



Australian Government

NWPIRR061 Develop and review groundwater management plan

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 NWP515B Develop and review groundwater management plan. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice

Application

This unit describes the skills required for the management of groundwater as a resource to be used for water supply.

This unit applies to those working as managers in water organisations with responsibility for the development and review of groundwater resources.

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.

Those undertaking this unit would work autonomously, managing staff, while performing sophisticated tasks in a range of familiar contexts.

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

Competency Field

Irrigation

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. Prepare for groundwater management	1.1 Gather historical groundwater information and evaluate as input to the planning process. 1.2 Identify, interpret and assess water quality and quantity requirements. 1.3 Identify and interpret environmental and development factors that impact on groundwater.
2. Develop the groundwater management plan	2.1 Identify and interpret groundwater management requirements. 2.2 Identify, interpret and validate stakeholder requirements that impact on groundwater. 2.3 Develop a groundwater management plan. 2.4 Identify, investigate and report breaches of usage provisions and changes to quality parameters.
3. Review and refine the groundwater management plan	3.1 Assess data from the ongoing implementation and monitoring of the groundwater management plan and use to inform the review of the plan. 3.2 Review objectives of the management and implementation plans. 3.3 Make recommendations for changes to objectives and implementation procedures. 3.4 Provide advice and guidance to groundwater users and other stakeholders.

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					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 NWP515B Develop and review groundwater management plan.

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 NWPIRR061 Develop and review groundwater management plan

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.

- managing groundwater as a resource to be used for water supply
- reading and interpreting numerical data to inform groundwater management plan
- gathering, interpreting and synthesising information to underpin the sound development of the groundwater management plan, including:
 - historical data
 - current legislation and standards
 - stakeholder views
 - water quality test results
- consulting stakeholders
- developing effective groundwater management plans that address the water organisation's objectives and requirements
- using data from testing and other monitoring arrangements to track the performance of the groundwater management plan and inform the review of the plan
- preparing reports and recommendations for changes to the objectives of the management plan and its implementation

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.

- relevant legislation, policies and procedures

- risk management principles
- groundwater hydraulics

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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