

# **NWP07 WATER TRAINING PACKAGE**

## **Version 3**

# **WA NOMINAL HOURS GUIDE**

**Western Australian Department of Training and Workforce  
Development**

**October 2012**

# CONTENTS

Introduction .....	2
Obtaining the Training Package.....	3
Transition Arrangements.....	4
Nominal Hours .....	4
Version Modification History.....	5
Qualifications and Nominal Hours.....	8
Units of Competency and Nominal Hours .....	9
Mapping Qualifications.....	14
Mapping Units of Competency .....	15

## Introduction

This WA Nominal Hours Guide has been generated to enable the stakeholders in the water Industry in Western Australia to participate in the managed implementation of the National NWP07 Water Training Package **Version 3**.

This Guide is designed to aid Registered Training Organisations (RTOs) to convert from existing Training Package qualifications to new Training Package qualifications within the scope of their training delivery.

The Guide should be read in conjunction with the endorsed components of the Training Package

The NWP07 Water Training Package Version 3 was released by Training.Gov.Au (TGA) on the **30 April 2012**.

## Obtaining the Training Package

The NWP07 Water Training Package can be purchased from:



Office: Level 11, 147 Pirie Street  
Adelaide SA 5000  
Postal: PO Box 347  
Rundle Mall SA 5000  
T: (08) 8100 7400 | F: (08) 8232 7444  
E: [info@governmentskills.com.au](mailto:info@governmentskills.com.au)  
W: [www.governmentskills.com.au](http://www.governmentskills.com.au)

Information on National Training Packages is also available through Training.Gov (TGA), which can be located on the Internet at: [www.training.gov.au](http://www.training.gov.au)

**All RTOs who have Training Package qualifications on their Scope of Delivery must have access to the relevant Training Package.**

## Transition Arrangements

Registered Training Organisations (RTOs) are required to deliver Training Package qualifications within 12 months of the release date of the Training Package on to Training.gov.au (TGA).

Students currently enrolled in an existing version of the Training Package qualification should be permitted to complete the program they enrolled in initially, unless the move to the related qualification from a Training Package can be made without disadvantage to a student.

## Nominal Hours

The Commonwealth Department of Employment, Education and Workplace Relations' definition of nominal hours states:

***“The value assigned to a structured program of study that nominally represents the anticipated hours of supervised learning and/or training deemed necessary to conduct training/learning and assessment activities associated with the program of study”***

Source: National Quality Council Training Package Glossary Version V2.1 17/03/2010  
<http://www.deewr.gov.au/Skills/Overview/Policy/TPDH/Downloads/Documents/TrainingPackGlossary.pdf>

Nominal hours are identified for each Training Package qualification. Total nominal hours may vary within a qualification depending on the units of competency.

In Western Australia, nominal hours are used as a mechanism for funding allocation.

## Version Modification History

The version details of this endorsed Training Package are in the table below. The latest information is at the top of the table.

