



Australian Government

NWPIWS002 Operate regulating devices in rural irrigation systems

Release: 1

NWPIWS002 Operate regulating devices in rural irrigation systems

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 operate regulating devices in rural irrigation systems.

It includes monitoring flows in irrigation systems, recording and reporting system adjustments and responding to contingencies.

This unit applies to those working as field or operational staff with responsibility for using flow control and metering devices according to workplace procedures. Those undertaking this unit would work in a team or 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

Elements describe the essential outcomes.

1 Monitor and regulate required flows in

PERFORMANCE CRITERIA

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

1.1 Access and apply operating requirements for flows in

irrigation systems		irrigation systems
	1.2	Use and secure equipment to assist operational activities according to workplace procedures
	1.3	Monitor, measure and record flows at designated locations according to work schedule
	1.4	Identify potential operational problems and provide solutions
	1.5	Adjust and maintain flow regulation and control mechanisms to increase and decrease flow according to workplace procedures
2	Record and report system adjustments	2.1 Produce trend information relating to flow adjustments
		2.2 Collect, record and report information on flows and abnormalities
3	Respond to contingencies	3.1 Identify and assess potential risks and contingencies in the operation of regulating devices
		3.2 Respond to potential and actual risks and contingencies
		3.3 Inform relevant personnel of potential risks 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 NWPIRR002 Operate basic flow control and regulating devices in irrigation systems.

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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