



Australian Government

NWPSOU004 Develop and manage a catchment plan

Release: 1

NWPSOU004 Develop and manage a catchment 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 develop and manage a catchment plan.

It includes preparing for catchment management and developing, reviewing and refining the catchment plan. It also includes identifying issues impacting water yield and quality.

This unit supports the attainment of skills and knowledge required for managers in water organisations with responsibility for the management of water catchments. 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 this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Source

Unit Sector

Not applicable

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare for catchment

PERFORMANCE CRITERIA

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

- 1.1** Identify and interpret catchment requirements according to relevant legislation, codes of practice, industry standards and workplace procedures

- 1.2 Identify and evaluate stakeholder requirements impacting catchment area
 - 1.3 Gather historical catchment information and evaluate as input to the planning process
 - 1.4 Identify, interpret and assess water quality and quantity requirements
 - 1.5 Identify and interpret environmental factors and other relevant issues impacting catchment area according to regulatory requirements
 - 1.6 Complete risk assessment to ensure catchment area is free from contamination causing no adverse impacts
- 2 Develop catchment plan**
 - 2.1 Interpret and validate stakeholder requirements impacting catchment area
 - 2.2 Review and clarify organisational objectives and key performance indicators for catchment plan
 - 2.3 Develop catchment plan according to specifications and regulatory requirements
 - 2.4 Develop contingency plans based on risk analysis and stakeholder requirements
 - 2.5 Evaluate the catchment plan to ensure compliance against specifications, stakeholder and regulatory requirements
- 3 Review and refine catchment plan**
 - 3.1 Obtain and assess data of catchment plan against specifications, stakeholder and regulatory requirements
 - 3.2 Review objectives of the catchment and implementation plan and make recommendations for rectifications to ensure compliance against specifications, stakeholder and regulatory requirements
 - 3.3 Communicate corrective actions to users and stakeholders regarding identified catchment area changes
 - 3.4 Perform validation tests to ensure the reviewed plan is compliant against specifications and stakeholder and regulatory requirements

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 is a new unit. No equivalent unit.

Links

Companion Volume Implementation Guides are found in VETNet -

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

Assessment Requirements for NWPSOU004 Develop and manage a catchment plan

Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes:

- acquiring, interpreting and synthesising information to underpin the sound development of the water catchment plan including:
 - historical data
 - current legislation
 - policies and standards
 - stakeholder views
 - water quality test results
- assessing environmental impacts
- developing a catchment plan including complying with the organisation's objectives and specifications
- interpreting and using testing activities
- preparing recommendations for changes to the objectives of the catchment plan and its implementation
- tracking the performance of the catchment plan and inform the review of the plan
- using data to inform planning process

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of:

- analysis of historical records
- communicating with stakeholders and users
- environmental factors impacting on catchment area
- land use implications
- relevant legislation, industry standards and workplace procedures
- relevant workplace policies and procedures
- risk management principles
- stakeholder expectations and requirements
- testing procedures

- water management processes
- water quality processes and parameters

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations. Where this is not appropriate, assessment must occur in suitable simulated workplace operational situations reflecting actual workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment currently used in industry
- applicable relevant documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

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