



Australian Government

NWPIWS012 Monitor and schedule water deliveries

Release: 1

NWPIWS012 Monitor and schedule water deliveries

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 monitor and schedule water deliveries.

It includes scheduling water deliveries for irrigation and domestic or supply systems, including monitoring flows, analysing data, coordinating hydraulic processes and compiling operational reports.

This unit applies to those working as field staff and operators with a specific responsibility for ensuring water deliveries meet customer requirements. Those undertaking this unit would work under appropriate supervision, while performing routine tasks and ensuring minimum damage to the environment, in a familiar.

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

Elements describe the essential outcomes.

1 Schedule water deliveries

PERFORMANCE CRITERIA

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

1.1 Identify and record customer water orders according to workplace procedures

	1.2	Analyse water orders to determine water delivery and flow rate requirements
	1.3	Schedule water deliveries to meet flow rate requirements and organisational standards for channel balance and capacity restraints
2	Monitor water delivery	
	2.1	Monitor channel flow rate, regulation and delivery according to customer requirements
	2.2	Maintain delivery performance records according to workplace procedures
	2.3	Analyse system performance using system data and records to determine actual and planned performance
3	Coordinate and control water delivery	
	3.1	Calculate system adjustments according to demand and organisational requirements
	3.2	Coordinate flow regulation, channel levels, security of flow devices and settings according to demand and organisational requirements
4	Compile records of water delivery	
	4.1	Compile reports from systems performance data
	4.2	Maintain appropriate measurement and delivery records 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 NWPIRR042 Monitor and schedule water deliveries.

Links

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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