Version	TGA Release Date	Modification History
3.0	30 April 2012	<p><b>The following 3 new units will be included in the Certificate II and III in Water Operations to meet specific standards gaps:</b></p> <ul style="list-style-type: none"> <li>• NWP279 Demonstrate knowledge of the risk management principles of the Australian drinking water guidelines</li> <li>• NWP369 Monitor, operate and control lagoon processes</li> <li>• NWP370 Perform water industry calculations</li> </ul> <p><b>The following new units will be included as elective in the existing NWP50107 Diploma of Water Operations:</b></p> <ul style="list-style-type: none"> <li>• NWP552 Apply mathematical solutions to engineering problems</li> <li>• NWP553 Apply scientific principles to engineering problems</li> <li>• NWP554 Apply surveying computations to civil engineering projects</li> <li>• NWP555 Apply construction principles to civil engineering works</li> <li>• NWP556 Apply environmental solutions to engineering projects</li> <li>• NWP557 Apply surveying for civil engineering projects</li> <li>• NWP558 Use computer aided drafting systems</li> <li>• NWP559 Apply principles of mechanics to engineering problems</li> <li>• NWP560 Apply principles of strength of materials to engineering problems</li> </ul> <p><b>The following units will be included in the new NWP60112 Advanced Diploma of Water Engineering Design:</b></p> <ul style="list-style-type: none"> <li>• NWP601 Design a water reticulation scheme</li> <li>• NWP602 Design gravity sewerage systems</li> <li>• NWP603 Design pressure sewerage systems</li> <li>• NWP604 Manage the construction of pipeline systems</li> <li>• NWP605 Plan sewerage reticulation systems</li> <li>• NWP606 Plan water reticulation systems</li> <li>• NWP607 Manage drinking water quality information</li> <li>• NWP608 Design sewerage pumping station systems</li> <li>• NWP609 Manage assets in a water utility</li> <li>• NWP610 Apply statistical methods for quality control and reliability</li> </ul> <p><b>3 updated imported units of competency:</b></p> <ul style="list-style-type: none"> <li>• BSBWOR301B Organise personal work priorities and development</li> <li>• BSBWOR404B Develop work priorities</li> <li>• AHCLPW306A Undertake sampling and testing of water</li> </ul>
2.0	23 December 2010	<p>NWP10107 Certificate I in Water Sustainability is updated to NWP10110 Certificate I in Water Sustainability.</p> <p>Review of the Certificate I in Water Sustainability resulting in minor changes to requirements for assessment appropriate for delivery in schools. New versions of core and elective units: NWP101B Investigate sustainable water cycle management, NWP102B Design a basic water system model, NWP103B Demonstrate care and safe practices, NWP104B Sample and test water sources and quality and NWP105B Draw and use simple maps, plans and drawings.</p> <p>Unless specified, following changes apply only to elective units.</p> <p>Two new units have been developed for water meter installation in the Certificate III in Water Operations:</p>

Version	TGA Release Date	Modification History
		<ul style="list-style-type: none"> <li>○ NWP302A Install meters for non-potable, non-urban water supplies, and</li> <li>○ NWP304A Maintain meters for non-potable, non-urban water supplies.</li> </ul> <p>NWP325B Conduct and report on dam safety inspection and basic monitoring replaced by three new units for dam safety monitoring in the Certificate III in Water Operations;</p> <ul style="list-style-type: none"> <li>○ NWP326A Conduct and report dam safety instrumentation monitoring,</li> <li>○ NWP327A Inspect and report on concrete dam safety and</li> <li>○ NWP328A Inspect and report on embankment dams safety.</li> </ul> <p>The units NWP334B, NWP335B, NWP336B and NWP337B have been combined in a new unit NWP303A Monitor and control maintenance of water and wastewater system assets.</p> <p>Certificate III in Water Operations includes two updated versions of imported core unit of competency:</p> <ul style="list-style-type: none"> <li>○ BSBWOR301A Organise personal work priorities and development, and</li> <li>○ BSBOHS303B Contribute to OHS hazard identification and risk assessment.</li> </ul> <p>New unit for hydrography in the Certificate IV in Water Operations:</p> <ul style="list-style-type: none"> <li>○ NWP420A Install, operate and maintain hydrologic instruments and equipment</li> <li>○ NWP438A Measure and process hydrometric stream discharge data in flood conditions replaced by NWP421A Collect, measure and process hydrologic stream discharge gauging</li> </ul> <p>NWP437A Analyse data and produce hydrometric reports incorporated into NWP421A.</p> <p>NWP426B Coordinate and monitor the operation of potable water systems replaced by NWP403A Investigate and plan the optimisation of potable water distribution systems.</p> <p>NWP410B Coordinate and monitor asset constructions and maintenance has an updated version: NWP410C Coordinate and monitor asset construction and maintenance.</p> <p>Replacement of two large units in water and wastewater treatment in Certificate IV in Water Operations:</p> <ul style="list-style-type: none"> <li>○ NWP435B Coordinate and monitor the optimisation of water treatment processes</li> <li>○ NWP436B Coordinate and monitor the optimisation of wastewater treatment processes</li> </ul> <p>with smaller units to allow greater flexibility:</p> <ul style="list-style-type: none"> <li>○ NWP404A Apply principles of chemistry to water systems and processes</li> <li>○ NWP406A Investigate and plan the optimisation of granular media filtration processes</li> <li>○ NWP407A Investigate and plan the optimisation of dissolved air flotation processes</li> <li>○ NWP408A Investigate and plan the optimisation of sedimentation and clarification processes</li> <li>○ NWP409A Investigate and plan to optimise the operation of chemical addition processes</li> </ul>

