



Australian Government

NWPIRR072 Implement and coordinate surface water management plan

Release: 1

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Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to NWP516B Implement and manage surface water management plan. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • Unit title changed to better reflect unit outcomes

Application

This unit describes the skills required for the implementation of the management plan for surface water to ensure environmental considerations are met and source of supply is maintained.

This unit applies to those working as managers in water organisations with responsibility for the management of surface water resources.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work autonomously, managing 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.

Competency Field

Irrigation

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Implement and coordinate monitoring and testing program	1.1 Confirm performance measures of the surface water management plan. 1.2 Design and implement monitoring and testing programs. 1.3 Coordinate activities relating to the surface water plan. 1.4 Interpret and record test results and education programs. 1.5 Identify and investigate current and/or potential problems and report results and recommendations. 1.6 Gather and evaluate historical surface water information. 1.7 Monitor water usage, water flow and water quality according to the plan.
2. Monitor and evaluate performance of surface water management plans	2.1 Identify, investigate and report deviations of planned water usage and quality and management plan procedures. 2.2 Review objectives of the management and implementation plans. 2.3 Review parameters for water usage and quality. 2.4 Monitor and review environmental factors that impact on surface water. 2.5 Make recommendations for changes to plan objectives and procedures and usage and quality parameters. 2.6 Provide advice and guidance to water users and stakeholders.
3. Report on monitoring and implementation activities	3.1 Identify and report deviations from the management plan. 3.2 Review and report objectives of the management and implementation plans. 3.3 Make recommendations for changes to plan objectives.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to NWP516B Implement and manage 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>

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Assessment Requirements for NWPIRR072 Implement and coordinate surface water management plan

Modification History

Release	Comments
1	These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages. • Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- implementing management plans for surface water to ensure environmental considerations are met and source of supply is maintained
- performing calculations relating to water usage and quality
- reading and interpreting a range of numerical data related to surface water and environmental factors
- gathering, interpreting and synthesising information, including:
 - historical data
 - current legislation and standards
 - stakeholder views
 - water quantity and quality test results
- designing and implementing testing processes and programs
- monitoring and evaluating the outcomes of the surface water management plan
- providing advice about water usage and communicate with stakeholders and users
- preparing reports and recommendations for future action

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- relevant legislation, policies and procedures
- risk management principles

- climatic and weather characteristics and impacts
- hydraulic analysis

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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