



Australian Government

NWPSOU053 Coordinate and monitor groundwater system usage

Release: 1

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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 NWP417B Coordinate and monitor groundwater system usage. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • PC 1.1, 1.2 and 1.4 merged

Application

This unit describes the skills required to coordinate and monitor the use of groundwater as a source of water supply ensuring that Ground Water Management Plan (GWMP) performance measures are met, environmental issues are addressed and a source of supply is maintained.

This unit applies to those workers with a specific responsibility for ensuring that groundwater system usage complies with the GWMP and that assets and processes comply with organisational and statutory requirements.

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 WHS.

Those undertaking this unit would work independently or in a team, and may be required to coordinate an operational team. They will perform complex tasks while operating in a familiar context, ensuring minimum damage to the environment. However, the level of responsibility may vary according to the size, scope, location, and technical complexity of individual projects and groundwater system.

No licensing, legislative or certification requirements apply to unit at the time of publication.

Competency Field

Source

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. Confirm GWMP performance measures	1.1 Identify groundwater management, stakeholder and water quality and quantity requirements. 1.2 Gather historical groundwater information and apply as required. 1.3 Identify environmental factors and issues that impact on groundwater.
2. Monitor and coordinate processes	2.1 Conduct monitoring and testing programs. 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 Monitor assets to ensure performance meets specifications in plan. 3.2 Select, fit and use personal protective equipment. 3.3 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.

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 NA					Reading					Writing					Oral communication					Numeracy				

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 NWP417B 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>

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