



Australian Government

NWPSOU003 Identify and confirm blue-green algae outbreaks

Release: 1

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Modification History

Release	Comments
1	<p>This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages.</p> <p>This unit supersedes and is equivalent to NWP365A Identify and confirm blue green algae outbreaks.</p> <ul style="list-style-type: none"> • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • Element 2 removed. • Two new Elements added

Application

This unit describes the skills required to sample, identify and confirm outbreaks of blue-green algae blooms.

This unit applies to those working as operational staff with a specific responsibility for ensuring that water and/or wastewater quality conforms to organisational standards and complies with statutory requirements.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work under supervision, while performing routine tasks within a familiar context.

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

Competency Field

Source

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Confirm and conduct algae sampling	1.1 Confirm <i>type of samples</i> required, procedures for sampling and sampling locations from the work instruction. 1.2 Select and prepare sampling equipment according to specified samples required. 1.3 Carry out algae sampling. 1.4 Maintain integrity of samples during sampling and label sample containers.
2. Prepare samples for testing	2.1 Receive, handle and prepare samples for testing. 2.2 Prepare and check testing equipment for blue-green algae identification and enumeration.
3. Identify and enumerate blue-green algae	3.1 Conduct microscopic examination of algae sample. 3.2 Determine number of cells using Sedgwick-Rafter Counting Chamber and calculate cell concentration.
4. Complete documentation	4.1 Complete data report of the blue-green algae test results. 4.2 Report observations outside defined parameters for further action.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning NA					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Range of Conditions

Types of sample techniques include:	<ul style="list-style-type: none">• grab• integrated• concentrated
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Unit Mapping Information

This unit supersedes and is equivalent to NWP365A Identify and confirm blue green algae outbreaks.

Links

Companion Volume implementation guides are found in VETNet -

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

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