



Australian Government

NWPNET051 Monitor and operate water distribution systems

Release: 1

NWPNET051 Monitor and operate water distribution systems

Modification History

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

Application

It includes coordinating the operation of bulkwater or water distribution systems and measuring and reporting on the operation of the system. It also includes interpreting technical documentation, identifying and investigating operational problems and collecting and analysing technical information.

This unit applies to those working as field staff and operators with a specific responsibility for inspecting and measuring the performance of bulkwater or water distribution systems and for ensuring that flow, pressure and volume parameters are regulated according to organisational specifications and system demands. 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.

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|---|--|
| 1 Monitor system performance and usage | 1.1 Select and check equipment and tools required for monitoring system performance |
| | 1.2 Schedule and conduct routine inspections and report identified faults to relevant personnel |
| | 1.3 Collect, analyse and report system performance and usage data |
| | 1.4 Monitor and coordinate sample collection and records according to workplace procedures |
| 2 Regulate flow, pressure and volume | 2.1 Inspect and adjust flow regulating systems according to performance measures |
| | 2.2 Monitor and adjust pressures and volumes |
| | 2.3 Monitor flows and diversions required for repair |
| 3 Operate and control distribution processes | 3.1 Control distribution processes to maintain required parameters of operation |
| | 3.2 Identify, address and report process faults to relevant personnel |
| | 3.3 Optimise process performance according to workplace procedures |
| 4 Compile process reports | 4.1 Compile reports from system data according to workplace procedures |
| | 4.2 Record the condition of equipment and report faults or anticipated problems to relevant personnel |

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 NWPNET041 Monitor and operate water distribution systems.

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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