



Australian Government

Assessment Requirements for NWPIRR004 Develop and review a groundwater plan

Release: 1

Assessment Requirements for NWPIRR004 Develop and review a groundwater plan

Modification History

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

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes:

- developing effective groundwater plans addressing organisational objectives and requirements
- gathering, interpreting and synthesising data to underpin the sound development of the groundwater plan including:
 - aquifer hydraulics and changes in potentiometric surface
 - historical data
 - recharge and usage
 - relevant legislation, industry standards and workplace procedures
 - stakeholder requirements
 - water quality test results
 - water table changes
- identifying, investigating and reporting breaches
- managing groundwater as a resource to be used for water supply
- preparing reports and recommending changes to the objectives of the management plan and its implementation
- providing advice and guidance to stakeholders and users
- reading and interpreting data to inform groundwater management
- using data from testing and monitoring arrangements to track performance of the groundwater plan and inform the review of the plan

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of:

- aquifer recharge related to usage
- changes in potentiometric surfaces
- environmental factors
- groundwater conservation zones

- groundwater hydraulics
- monitoring and testing procedures
- numerical data interpretations
- plan requirements and specifications
- relevant legislation, industry standards and workplace procedures
- salinity and pollution intrusion
- stakeholder expectations and requirements
- usage licensing and controls
- usage provision breaches
- water table monitoring practices

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations. Where this is not appropriate, assessment must occur in suitable simulated workplace operational situations reflecting actual workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- aquifer and groundwater monitoring and their application to management planning
- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment currently used in industry
- applicable relevant documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

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