



Australian Government

AHCNRM506 Plan and monitor works projects in catchments and waterways

Release: 1

AHCNRM506 Plan and monitor works projects in catchments and waterways

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to plan, implement, monitor and review works projects conducted in catchments and waterways. This includes engaging and working with stakeholders and ensuring works meet environmental and project outcomes and priorities.

This unit applies to those engaged in contract project works in catchments and waterways who take personal responsibility and exercise autonomy in undertaking complex work.

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

Pre-requisite Unit

Nil.

Unit Sector

Natural Resource Management (NRM)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Inspect and assess catchment and waterways sites for inclusion in a works program	1.1 Establish the environmental outcomes and priorities of the works program 1.2 Apply work health and safety policies and procedures, environmentally sustainable practices and biosecurity measures 1.3 Confirm the physical characteristics and health of catchment and waterways with a site assessment 1.4 Assess the range of operating conditions, hazards and sensitive

Element	Performance criteria
	environments for impact on proposed projects 1.5 Assess the heritage and cultural values of sites 1.6 Consult potential project partners and investors on the scope and purpose of the works program
2. Plan works project	2.1 Consult with stakeholders to determine project priorities 2.2 Obtain permits, licenses and other authorisations 2.3 Determine and source equipment and materials and personnel required for project 2.4 Confirm terms and conditions of project work with project partners and investors 2.5 Prepare plans and specifications for works project 2.6 Complete project documentation and communicate details
3. Monitor works project	3.1 Establish monitoring program that includes selecting representative water quality and macro invertebrate monitoring sites using data collection guidelines, data collection parameters and timelines 3.2 Establish data benchmarks for evaluating the outcomes of project 3.3 Ensure the ongoing requirements of contractors and project workers are met 3.4 Provide appropriate and timely support 3.5 Monitor the condition of the project site to ensure it is left in an agreed condition 3.6 Report outcomes of monitoring to enterprise requirements
4. Review works program	4.1 Evaluate individual projects to ensure compliance with agreed outcomes 4.2 Determine whether projects are meeting the environmental targets 4.3 Recommend changes to the works program to better achieve catchment and waterways priorities 4.4 Use a relational data management system for recording monitoring data and reporting to stakeholders

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCNRM506A Plan and monitor works projects in catchments and waterways.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCNRM506 Plan and monitor works projects in catchments and waterways

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- apply effective consultation techniques to ensure stakeholder contribution to project priorities
- research and determine the environmental conditions of project worksites in relation to the wider catchment
- undertake consultation with stakeholders
- work with and support project partners during project implementation
- develop waterway monitoring program that includes selecting representative water quality and macro invertebrate monitoring sites
- monitor project to ensure it is meeting regulatory requirements
- evaluate the impact of projects on sustainable catchment management
- determine the physical and human resources necessary for project success
- determine suitable monitoring procedures that will provide sufficient information for evaluation and review of the project
- evaluate the environmental benefits of the works program using existing techniques and reporting guidelines
- complete reporting requirements to enterprise standards and to meet the needs of stakeholders, partners and investors

Knowledge Evidence

The candidate must demonstrate knowledge of physical characteristics and indicators of health of waterways and catchments, including:

- wetland and floodplain processes and function:
 - factors that influence stream flow
 - stream dynamics

- stream formation
- eutrophication
- impacts of land use on waterways
- indicators of catchment health:
 - pest plant and animal infestations
 - vegetation decline
 - soil erosion
 - stream bank erosion
 - water quality decline
- water quality parameters:
 - physical and chemical properties of water
 - biological indicators of water quality

The candidate must demonstrate knowledge of:

- project planning processes
- permits and licences required for on-ground works

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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