



Australian Government

NWPIWS003 Inspect and operate water diversion systems

Release: 1

NWPIWS003 Inspect and operate water diversion 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 inspect and operate water diversion systems.

It includes coordinating the operation of surface water systems, measuring and reporting on surface water usage and system performance. It also includes collecting data, monitoring and adjusting regulatory systems, coordinating system performance and producing technical reports.

This unit applies to those working as field operators with a specific responsibility for inspecting and operating surface water systems and for ensuring that flows are regulated according to organisational specifications and system demands. Those undertaking this unit would work under appropriate supervision, while performing routine tasks ensuring minimum damage to the environment, in a familiar context.

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 Inspect and report on

PERFORMANCE CRITERIA

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

1.1 Schedule and complete routine inspections of surface

surface water system performance and usage		supply areas according to licensing requirements
2 Monitor inflows, outflows and releases	1.2	Collect and record data on system capacity and flow to ensure system operational parameters are being met
	1.3	Use appropriate safety equipment, including personal protective equipment according to workplace procedures
	2.1	Inspect flow regulating structures and adjust to meet demand requirements
	2.2	Monitor flows and coordinate diversions or extractions to control usage requirements, according to demand or local management rules
	2.3	Read meters, record volumes and enter data into database according to workplace procedures
	3.1	Locate and record process faults and operational conditions
3 Operate and coordinate system performance	3.2	Adjust system parameters to optimise process performance
	3.3	Undertake routine maintenance according to product specifications and workplace procedures
	4.1	Record inspection results according to workplace procedures
4 Complete documentation	4.2	Report data from inspection results to relevant personnel

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 NWPIRR003 Inspect and operate surface water 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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