



Australian Government

NWP30315 Certificate III in Water Industry Treatment

Release 1

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Modification History

Release	Comments
1	<p data-bbox="338 504 1372 577">This qualification was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages.</p> <ul data-bbox="338 649 1257 721" style="list-style-type: none"><li data-bbox="338 649 1257 721">• New qualification. Streams developed to better reflect occupational outcomes.

Qualification Description

This qualification allows for the attainment of general competencies in water industry treatment or specialisation in drinking water or wastewater.

The general qualification reflects the skills required to conduct treatment for drinking water, wastewater and recycled water.

The drinking water specialisation covers skills required to monitor, operate and control treatment processes within a drinking water plant.

The wastewater specialisation covers skills required to monitor, operate and control treatment processes within a wastewater treatment plant.

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

Additional qualification advice

Where a defined specialisation is completed as listed below, the resultant testamur can be titled: Certificate III in Water Industry Treatment (field of study) e.g. Certificate III in Water Industry Treatment (Drinking water).

Packaging Rules

11 units of competency are required for this qualification:

- 2 core units
- 9 elective units

Specialisation

The candidate may complete either the general qualification or specialise in drinking water or wastewater by selecting elective units as specified in the table below.

	General	Specialisation	
		Drinking water	Wastewater
Core	2	2	2
Group A: Work health safety	Choose 1	Choose 1	Choose 1
Group B: Sampling and testing	Choose at least 1	Choose at least 1	Choose at least 1
Group C: Drinking water	Choose at least 3 from groups C and/or D, with no more than 2 from any one group	Choose at least 4	
Group D: Wastewater			Choose at least 4
Group E: General	Optional – choose no more than 2	Optional – choose no more than 1	Optional – choose no more than 1
Flexible choice	Choose the remaining elective units from the list below or from elsewhere within this training package. Alternatively, up to 2 of the elective units may be selected from another endorsed training package, or from an accredited course.		
Total number of units	11	11	11

Choose the remaining elective units from the list below or from elsewhere within this training package. Alternatively, 2 elective units may be selected from another endorsed training package, or from an accredited course.

All elective units selected from outside this qualification must reflect the occupational and learning outcomes of this AQF qualification level. Seek further advice on selecting imported units of competency in the NWP Implementation Guide.

Elective units selected must not duplicate content already covered by other units in this qualification.

Core units	
NWPGEN001	Apply the risk management principles of the water industry standards, guidelines and legislation
NWPGEN004	Assess, implement and report environmental procedures
Group A: Work health safety	
AHCCHM101A	Follow basic chemical safety rules
BSBWHS301	Maintain workplace safety
BSBWHS302	Apply knowledge of WHS legislation in the workplace
BSBWHS303	Participate in WHS hazard identification, risk assessment and risk control
BSBWHS304	Participate effectively in WHS communication and consultation processes
Group B: Sampling and testing	
NWPGEN007	Sample and test drinking water
NWPGEN008	Sample and test wastewater
NWPSOU001	Respond to blue-green algae outbreaks
NWPSOU003	Identify and confirm blue-green algae
Group C: Drinking water	
NWPTRT014	Operate and control iron and manganese removal process
NWPTRT015	Operate and control coagulation and flocculation processes
NWPTRT031	Operate and control sedimentation and clarification processes
NWPTRT033	Operate and control DAF processes

NWPTRT034	Operate and control activated carbon processes
NWPTRT035	Operate and control ion exchange and softening processes
NWPTRT041	Operate and control granular media filters
NWPTRT043	Operate and control membrane filters
NWPTRT044	Operate and control desalination processes
NWPTRT054	Operate and control chloramination processes
NWPTRT091	Operate and control solids handling processes
NWPGEN009	Perform complex testing
NWPSOU001	Respond to blue green algae outbreaks
Group D: Wastewater	
NWPTRT033	Operate and control DAF processes
NWPTRT041	Operate and control granular media filters
NWPTRT043	Operate and control membrane filters
NWPTRT054	Operate and control chloramination processes
NWPTRT062	Operate and control reclaimed water irrigation
NWPTRT072	Operate and control odour removal processes
NWPTRT081	Operate and control activated sludge processes
NWPTRT082	Operate and control nutrient removal processes
NWPTRT083	Operate and control aerobic bioreactor processes
NWPTRT091	Operate and control solids handling processes
NWPTRT092	Operate and control digestion processes
NWPTRT094	Operate and control incineration processes
NWPTRT101	Operate and control lagoon processes
NWPGEN009	Perform complex testing
NWPSOU001	Respond to blue green algae outbreaks

Group E: General elective units	
NWPTRT012	Operate and control fluoride addition process
NWPTRT053	Operate and control UV processes
CPCCCM1015A	Carry out measurements and calculations
RIISAM204D	Operate small plant and equipment
BSBCMM301	Process customer complaints
BSBCUS301	Deliver and monitor a service to customers
BSBFLM305	Support operational plan
BSBFLM312	Contribute to team effectiveness
FSKNUM21	Apply an expanding range of mathematical calculations for work
MSAPMOHS216A	Operate breathing apparatus
RIIWHS202D	Enter and work in confined spaces
RIIWHS302D	Implement traffic management plan
TLID2003A	Handle dangerous goods/hazardous substances

Qualification Mapping Information

No equivalent qualification.

Links

GSA website - <http://www.govskills.com.au>

NWP Implementation Guide -

<http://www.govskills.com.au/guides/water/implementation-guide>

NWP Assessment Guide - <http://www.govskills.com.au/guides/water/assessment-guide>

NWP Foundation Skills Guide -

<http://www.govskills.com.au/guides/water/foundation-skills-guide>

NWP Knowledge Guide - <http://www.govskills.com.au/guides/water/knowledge-guide>