Version	TGA Release Date	Modification History
		<ul style="list-style-type: none"> <li>○ NWP411A Select treatment requirements for waterborne microorganisms</li> <li>○ NWP412A Investigate and plan the optimisation of activated sludge processes</li> <li>○ NWP413A Investigate and plan the optimisation of anaerobic treatment processes</li> <li>○ NWP414A Select strategies to control microbial impact on wastewater treatment processes</li> </ul> <p>New elective unit: NWP432A Contribute to the continuous improvement of quality systems.</p> <p>Additional imported units have been added to the Certificate IV in Water Operations:</p> <ul style="list-style-type: none"> <li>○ RTD3507A Undertake sampling and testing of water</li> <li>○ MEM30027A Prepare basic programs for programmable logic controllers</li> <li>○ MSACMT461A Facilitate SCADA systems in a manufacturing team or work area</li> <li>○ NWP219A Work safely in confined spaces has been included as an elective at Certificate IV in Water Operations.</li> </ul> <p>Units for hydrography have been added to the Diploma of Water Operations:</p> <ul style="list-style-type: none"> <li>○ NWP504A Collect and manage hydrometric station survey data</li> <li>○ NWP508A Apply principles of hydraulics to pipe and channel flows</li> <li>○ NWP509A Collect, verify and report hydrometric time series data</li> <li>○ NWP510A Develop and maintain ratings</li> </ul> <p>Imported units have been updated to new codes in reviewed parent Training Package. These include core units in Certificate III and Certificate IV.</p> <p>Skills Sets have been developed for dam safety monitoring, water metering and hydrography.</p>
1.1	July 2010	ISC Upgrade to incorporate wording for flexible packaging policy into 20 High Use qualifications. NWP20107 and NWP30107 slight changes to cover accredited courses as source for imported electives.
1	12 March 2008	ISC Upgrade to incorporate wording for flexible packaging policy into 20 High Use qualifications. NWP20107 and NWP30107 slight changes to cover accredited courses as source for imported electives.
1	20 May 2002	Primary release, based on revision of UTW98 Water Industry Training Package.



## Qualifications and Nominal Hours

The following table provides a summary of the qualifications and nominal hours in version 3 of the NWP07 Water Training Package

*Note: Version 3's new qualification is highlighted in red*

National ID	Qualification Title	Nominal Hours
NWP10110	Certificate I in Water Industry Operations	210
NWP20107	Certificate II in Water Operations	280
NWP30107	Certificate III in Water Operations	340
NWP40107	Certificate IV in Water Operations	360
NWP50107	Diploma of Water Operations	580
<b>NWP60112</b>	<b>Advanced Diploma of Water Engineering Design</b>	<b>720</b>
NWP70107	Vocational Graduate Certificate in Water Industry Leadership	480

## Units of Competency and Nominal Hours

The following table provides a summary of the units of competency and nominal hours in version 3 of the NWP07 Water Training Package

