



Australian Government

Assessment Requirements for NWPCAD003 Identify and confirm blue-green algae outbreaks

Release: 1

Assessment Requirements for NWPCAD003 Identify and confirm blue-green algae outbreaks

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:

- conducting blue-green algae identification and enumeration tests
- identifying algae types
- interpreting instructions
- interpreting policies, procedures and standards
- maintaining integrity of samples
- performing algae sampling
- performing calculations including:
 - cell concentration
 - Sedgwick-Rafter Counting Chamber
- recording information and reporting data
- reporting test results
- using at least one of the following sampling techniques:
 - concentrated
 - grab
 - integrated
- using safety 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:

- characteristics of algae
- effects of weather on algae blooms
- environmental factors which favour the growth of algae
- hazards associated with collection and handling of blue-green algae samples
- impact of blue-green algae on water and/or wastewater treatment processes
- problems caused by algal blooms
- procedures and techniques for all algae sampling

- relevant legislation, regulations and workplace procedures
- sampling and testing of water quality parameters related to algae growth
- types and purposes of algae samples

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.

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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