

NWP National Water Training Package

Version 1.00

WA NOMINAL HOURS GUIDE

Introduction

This Guide has been generated to enable the stakeholders in this Industry in Western Australia to participate in the managed implementation of the National NWP National Water Training Package.

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

Version 1.00 of the NWP National Water Training Package was released by Training.Gov.Au (TGA) on the 07/12/2015.

Transition Arrangements

Registered Training Organisations (RTOs) are required to deliver Training Package qualifications in accordance with the Standards for RTOs. For further information visit the Training Accreditation Council website www.tac.wa.gov.au

Nominal Hours

Nominal hours are the hours of training notionally required to achieve the outcomes of units of competency.

Nominal hours are identified for nationally endorsed qualifications. Nominal hours may vary for a qualification depending on the selection of units of competency.

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

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Qualifications and Nominal Hours

The following table provides a summary of the qualifications and nominal hours in the industry.

National Code	National Title	Nominal Hours
NWP20115	Certificate II in Water Industry Operations	282
NWP30215	Certificate III in Water Industry Operations	335
NWP30315	Certificate III in Water Industry Treatment	277
NWP30415	Certificate III in Water Industry Irrigation	330
NWP40515	Certificate IV in Water Industry Operations	455
NWP40615	Certificate IV in Water Industry Treatment	445
NWP50715	Diploma of Water Industry Operations	591

Units of Competency and Nominal Hours

The following table provides a summary of the units of competency and nominal hours in the industry.

National Code	National Title	Nominal Hours
NWPGEN001	Apply the risk management principles of the water industry standards, guidelines and legislation	10
NWPGEN002	Ensure compliance with water industry standards, guidelines and legislation	55
NWPGEN003	Apply environmental and licensing procedures of the water industry	30
NWPGEN004	Assess, implement and report environmental procedures	40
NWPGEN005	Coordinate and monitor the application of environmental plans and procedures	40
NWPGEN006	Implement and manage environmental management policies	100
NWPGEN007	Sample and test drinking water	35
NWPGEN008	Sample and test wastewater	35
NWPGEN009	Perform laboratory testing	40
NWPGEN010	Contribute to continuous improvement of quality systems	40
NWPGEN011	Use maps, plans, drawings and specifications	25
NWPGEN012	Support the role and functions of the water industry	20
NWPGEN013	Apply principles of chemistry to water systems and processes	50
NWPGEN014	Sample and test trade wastewater	35
NWPGEN015	Develop an operational plan	35
NWPHYD001	Apply principles of open channel hydraulics	35
NWPHYD011	Measure and process low and medium flows using area velocity methods	60
NWPHYD012	Establish monitoring sites	100
NWPHYD013	Operate, maintain and decommission monitoring sites	130
NWPHYD014	Measure and process medium and high flows using a range of methods and equipment	100
NWPHYD015	Undertake surveying of monitoring sites	60
NWPHYD016	Process and report hydrographic time series data	100
NWPHYD017	Develop and maintain ratings	100

NWPHYD018	Plan water resource management	100
NWPIRR001	Monitor and operate irrigation and domestic delivery systems	30
NWPIRR002	Operate basic flow control and regulating devices in irrigation systems	20
NWPIRR003	Inspect and operate surface water systems	30
NWPIRR011	Install devices for irrigation systems	30
NWPIRR012	Construct open earthen channels or drains	30
NWPIRR013	Construct and install irrigation delivery and stormwater drainage assets	30
NWPIRR014	Install meters for rural water supplies	20
NWPIRR021	Maintain and repair irrigation channels and drains	30
NWPIRR022	Maintain meters for rural water supplies	20
NWPIRR023	Detect and rectify faults with automated channel regulators	35
NWPIRR024	Monitor and conduct maintenance on flow control and metering devices	40
NWPIRR031	Monitor and control drainage operations	30
NWPIRR032	Monitor and control rural water distribution operations	30
NWPIRR033	Coordinate and monitor the operation of irrigation delivery systems	40
NWPIRR034	Coordinate and monitor surface water systems	40
NWPIRR035	Coordinate and monitor the operation of drainage systems	40
NWPIRR041	Identify and apply water entitlements and delivery processes	30
NWPIRR042	Monitor and schedule water deliveries	30
NWPIRR051	Provide and promote customer service	30
NWPIRR061	Develop and review groundwater management plan	100
NWPIRR062	Develop and review irrigation system management plan	120
NWPIRR063	Develop and review surface water management plan	120
NWPIRR071	Implement and coordinate irrigation delivery systems	100
NWPIRR072	Implement and coordinate surface water management plan	120
NWPIRR073	Implement and coordinate catchment management plan	100
NWPIRR074	Implement and coordinate groundwater management plan	100
NWPNET001	Disinfect network assets	25

