



Australian Government

NWPIWS011 Identify and apply water entitlements and delivery processes

Release: 1

NWPIWS011 Identify and apply water entitlements and delivery processes

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 identify and apply water entitlements and delivery processes.

It includes identifying and applying irrigation, stock and domestic supply systems, measuring water and reporting water usage.

This unit applies to those working as field operators involved with the operation of rural water systems, including the identification of water entitlements and delivery processes. Those undertaking this unit would work under appropriate supervision, using own familiar resources as required, while performing routine tasks in range of familiar contexts.

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

Pre-requisite Unit

Not applicable.

Competency Field

Irrigation Water Supply

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

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|----------|---------------------------------|------------|--|
| 1 | Identify and apply water | 1.1 | Apply principles of allocation or sale of water to |
|----------|---------------------------------|------------|--|

entitlements	properties and landholders
	1.2 Apply changes to entitlement or allocation to properties and between properties according to workplace procedures
	1.3 Apply relevant legislation relating to water distribution and delivery according to workplace procedures, including breach notification
	1.4 Identify relevant water products and services offered to customers and customer contracts
2 Identify and apply legislative requirements	2.1 Identify relevant type and structure of water supply networks and their interaction
	2.2 Identify design and operation of relevant components of water distribution system
	2.3 Identify and monitor principles of water flow and factors affecting water flow
	2.4 Identify and apply principles of regulating water through the water supply system
3 Record and monitor water use	3.1 Calculate, measure, monitor and report water flows and volumes according to workplace procedures
	3.2 Identify and monitor balance of water entitlements according to workplace procedures

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 NWPIRR041 Identify and apply water entitlements and delivery processes.

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 NWPIWS011 Identify and apply water entitlements and delivery processes

Modification History

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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:

- calculating water flows and volumes
- completing balance estimates and recording water use
- identifying and applying irrigation, stock and domestic supply systems
- interpreting data
- measuring water and reporting water usage
- operating a range of flow control devices
- reading meters and other measurement instruments
- regulating water delivery

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:

- allocation and trading rules
- channel regulating practices
- depth and flow conversion charts
- hydraulics
- range of structures in network system
- range of water products
- relevant legislation, regulations and workplace procedures
- workplace system networks or distribution systems

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 workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate 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:

- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

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