



Australian Government

NWPIRR074 Implement and coordinate groundwater management plan

Release: 1

NWPIRR074 Implement and coordinate groundwater management plan

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 NWP514B Implement and manage groundwater management plan. • Unit code updated • Content and formatting updated to comply with the new standards • Unit title changed to better reflect unit outcomes • All PC transitioned from passive to active voice • PC 2.2 and 2.4 merged

Application

This unit describes the skills required to implement and coordinate the management plan to use groundwater as a resource for water supply.

This unit applies to those working as managers in water organisations with responsibility for the management 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 and manage 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 the management of groundwater	1.1 Confirm performance measures for the groundwater management plan. 1.2 Identify and interpret legislative requirements and organisational policies for the management of groundwater. 1.3 Identify stakeholder requirements that impact on the groundwater quality, quantity and conservation. 1.4 Gather historical groundwater information and evaluate as input to the management process. 1.5 Identify, interpret and assess water quality and quantity requirements. 1.6 Identify and interpret environmental and developmental factors that impact on the groundwater.
2. Implement the groundwater management plan	2.1 Inform and educate stakeholders about groundwater activity regulations. 2.2 Develop and coordinate management plan activities. 2.3 Develop and present the implementation plan
3. Monitor the groundwater management plan	3.1 Design and implement monitoring and testing programs. 3.2 Analyse, interpret and record test results. 3.3 Identify and investigate current and/or potential problems and report results and recommendations. 3.4 Monitor groundwater usage and quality according to the plan. 3.5 Identify, investigate and report breaches of usage provisions and changes to quality parameters.
4. Evaluate and review the performance of the groundwater management plan	4.1 Identify, investigate and report deviations of planned groundwater usage quality and management from plan procedures. 4.2 Make recommendations for changes to objectives and implementation procedures.

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 NWP514B Implement and manage 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 NWPIRR074 Implement and coordinate 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.

- linking implementation plans to the groundwater management plan objectives and organisational requirements
- performing calculations to evaluate performance of groundwater management plan
- gathering, interpreting and synthesising information to underpin the implementation of the groundwater management plan, including:
 - historical data
 - current legislation and standards
 - stakeholder views
 - water quantity
 - quality test results
- consulting stakeholders
- developing implementation plans that address the objectives and requirements specified in the management plan
- investigating and reporting breaches of groundwater usage
- developing, implementing and overseeing testing and other monitoring arrangements to track the performance of the groundwater management plan

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.

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