



Australian Government

NWPIRR007 Implement and coordinate a surface water plan

Release: 1

NWPIRR007 Implement and coordinate a surface water plan

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 implement and coordinate a surface water plan.

It includes ensuring environmental and sustainability considerations are met, where appropriate source of supply is maintained and controls for surface water management including catchment land use, flow controls and retardation, release flows and managed usage are implemented and effectiveness monitored.

This unit applies to those working as leaders with responsibility for the management of surface water resources. Those undertaking this unit would work autonomously, leading staff, while performing sophisticated tasks in a range of familiar contexts.

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

Pre-requisite Unit

Not applicable.

Competency Field

Irrigation

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Develop and implement monitoring and testing

PERFORMANCE CRITERIA

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

1.1 Develop an implementation strategy for the surface water plan according to workplace procedures

programs

- | | | |
|----------|--|--|
| | 1.2 | Coordinate management plan activities relating to the surface water plan and determine responsibilities and timelines for implementation |
| | 1.3 | Plan, design and implement monitoring and testing programs |
| | 1.4 | Identify hazards, assess risks and implement control measures for monitoring and testing programs |
| | 1.5 | Gather historical surface water collection information and evaluate as input to the planning process |
| | 1.6 | Monitor water usage, water flow and water quality according to the plan |
| | 1.7 | Record and analyse test results and education programs |
| 2 | Monitor and evaluate performance of surface water plans | |
| | 2.1 | Review objectives of the surface water and implementation plans |
| | 2.2 | Identify, investigate and report deviations of surface water flows and controls from management objectives |
| | 2.3 | Monitor and review environmental factors impacting the collection of surface water |
| | 2.4 | Make recommendations for changes to plan objectives and procedures and usage and quality parameters |
| | 2.5 | Provide advice and guidance to water stakeholders |
| 3 | Report on monitoring and implementation activities | |
| | 3.1 | Identify and report deviations from the surface water plan |
| | 3.2 | Review and report operational problems of controls and regulations from the surface water and implementation plans |
| | 3.3 | Make recommendations for changes to plan objectives |

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.

Unit Mapping Information

This unit replaces and is equivalent to NWPIRR072 Implement and coordinate surface water management plan.

Links

Companion Volume Implementation Guides are found in VETNet -

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