NWPNET002	Prepare and restore work site	40
NWPNET003	Control electrical risk on metallic pipes	10
NWPNET004	Monitor and operate network systems	35
NWPNET005	Optimise network systems	40
NWPNET011	Locate, identify and protect utilities	30
NWPNET012	Use locating devices	30
NWPNET013	Identify and respond to water problems	30
NWPNET014	Perform odour and infiltration investigations	30
NWPNET015	Perform leak detection	20
NWPNET016	Inspect sewer or stormwater line	40
NWPNET017	Supervise and report on conduit inspections	40
NWPNET021	Install metering equipment	35
NWPNET022	Maintain and repair network assets for drinking water	45
NWPNET023	Maintain and repair network assets for wastewater	45
NWPNET024	Maintain and repair network assets for bulkwater	30
NWPNET025	Coordinate and manage maintenance and repair of network assets	50
NWPNET026	Install, maintain and repair hydrants	20
NWPNET027	Monitor and control vacuum sewer systems	45
NWPNET031	Construct and install water distribution assets	30
NWPNET032	Construct and install wastewater assets	30
NWPNET033	Coordinate and monitor water asset construction	65
NWPNET034	Conduct commissioning and post-commissioning activities	120
NWPNET041	Monitor and operate water distribution systems	30
NWPNET042	Monitor and operate wastewater collection and transfer systems	30
NWPNET043	Monitor and operate bulkwater transfer systems	30
NWPNET044	Test and commission water distribution systems	40
NWPNET045	Test and commission wastewater collection systems	40
NWPSOU001	Respond to blue-green algae outbreaks	20

NWPSOU002	Control vegetation on a site	20
NWPSOU003	Identify and confirm blue-green algae outbreaks	20
NWPSOU011	Maintain catchment and surrounding areas	40
NWPSOU012	Monitor, inspect and report catchment operations	20
NWPSOU013	Monitor and coordinate catchment operations	30
NWPSOU014	Develop and implement catchment operational plans	40
NWPSOU021	Inspect and maintain basic dams and water storages	30
NWPSOU022	Monitor and control dam operations	50
NWPSOU023	Monitor and implement dam maintenance	30
NWPSOU024	Inspect and report on concrete dam safety	30
NWPSOU025	Inspect and report on embankment dam safety	30
NWPSOU026	Implement dam safety plans	100
NWPSOU027	Route floods through storages	50
NWPSOU028	Prepare and report on data related to flood operations	70
NWPSOU029	Conduct and report dam safety instrumentation monitoring	30
NWPSOU030	Inspect and report river performance	25
NWPSOU031	Operate and maintain locks and weirs	45
NWPSOU032	Operate and maintain fishways	45
NWPSOU033	Operate and maintain salt interception works	35
NWPSOU041	Coordinate and monitor bulkwater system operations	40
NWPSOU051	Monitor and operate groundwater extraction	35
NWPSOU052	Inspect and operate groundwater regulation	30
NWPSOU053	Coordinate and monitor groundwater system usage	40
NWPSOU054	Monitor and operate pump stations	30
NWPTRD001	Evaluate, implement and monitor standard low risk trade waste discharge approvals	60
NWPTRD002	Evaluate, implement and monitor high risk trade waste discharge approvals	120
NWPTRD011	Investigate and report on breaches of water industry legislation	30
NWPTRD012	Investigate, rectify and report on trade waste incidents	70

