



Australian Government

Assessment Requirements for AHCNRM502 Develop a water quality monitoring program

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

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 develop a water quality monitoring program in accordance with legislative and organisational policies. The candidate must also undertake the water quality monitoring.

The candidate must provide evidence that they can:

- establish scope, objectives and constraints and water quality monitoring requirements of the project through consultation with client
- undertake research and a site analysis to select suitable monitoring sites
- develop the monitoring plan in accordance with project brief and to meet client needs
- monitor water quality in accordance with project plan
- evaluate the program using data analysis, consultation with client and assessment against program objectives
- collect, transport and treat samples in accordance with organisational guidelines and policies
- analyse data according to scientific standards and organisational policies and guidelines
- apply work health and safety practices in the context of own work
- incorporate biosecurity into monitoring program
- apply sustainability practices in monitoring program
- draw conclusions based on appropriate evidence and reasoned arguments
- produce written reports to enterprise standards

Knowledge Evidence

The candidate must demonstrate knowledge of:

- water quality principles and factors including:
- hydrological cycle
- aquatic ecology

- water quality indicators
- chemical principles
- catchment and coastal management issues contributing to surface and groundwater quality
- standard techniques to assess ecological health of aquatic sites
- mathematical sampling techniques
- analytical techniques appropriate to water quality monitoring
- data storage and management
- accepted scientific processes and standards for data collection and analysis
- statistical analysis
- hazard identification, assessment and control

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

Companion Volume implementation guides are found in VETNet -

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