*Note: Version 3 new units are highlighted in red*

National ID	Unit of Competency Title	Hours
NWP101B	Investigate sustainable water cycle management	30
NWP102B	Design a basic water system model	30
NWP103B	Demonstrate care and safe practices	20
NWP104B	Sample and test water sources and quality	40
NWP105B	Draw and use simple maps, plans and drawings	20
NWP201B	Follow defined OHS procedures and regulatory requirements	40
NWP202B	Apply environmental and licensing procedures	30
NWP203B	Plan and organise personal work activities	20
NWP207A	Work effectively in the water industry	20
NWP208A	Perform basic wastewater tests	20
NWP209B	Use maps, plans, drawings and specifications	30
NWP210B	Perform basic water quality tests	20
NWP211B	Use computerised systems	20
NWP213B	Monitor and operate irrigation and domestic delivery systems	30
NWP215B	Install and replace basic volumetric metering equipment	30
NWP216B	Install basic metering equipment and flow control devices for irrigation systems	30
NWP218B	Perform and record sampling	20
NWP219A	Work safely in confined spaces	20
NWP220B	Collect and control drainage run-off	30
NWP221A	Operate basic flow control and regulating devices in water or wastewater treatment network systems	20
NWP222A	Operate basic flow control and regulating devices in irrigation systems	20
NWP223A	Install basic metering equipment, flow control and regulating devices	40
NWP226B	Prepare and restore work site	40
NWP227B	Control vegetation on a site	20
NWP229B	Repair minor structures	20
NWP230B	Maintain and repair irrigation channels and drains	30
NWP231B	Maintain and repair drainage assets	30
NWP232B	Operate water reticulation and distribution system	30
NWP233B	Construct and install water distribution assets	30
NWP234B	locate, identify and protect utility services	30
NWP239B	Identify and apply water entitlements and delivery processes	30
NWP240B	Inspect and report catchment and surrounding areas	20
NWP241B	Inspect and maintain basic dams and water storages	30
NWP242B	Monitor and report water extraction	20
NWP243B	Operate bore fields and groundwater source systems	20
NWP244B	Maintain and repair bulkwater assets	30
NWP245B	Maintain tanks and water storage assets	40
NWP246B	Inspect and maintain public facilities	30
NWP247A	Maintain catchment and surrounding areas	40
NWP250B	Construct and install wastewater pipelines	30
NWP251B	Construct open earthen channels or drains	30
NWP252B	Construct and install irrigation delivery and stormwater drainage assets	30
NWP253B	Install and repair water services	40
NWP254B	Repair or insert water distribution assets	30
NWP255B	Maintain and repair wastewater collection assets	20
NWP256B	Monitor and report water distribution systems	30
NWP257B	Maintain and repair wastewater collection systems	30
NWP258B	Monitor and operate bulkwater transfer systems	30