NWPTRD021	Implement and manage trade waste policies and plans	100
NWPTRD022	Develop and modify trade waste policies and plans	80
NWPTRD023	Coordinate, implement and report on trade waste monitoring procedures	40
NWPTRD024	Establish connections of water and wastewater systems	25
NWPTRT001	Operate and control water treatment processes	45
NWPTRT011	Assess and improve chemical dosing process	60
NWPTRT012	Operate and control fluoride addition process	20
NWPTRT013	Operate and control liquefied chlorine gas disinfection	35
NWPTRT014	Operate and control iron and manganese removal processes	20
NWPTRT015	Operate and control coagulation and flocculation processes	40
NWPTRT031	Operate and control sedimentation and clarification processes	30
NWPTRT032	Assess and improve sedimentation processes	60
NWPTRT033	Operate and control DAF processes	25
NWPTRT034	Operate and control activated carbon processes	20
NWPTRT035	Operate and control ion exchange and softening processes	20
NWPTRT041	Operate and control granular media filters	30
NWPTRT042	Assess and improve granular media filters	60
NWPTRT043	Operate and control membrane filters	20
NWPTRT044	Operate and control desalination processes	35
NWPTRT045	Assess and improve desalination processes	35
NWPTRT051	Assess and improve treatment for pathogen removal	35
NWPTRT052	Operate and control hypochlorite disinfection processes	40
NWPTRT053	Operate and control UV processes	20
NWPTRT054	Operate and control chloramination processes	40
NWPTRT055	Operate chlorine dioxide processes	30
NWPTRT056	Operate and control ozone processes	30
NWPTRT061	Operate and control wastewater processes	45
NWPTRT062	Operate and control reclaimed water irrigation	30

NWPTRT071	Operate and control pre-treatment processes	20
NWPTRT072	Operate and control odour removal processes	25
NWPTRT073	Operate and control wastewater sedimentation processes	20
NWPTRT081	Operate and control activated sludge processes	40
NWPTRT082	Operate and control nutrient removal processes	30
NWPTRT083	Operate and control aerobic bioreactor processes	20
NWPTRT084	Assess and improve activated sludge and nutrient removal processes	60
NWPTRT085	Assess and improve wastewater processes to control microbial impacts	40
NWPTRT091	Operate and control solids handling processes	20
NWPTRT092	Operate and control digestion processes	35
NWPTRT093	Assess and improve anaerobic digestion processes	60
NWPTRT094	Operate and control incineration processes	20
NWPTRT101	Operate and control lagoon processes	25

Mapping Qualifications

The following table provides an overview of the qualifications from Version 1.00 which replace qualifications from the existing version of the NWP07 Water Training Package.

NWP07 Current Qualification				NWP Replacement Qualification		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
			-	NWP20115	Certificate II in Water Industry Operations	282
			-	NWP30215	Certificate III in Water Industry Operations	335
			-	NWP30315	Certificate III in Water Industry Treatment	277
			-	NWP30415	Certificate III in Water Industry Irrigation	330
			-	NWP40515	Certificate IV in Water Industry Operations	455
			-	NWP40615	Certificate IV in Water Industry Treatment	445
			-	NWP50715	Diploma of Water Industry Operations	591

Mapping Units of Competency

The following table provides an overview of the units of competency from Version 1.00 which replace units of competency from the existing version of the NWP07 National Water Training Package.

NWP07 Current Unit				NWP Replacement Unit		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
			-	NWPGEN001	Apply the risk management principles of the water industry standards, guidelines and legislation	10
			-	NWPGEN002	Ensure compliance with water industry standards, guidelines and legislation	55
NWP202B	Apply environmental and licensing procedures	30	E	NWPGEN003	Apply environmental and licensing procedures of the water industry	30
NWP301B	Implement, monitor and coordinate environmental procedures	40	E	NWPGEN004	Assess, implement and report environmental procedures	40
NWP401B	Coordinate and monitor the application of environmental plans and procedures	40	E	NWPGEN005	Coordinate and monitor the application of environmental plans and procedures	40
NWP505B	Implement and manage environmental management policies, plans, procedures and programs	100	E	NWPGEN006	Implement and manage environmental management policies	100
			-	NWPGEN007	Sample and test drinking water	35
			-	NWPGEN008	Sample and test wastewater	35
NWP364B	Perform laboratory testing	40	E	NWPGEN009	Perform laboratory testing	40
NWP432A	Contribute to continuous improvement of quality systems	40	E	NWPGEN010	Contribute to continuous improvement of quality systems	40
			-	NWPGEN011	Use maps, plans, drawings and specifications	25
			-	NWPGEN012	Support the role and functions of the water industry	20
NWP404A	Apply principles of chemistry to water systems and processes	50	E	NWPGEN013	Apply principles of chemistry to water systems and processes	50
			-	NWPGEN014	Sample and test trade wastewater	35
			-	NWPGEN015	Develop an operational plan	35
NWP508A	Apply principles of hydraulics to pipe and channel flow	160	NE	NWPHYD001	Apply principles of open channel hydraulics	35
NWP340A	Measure and process hydrometric stream discharge data using wading gaugings	60	E	NWPHYD011	Measure and process low and medium flows using area velocity methods	60

