maintenance and repair work, and cleaning, flushing and disinfecting as appropriate.

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

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 manufacturers' guidelines, WHS, lock out, disinfection and maintenance.

Those undertaking this unit would work independently or in a team using own familiar resources, while performing routine tasks in a range of familiar contexts.

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 maintenance	1.1 Determine work requirements for the maintenance and repair of assets from work drawings, plans, specifications and instructions. 1.2 Select and check equipment and tools required to meet safety requirements of task and site. 1.3 Select, fit and use personal protective equipment.
2. Maintain and repair assets, pipes and fittings	2.1 Repair or replace leakages and damaged assets. 2.2 Check and clean pipes and fittings before use. 2.3 Select fittings and tools and lay and/or join assets. 2.4 Conduct preventative maintenance according to organisational maintenance programs. 2.5 Perform cleaning, flushing and disinfection. 2.6 Check work to ensure that specifications have been met.
3. Finalise work	3.1 Check, maintain and store equipment, tools and materials. 3.2 Restore work site to meet environmental and organisational requirements. 3.3 Complete workplace records and process them as required.

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 NA					Numeracy NA				

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 NWP244B Maintain and repair bulkwater assets.

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 NWPNET024 Maintain and repair network assets for bulkwater

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.

- dewatering and cleaning system and structures
- maintaining surface protection
- recording work activities
- following plans and instructions
- using safety equipment and personal protective equipment
- conducting maintenance and repair work on bulkwater assets
- planning and preparing the work site
- performing maintenance and repair tasks according to manufacturer specifications and organisational requirements
- conducting cleaning, flushing and disinfection
- checking work, restoring work site, storing equipment and completing 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.

- risk factors and potential hazards involved in maintenance of bulkwater asset processes
- component parts
- system hydraulics basics
- system layout
- environmental aspects of operation and maintenance

- lock-out procedures for mechanical and electrical installations
- landscape and ground structure of work area
- control systems
- disinfection procedures

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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