National ID	Unit of Competency Title	Hours
NWP259B	Operate, monitor and maintain pump stations	30
NWP260A	Monitor and report water treatment processes	30
NWP261A	Operate and maintain water treatment plant and equipment	30
NWP262A	Monitor and report wastewater treatment processes	30
NWP263A	Operate and maintain wastewater treatment plant and equipment	30
NWP264B	Monitor, operate and report wastewater pre-treatment processes	20
NWP268B	Monitor, operate and report chlorine disinfection systems	40
NWP270B	Monitor, operate and report basic anaerobic processes	30
NWP271B	Monitor, operate and report sedimentation processes	20
NWP272B	Monitor, operate and report wastewater lagoon processes	40
NWP273A	Monitor, operate and report ultraviolet irradiation disinfection systems	20
NWP274A	Monitor, operate and report ozone treatment systems	30
NWP275A	Monitor, operate and report chlorine dioxide systems	30
NWP276A	Monitor, operate and report fluoridation systems	20
NWP277A	Work safely with liquefied chlorine gas	10
NWP278A	Perform blue green algae sampling	10
NWP279	Demonstrate knowledge of the risk management principles of the Australian drinking water guidelines	10
NWP300B	Provide and promote customer service	30
NWP301B	Implement, monitor and coordinate environmental procedures	40
NWP302A	Install meters for non-potable, non-urban water supplies	30
NWP303A	Monitor and control maintenance of water and wastewater system assets	50
NWP304A	Maintain meter for non-potable, non-urban water supplies	20
NWP305B	Monitor and conduct maintenance of complex flow-control and metering devices	40
NWP308B	Test and commission wastewater collection systems	40
NWP309B	Test and commission water distribution systems	40
NWP310B	Monitor and operate water distribution systems	30
NWP311B	Monitor and operate wastewater collection and transfer systems	30
NWP315B	Investigate and report breaches of water industry legislation	30
NWP316B	Monitor and schedule water deliveries	30
NWP317B	Control water quality in distribution systems	30
NWP318A	Monitor and operate gated spillways	50
NWP319A	Monitor and control dam operations	50
NWP320B	Monitor and implement dam maintenance	30
NWP321B	Inspect and operate groundwater regulation	30
NWP322B	Inspect and operate surface water systems	30
NWP323B	Monitor and coordinate catchment operations	30
NWP324B	Inspect and report river regulation operations	30
NWP325B	Conduct and report on dam safety inspection and basic monitoring	30
NWP326A	Conduct and report dam safety instrumentation monitoring	30
NWP327A	Inspect and report on concrete dam safety	30
NWP328A	Inspect and report on embankment dam safety	30
NWP330B	Establish positions of underground utilities using locating devices	30
NWP331B	Inspect conduit and report on condition and features	40
NWP332B	Monitor, operate and control drainage operations	30
NWP333B	Monitor and control rural water distribution operations	30
NWP334B	Monitor and control maintenance of water distribution assets	30
NWP335B	Monitor and control maintenance of wastewater collection and transfer assets	30
NWP336B	Monitor and control maintenance of bulkwater assets	30
NWP337B	Monitor and control maintenance of irrigation delivery systems and drainage assets	30
NWP338B	Perform odour and infiltration investigations	30
NWP339B	Perform leak detection	20
NWP340A	Measure and process hydrometric stream discharge data using wading gaugings	60

National ID	Unit of Competency Title	Hours
NWP341A	Install and maintain hydrometric instruments and equipment	30
NWP342A	Commission, decommission and monitor hydrometric sites, stations and facilities	100
NWP345B	Monitor, operate and control water treatment processes	60
NWP346B	Monitor, operate and control wastewater treatment processes	60
NWP347B	Monitor, operate and control coagulation and flocculation processes	40
NWP348B	Monitor, operate and control sedimentation and clarification processes	30
NWP349B	Monitor, operate and control incineration processes	20
NWP350B	Monitor, operate and control aerobic bioreactor processes	20
NWP351B	Monitor, operate and control activated sludge processes	40
NWP352B	Monitor, operate and control dissolved air flotation processes	20
NWP353B	Monitor, operate and control anaerobic bioreactor processes	30
NWP354B	Monitor, operate and control granular media filtration processes	30
NWP355B	Monitor, operate and control membrane filtration processes	20
NWP356B	Monitor, operate and control ion exchange processes	20
NWP357B	Monitor, operate and control reverse osmosis and nano filtration processes	20
NWP359B	Monitor, operate and control nutrient removal processes	30
NWP360B	Monitor, operate and control dewatering processes	20
NWP361B	Monitor, operate and control gas scrubber treatment processes	20
NWP362B	Monitor, operate and control reclaimed water irrigation	30
NWP363B	Monitor performance and control maintenance of treatment plant assets	30
NWP364B	Perform laboratory testing	40
NWP365A	Identify and confirm blue green algae outbreaks	20
NWP366A	Monitor, operate and control chloramination disinfection processes	40
NWP367A	Monitor, operate and control activated carbon adsorption processes	30
NWP368A	Respond to blue green algae incidents	30
NWP369	Monitor, operate and control lagoon processes	30
NWP370	Perform water industry calculations	30
NWP401B	Coordinate and monitor the application of environmental plans and procedures	40
NWP403A	Investigate and plan the optimisation of potable water distribution systems	40
NWP404A	Apply principles of chemistry to water systems and processes	50
NWP406A	Investigate and plan the optimisation of granular media filtration	60
NWP407A	Investigate and plan the optimisation of dissolved air flotation processes	60
NWP408A	Investigate and plan the optimisation of sedimentation and clarification processes	60
NWP409A	Investigate and plan to optimise the operation of chemical addition processes	60
NWP410C	Coordinate and monitor asset construction and maintenance	40
NWP411A	Select treatment requirements for waterborne microorganisms	40
NWP412A	Investigate and plan the optimisation of activated sludge processes	60
NWP413A	Investigate and plan the optimisation of anaerobic treatment processes	60
NWP414A	Select strategies to control microbial impact on wastewater treatment processes	40
NWP415B	Coordinate and monitor surface water systems	40
NWP416B	Coordinate and monitor water storage catchment activities	40
NWP417B	Coordinate and monitor groundwater system usage	40
NWP418B	Coordinate and monitor bulkwater system operations	40
NWP419B	Coordinate and monitor river system usage	40
NWP420A	Install, operate and maintain hydrologic instruments and equipment	130
NWP421A	Collect, measure and process hydrometric stream discharge gauging	100
NWP425B	Coordinate and monitor the operation of irrigation delivery systems	40
NWP426B	Coordinate and monitor the operation of potable water systems	40
NWP427B	Coordinate and monitor the operation of drainage systems	40
NWP428B	Coordinate and monitor the operation of wastewater collection systems	40
NWP429B	Coordinate, implement and report trade waste monitoring procedures	40
NWP430A	Evaluate, implement and monitor standard low-risk trade waste discharge approvals	60
NWP431A	Investigate, rectify and report on trade waste incidents	70

