



Australian Government

NWPCAD022 Coordinate and monitor groundwater system usage

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 coordinate and monitor groundwater system usage.

It includes coordinating and monitoring the use of groundwater as a source of water supply, ensuring Ground Water Management Plan (GWMP) performance measures are met, environmental issues are addressed and a source of supply is maintained.

This unit applies to workers with a specific responsibility for ensuring groundwater systems usage complies with the GWMP and assets and processes comply with organisational and statutory requirements. Those undertaking this unit would work autonomously, usually with supervisory responsibilities, while performing complex tasks in a range of contexts.

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 Confirm GWMP performance measures

PERFORMANCE CRITERIA

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

1.1 Identify groundwater management, stakeholder and water quality and quantity requirements

	1.2	Gather and apply historical groundwater information
	1.3	Identify environmental factors and issues impacting on groundwater
2	Monitor and coordinate processes	2.1 Conduct monitoring and testing programs according to workplace procedures
	2.2	Monitor groundwater usage and quality
	2.3	Identify, investigate and report breaches of usage provisions and changes to quality parameters
3	Monitor performance of assets	3.1 Identify hazards, assess risks and implement control measures according to workplace procedures
	3.2	Inspect and monitor assets to ensure performance meets specifications in plan
	3.3	Select, fit and use personal protective equipment
	3.4	Develop and schedule maintenance programs to meet current and potential problems
4	Report on groundwater system usage	4.1 Analyse, record and report coordination and monitoring data
	4.2	Identify and investigate current and potential problems
	4.3	Report investigation results and recommendations 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 NWPSOU053 Coordinate and monitor groundwater

system usage.

Links

Companion Volume implementation guides are found in VETNet -

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