



Australian Government

NWPCAD018 Monitor and operate bulkwater transfer systems

Release: 1

NWPCAD018 Monitor and operate bulkwater transfer systems

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 monitor and operate bulkwater transfer systems.

It includes preparing for work, monitoring system performance and usage and regulating flow. It also includes conducting routine maintenance, identifying the causes of fluctuating demand and collecting data.

This unit applies to those working as staff with specific responsibility for ensuring that the operation of bulk water transfer systems complies with legislative and organisational requirements. Those undertaking this unit would work under appropriate supervision, while performing routine tasks in a familiar context, 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

Catchment and Dams

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare work

PERFORMANCE CRITERIA

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

1.1 Determine work requirements from job specifications and plans

- | | | |
|----------|---|---|
| | 1.2 | Perform site check to prevent damage to other utilities and the environment according to workplace procedures |
| | 1.3 | Select and check equipment to meet safety requirements of task and worksite |
| | 1.4 | Select, fit and use personal protective equipment according to workplace procedures |
| | 1.5 | Identify hazards with operating bulk water systems and determine control measures |
| 2 | Monitor system performance and usage | |
| | 2.1 | Conduct routine monitoring programs according to workplace maintenance schedules |
| | 2.2 | Identify faults causing fluctuations in demand and system changes causing dirty water |
| | 2.3 | Collect, analyse and record data on system performance and usage |
| | 2.4 | Collect process samples and conduct standard tests according to workplace procedures |
| 3 | Regulate flow | |
| | 3.1 | Monitor and adjust flow regulating systems to meet demand requirements |
| | 3.2 | Regulate and divert flows to facilitate repair or emergency activities |

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 NWPNET043 Monitor and operate bulkwater transfer systems.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>