National ID	Unit of Competency Title	Hours
NWP432A	Contribute to the continuous improvement of quality systems	40
NWP435B	Coordinate and monitor the optimisation of water treatment processes	40
NWP436B	Coordinate and monitor the optimisation of wastewater treatment processes	40
NWP437A	Analyse data and produce hydrometric reports	100
NWP438A	Measure and process hydrometric stream discharge data in flood conditions	100
NWP440A	Supervise conduit inspection and reporting	40
NWP504A	Collect and manage hydrometric station survey data	60
NWP505B	Implement and manage environmental management policies, plans, procedures and programs	100
NWP508A	Apply principles of hydraulics to pipe and channel flow	160
NWP509A	Collect, verify and report hydrometric time series data	100
NWP510A	Develop and maintain ratings	100
NWP511B	Manage large dam safety surveillance	100
NWP512B	Develop and review catchment management plan	100
NWP513B	Implement and manage catchment management plan	120
NWP514B	Develop and review groundwater management plan	100
NWP515B	Implement and manage groundwater management plan	100
NWP516B	Develop and review surface water management plan	120
NWP517B	Implement and manage surface water management plan	120
NWP518B	Prepare and report on data related to flood mitigation	80
NWP519B	Develop and report flood mitigation	80
NWP520A	Contribute to hydrometric planning and water resource management	100
NWP525B	Implement and manage asset construction and maintenance	100
NWP527B	Conduct commissioning and post-commissioning activities	120
NWP528B	Develop and modify trade waste management policies and plans	100
NWP529B	Implement and manage trade waste management policies and plans	80
NWP530B	Develop and review irrigation system's management plan	100
NWP531B	Implement and manage the operation and maintenance of irrigation delivery systems	80
NWP532B	Develop and review potable water system management plan	100
NWP533B	Implement and manage potable water system management plan	80
NWP534B	Develop and review drainage system management plan	100
NWP535B	Implement and manage drainage system management plan	80
NWP536B	Develop and review wastewater collection management plan	100
NWP537B	Implement and manage wastewater collection management plan	80
NWP545B	Develop and review management plan for water treatment processes	120
NWP546B	Implement and manage management plan for water treatment processes	80
NWP547B	Develop and review monitoring program for wastewater treatment processes	120
NWP548B	Implement and manage monitoring program for wastewater treatment processes	80
NWP551A	Evaluate, implement and monitor high-risk trade waste discharge approvals	120
NWP552	Apply mathematical solutions to engineering problems	80
NWP553	Apply scientific principles to engineering problems	60
NWP554	Apply surveying computations to civil engineering projects	60
NWP555	Apply construction principles to civil engineering works	45
NWP556	Apply environmental solutions to engineering projects	40
NWP557	Apply surveying for civil engineering projects	40
NWP558	Use computer aided drafting systems	80
NWP559	Apply principles of mechanics to engineering problems	60
NWP560	Apply principles of strength of materials to engineering problems	60
NWP601	Design a water reticulation system	80
NWP602	Design gravity sewerage systems	60
NWP603	Design pressure sewerage systems	60
NWP604	Manage the construction of pipeline systems	60
NWP605	Plan sewerage reticulation systems	80

