



Australian Government

NWPGEN020 Sample and test source or drinking water

Release: 1

NWPGEN020 Sample and test source or drinking water

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 sample and test source or drinking water. It includes preparing for and conducting worksite source and treated water quality sampling and testing. It also includes reporting abnormal findings and finalising work. This unit does not include off-site laboratory testing.

This unit applies to those working in field operations in various industries. Those undertaking this unit would work under appropriate supervision, while performing routine tasks in a range of familiar contexts.

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

Pre-requisite Unit

Not applicable.

Competency Field

General

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare for water quality sampling and testing

PERFORMANCE CRITERIA

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

1.1 Determine work requirements from standard operation procedures

1.2 Confirm and record samples, locations and tests to

- comply with requirements
- 1.3 Select and check relevant equipment and tools to meet tasks and safety requirements
 - 1.4 Select and apply relevant sample preservation methods
 - 1.5 Select, fit and use personal protective equipment according to workplace procedures
 - 1.6 Limit hazards and contamination to protect self, work area and environment
- 2 Conduct water quality sampling and testing**
- 2.1 Apply chain of custody principles according to workplace procedures
 - 2.2 Collect samples ensuring types, locations, times and labels comply with requirements and workplace procedures
 - 2.3 Prepare samples for off-site laboratory testing according to requirements
 - 2.4 Maintain integrity of samples during sampling and onsite testing
 - 2.5 Conduct worksite water quality tests according to workplace procedures and record results
 - 2.6 Assess and report abnormal characteristics to relevant personnel
- 3 Finalise work**
- 3.1 Clear and restore work area
 - 3.2 Report observations or measurements requiring further action to relevant personnel
 - 3.3 Dispose of samples, clean and store test equipment 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 NWPGEN007 Sample and test drinking water.

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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