



**Australian Government**

# **NWP20122 Certificate II in Water Industry Operations**

# NWP20122 Certificate II in Water Industry Operations

## Modification History

Release	Comments										
2	Updated imported units of competency: <table border="1" data-bbox="416 535 1388 801"> <tbody> <tr> <td>MSS404063</td> <td>Facilitate the use of SCADA systems in a team or work area</td> </tr> <tr> <td>CPCWHS1001</td> <td>Prepare to work safely in the construction industry</td> </tr> <tr> <td>CPCUDE3028</td> <td>Remove non-friable asbestos</td> </tr> <tr> <td>UEERE0083</td> <td>Maintain safety and tidiness of remote area power supply systems</td> </tr> <tr> <td>UEERE0088</td> <td>Work safely with remote area power supply systems</td> </tr> </tbody> </table>	MSS404063	Facilitate the use of SCADA systems in a team or work area	CPCWHS1001	Prepare to work safely in the construction industry	CPCUDE3028	Remove non-friable asbestos	UEERE0083	Maintain safety and tidiness of remote area power supply systems	UEERE0088	Work safely with remote area power supply systems
MSS404063	Facilitate the use of SCADA systems in a team or work area										
CPCWHS1001	Prepare to work safely in the construction industry										
CPCUDE3028	Remove non-friable asbestos										
UEERE0083	Maintain safety and tidiness of remote area power supply systems										
UEERE0088	Work safely with remote area power supply systems										
1	This qualification was first released in NWP National Water Training Package Release 5.0.										

## Qualification Description

This is a qualification for those engaged in entry-level water industry operations under appropriate supervision. They would undertake mainly routine tasks covering roles in networks, irrigation, water sources and the treatment of water.

## Licensing/Regulatory Information

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

## Entry Requirements

This qualification has no entry requirements.

## Packaging Rules

A total of **11 units of competency** comprising:

**2 core units** listed below, plus

**9 general electives** must be chosen. Of these up to **3 of the general elective** units may be selected, with appropriate contextualisation, from a qualification in this or any other endorsed Training Package, provided selected units contribute to the vocational outcome of the qualification.

Where imported units are selected, care must be taken to ensure all prerequisite units specified are complied with. Prerequisites attached to any of the units must be obtained and are additional to the number of units required for the qualification.

### *Prerequisite units of competency*

An asterisk (\*) against a unit code below indicates that there is a prerequisite requirement that must be met. Prerequisites attached to any of the units must be obtained and are additional to the number of units required for the qualification. All prerequisite requirements are packaged in the qualification.

<b>Core units</b>	
BSBWHS211	Contribute to the health and safety of self and others
NWPGEN018	Follow environmental and licensing procedures
<b>General elective units</b>	
BSBCMM211	Apply communication skills
BSBOPS203	Deliver a service to customers
BSBPEF202	Plan and apply time management
BSBWHS311	Assist with maintaining workplace safety
CPCCCDE3028*	Remove non-friable asbestos
CPCCOM1015	Carry out measurements and calculations
CPCWHS1001	Prepare to work safely in the construction industry
FSKDIG003	Use digital technology for non-routine workplace tasks
MSMWHS216	Operate breathing apparatus
MSS404063	Facilitate the use of SCADA systems in a team or work area
NWPCAD001	Respond to blue-green algae outbreaks
NWPCAD002	Control vegetation on a site
NWPCAD004	Maintain catchment and surrounding areas
NWPCAD005	Monitor, inspect and report catchment areas

NWPCAD007	Inspect, operate and maintain low consequence dams
NWPCAD018	Monitor and operate bulkwater transfer systems
NWPCAD019	Monitor and operate groundwater extraction
NWPGEN017	Apply the risk management principles of the water industry standards, guidelines and legislation
NWPGEN020	Sample and test source or drinking water
NWPGEN021	Sample and test wastewater
NWPGEN023	Use maps, plans, drawings and details
NWPGEN024	Identify the role and functions of the water industry
NWPGEN027	Monitor and operate pump stations
NWPIWS001	Monitor and operate rural irrigation and domestic delivery systems
NWPIWS002	Operate regulating devices in rural irrigation systems
NWPIWS005	Maintain and repair irrigation channels and drains
NWPIWS011	Identify and apply water entitlements and delivery processes
NWPNET019	Prepare and restore worksite
NWPNET028	Monitor and operate network systems
NWPNET029	Locate, identify and protect utilities
NWPNET038	Install metering equipment
NWPNET040	Maintain and repair network assets for wastewater
NWPNET046	Maintain and repair network assets for bulkwater

NWPNET049*	Construct and install water distribution assets
NWPNET050	Construct and install wastewater collection assets
NWPNET060	Clean networks using air scouring, chemical or swabbing techniques
NWPNET061	Maintain and repair network assets for drinking water
NWPNET062	Maintain network assets using high pressure water systems
NWPNET063	Use digital imaging equipment in the field
NWPNET064	Control electrical risk on network pipes
NWPTRT005	Monitor and operate water treatment processes
NWPTRT006	Monitor and operate fluoride addition processes
NWPTRT007*	Monitor and operate liquefied chlorine gas disinfection processes
NWPTRT022	Monitor and operate hypochlorite disinfection processes
NWPTRT023	Monitor and operate ultraviolet processes
NWPTRT025	Monitor and operate chlorine dioxide processes
NWPTRT026	Monitor and operate ozone processes
NWPTRT027	Monitor and operate wastewater treatment processes
NWPTRT029	Monitor and operate pre-treatment processes
NWPTRT047	Monitor, operate and control lagoon processes

NWPTRT048	Monitor and operate reclaimed water irrigation
RIICCM205F	Carry out manual excavation
RIICOM201E	Communicate in the workplace
RIISAM204E	Operate small plant and equipment
RIIWHS201E	Work safely and follow WHS policies and procedures
RIIWHS202E	Enter and work in confined spaces
RIIWHS302E	Implement traffic management plans
TLID0021	Store and handle dangerous goods and hazardous substances
TLIF2010	Apply fatigue management strategies
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace
UEERE0083*	Maintain safety and tidiness of remote area power supply systems
UEERE0088*	Work safely with remote area power supply systems

## Pre-requisite Requirements

Unit of competency	Prerequisite requirement
UEERE0083 Maintain safety and tidiness of remote area power supply systems	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace  UEERE0088 Work safely with remote area power supply systems
CPCUDE3028 Remove non-friable asbestos	CPCWHS1001 Prepare to work safely in the construction industry

UEERE0088 Work safely with remote area power supply systems	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
NWPNET049 Construct and install water distribution assets	NWPNET064 Control electrical risk on metallic pipes
NWPTRT007 Monitor and operate liquefied chlorine gas disinfection processes	MSMWHS216 Operate breathing apparatus

## Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
NWP20122 Certificate II in Water Industry Operations	NWP20119 Certificate II in Water Industry Operations		Equivalent

## Links

Companion volumes, including implementation guides, are found on the national training register - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>.