



Australian Government

NWPGEN021 Sample and test wastewater

Release: 1

NWPGEN021 Sample and test wastewater

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 wastewater.

It includes preparing for and conducting wastewater sampling and testing and finalising work. It also includes collecting and preparing wastewater samples and performing wastewater tests. This unit does not include off-site laboratory testing.

This unit applies to those working in field operations in 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 wastewater sampling and testing

PERFORMANCE CRITERIA

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

1.1 Determine work requirements from standard operating procedures

1.2 Confirm and record samples, locations and tests to

- comply with requirements
- 1.3** Select and check and 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
- 2 Conduct wastewater 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 worksite testing
 - 2.5** Conduct worksite wastewater 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 according to workplace procedures
 - 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 NWPGEN008 Sample and test wastewater.

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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