National ID	Unit of Competency Title	Hours
NWP606	Plan water reticulation systems	80
NWP607	Manage drinking water quality	80
NWP608	Design sewerage pumping station systems	60
NWP609	Manage assets in a water utility	60
NWP610	Apply statistical methods for quality control and reliability	60
NWP701A	Contribute to the development of a complex water organisation	100
NWP702A	Apply water industry legislation, codes and standards	100
NWP703A	Lead water planning processes	120
NWP704A	Lead a project development	120
NWP705A	Provide leadership in hydrometric network planning and water resource management	120
NWP706A	Review and evaluate water and wastewater sustainability objectives	120
NWP707A	Analyse and review water treatment plant technology	120

## Mapping Qualifications

The following table provides an overview of the qualifications from Version 3 which replace qualifications from the existing version of the NWP07 Water Training Package

Version 2			Version 3		
National ID	Qualification Title	Hours	National ID	Qualification Title	Hours
NWP10110	Certificate I in Water Industry Operations	210		No change	
NWP20107	Certificate II in Water Operations	280		No change	
NWP30107	Certificate III in Water Operations	340		No change	
NWP40107	Certificate IV in Water Operations	360		No change	
NWP50107	Diploma of Water Operations	580		No change	
	No previous equivalent		NWP60112	Advanced Diploma of Water Engineering Design	720
NWP70107	Vocational Graduate Certificate in Water Industry Leadership	480		No change	

## Mapping Units of Competency

The following table provides an overview of the units of competency from version 2 which are replaced by the units of competency from version 3 of the NWP07 Water Training Package

National ID	Version 2 Title	Hours	National ID	Version 3 Title	Hours
	No previous equivalent		NWP279	Demonstrate knowledge of the risk management principles of the Australian drinking water guidelines	10
	No previous equivalent		NWP369	Monitor, operate and control lagoon processes	30
	No previous equivalent		NWP370	Perform water industry calculations	30
	No previous equivalent		NWP552	Apply mathematical solutions to engineering problems	80
	No previous equivalent		NWP553	Apply scientific principles to engineering problems	60
	No previous equivalent		NWP554	Apply surveying computations to civil engineering projects	60
	No previous equivalent		NWP555	Apply construction principles to civil engineering works	45
	No previous equivalent		NWP556	Apply environmental solutions to engineering projects	40
	No previous equivalent		NWP557	Apply surveying for civil engineering projects	40
	No previous equivalent		NWP558	Use computer aided drafting systems	80
	No previous equivalent		NWP559	Apply principles of mechanics to engineering problems	60
	No previous equivalent		NWP560	Apply principles of strength of materials to engineering problems	60
	No previous equivalent		NWP601	Design a water reticulation system	80
	No previous equivalent		NWP602	Design gravity sewerage systems	60
	No previous equivalent		NWP603	Design pressure sewerage systems	60
	No previous equivalent		NWP604	Manage the construction of pipeline systems	60
	No previous equivalent		NWP605	Plan sewerage reticulation systems	80
	No previous equivalent		NWP606	Plan water reticulation systems	80
	No previous equivalent		NWP607	Manage drinking water quality	80
	No previous equivalent		NWP608	Design sewerage pumping station systems	60
	No previous equivalent		NWP609	Manage assets in a water utility	60
	No previous equivalent		NWP610	Apply statistical methods for quality control and reliability	60