



Australian Government

NWPCAD005 Monitor, inspect and report catchment areas

Release: 1

NWPCAD005 Monitor, inspect and report catchment areas

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 monitor, inspect and report catchment areas.

It includes monitoring flows, coordinating catchment areas and collecting data and samples. It also includes monitoring and adjusting regulatory systems, identifying and investigating catchment problems and producing reports.

This unit applies to field staff with a specific responsibility for inspecting, monitoring and reporting catchment areas. Those undertaking this unit would work under appropriate supervision while performing routine tasks ensuring minimum damage to the environment, in a familiar context. The level of responsibility may vary according to the size and complexity of the catchment area.

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

Pre-requisite Unit

Not applicable.

Competency Field

Catchment and Dams

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Inspect and monitor

PERFORMANCE CRITERIA

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

1.1 Identify and apply work requirements for undertaking

catchment areas		inspections of catchments and surrounding areas
2 Operate and report catchment conditions	1.2	Schedule routine inspections of catchment areas to identify water quality risks
	1.3	Inspect and monitor designated locations according to work schedule and workplace procedures
	1.4	Inspect flow regulating systems and adjust to meet demand
	1.5	Select, fit and use safety equipment, including personal protective equipment
	2.1	Measure and record catchment inflows and outflows or extractions
	2.2	Collect and record water samples according to sampling requirements
	2.3	Identify organisational guidelines for the condition and maintenance of catchment environment
	2.4	Identify changes to environmental conditions outside of normal parameters and report to relevant personnel for further action
	3.1	Identify and report activities within catchment posing a hazard or risk to the public, water quality or the environment
	3.2	Identify and report activities of external parties within catchment and surrounding area breaching organisational guidelines
	3.3	Check and confirm public concerns and report to relevant personnel
4 Complete documentation	4.1	Identify and collect catchment data
	4.2	Compile reports from catchment inspections 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 NWPSOU012 Monitor, inspect and report catchment operations.

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 NWPCAD005 Monitor, inspect and report catchment areas

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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:

- assessing and reporting on the condition of the catchment area
- collecting samples
- completing documentation
- coordinating safety
- identifying and addressing risks and hazards
- identifying and reporting on flows into the catchment area
- identifying catchment faults
- inspecting and adjusting flow regulating systems
- inspecting and monitoring catchment areas
- inspecting catchment areas and identifying water quality risks
- measuring flow and capacity
- monitoring and integrating catchments processes
- monitoring and reporting organisational guideline breaches
- monitoring catchment and collecting and reporting catchment data
- monitoring flows
- organising pest eradication
- using safety equipment and personal protective equipment

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:

- catchment layout and processes
- communication systems
- coordination processes
- effects of weather and conditions on operation of catchment areas
- environmental aspects of catchment areas
- inspection requirements of catchments
- pest control specifications

- relevant by-laws and legislation
- relevant regulations and workplace procedures
- relevant water industry guidelines
- risk factors and potential hazards involved with catchment area processes, equipment operation, capacity and limitations

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 workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate 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, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

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