NWP342A	Commission, decommission and monitor hydrometric sites, stations and facilities	100	E	NWPHYD012	Establish monitoring sites	100
NWP420A	Install, operate and maintain hydrometric instruments and equipment	130	E	NWPHYD013	Operate, maintain and decommission monitoring sites	130
NWP421A	Collect, measure and process hydrometric stream discharge gauging	100	E	NWPHYD014	Measure and process medium and high flows using a range of methods and equipment	100
NWP504A	Collect and manage hydrometric station survey data	60	E	NWPHYD015	Undertake surveying of monitoring sites	60
NWP509A	Collect, verify and report hydrometric time series data	100	E	NWPHYD016	Process and report hydrographic time series data	100
NWP510A	Develop and maintain ratings	100	E	NWPHYD017	Develop and maintain ratings	100
NWP520A	Contribute to hydrometric planning and water resource management	100	E	NWPHYD018	Plan water resource management	100
NWP213B	Monitor and operate irrigation, stock and domestic delivery systems	30	E	NWPIRR001	Monitor and operate irrigation and domestic delivery systems	30
NWP222A	Operate basic flow control and regulating devices in irrigation systems	20	E	NWPIRR002	Operate basic flow control and regulating devices in irrigation systems	20
NWP322B	Inspect and operate surface water systems	30	E	NWPIRR003	Inspect and operate surface water systems	30
NWP216B	Install basic metering equipment and flow control devices for irrigation systems	30	E	NWPIRR011	Install devices for irrigation systems	30
NWP251B	Construct open earthen channels or drains	30	E	NWPIRR012	Construct open earthen channels or drains	30
NWP252B	Construct and install irrigation delivery and stormwater drainage assets	30	E	NWPIRR013	Construct and install irrigation delivery and stormwater drainage assets	30
NWP302A	Install meters for non-potable, non-urban water supplies	20	E	NWPIRR014	Install meters for rural water supplies	20
NWP230B	Maintain and repair irrigation channels and drains	30	E	NWPIRR021	Maintain and repair irrigation channels and drains	30
NWP304A	Maintain meters for non-potable, non-urban water supplies	20	E	NWPIRR022	Maintain meters for rural water supplies	20
			-	NWPIRR023	Detect and rectify faults with automated channel regulators	35
NWP305B	Monitor and conduct minor maintenance on complex flow control and metering devices	40	E	NWPIRR024	Monitor and conduct maintenance on flow control and metering devices	40
NWP332B	Monitor and control drainage operations	30	E	NWPIRR031	Monitor and control drainage operations	30
NWP333B	Monitor and control rural water distribution operations	30	E	NWPIRR032	Monitor and control rural water distribution operations	30
NWP425B	Coordinate and monitor the operation of irrigation delivery systems	40	E	NWPIRR033	Coordinate and monitor the operation of irrigation delivery systems	40

NWP415A	Co-ordinate and monitor surface water systems operations	40	E	NWPIRR034	Coordinate and monitor surface water systems	40
NWP427B	Coordinate and monitor the operation of drainage systems	40	E	NWPIRR035	Coordinate and monitor the operation of drainage systems	40
NWP239B	Identify and apply water entitlements and delivery processes	30	E	NWPIRR041	Identify and apply water entitlements and delivery processes	30
NWP316B	Monitor and schedule water deliveries	30	E	NWPIRR042	Monitor and schedule water deliveries	30
NWP300B	Provide and promote customer service	30	E	NWPIRR051	Provide and promote customer service	30
NWP515B	Develop and review groundwater management plan	100	E	NWPIRR061	Develop and review groundwater management plan	100
NWP517B	Develop and review surface water management plan	120	E	NWPIRR062	Develop and review irrigation system management plan	120
NWP517B	Develop and review surface water management plan	120	E	NWPIRR063	Develop and review surface water management plan	120
NWP530B	Implement and manage the operation and maintenance of irrigation delivery systems	100	E	NWPIRR071	Implement and coordinate irrigation delivery systems	100
NWP516B	Implement and manage surface water management plan	120	E	NWPIRR072	Implement and coordinate surface water management plan	120
NWP512B	Implement and manage catchment management plan	100	E	NWPIRR073	Implement and coordinate catchment management plan	100
NWP514B	Implement and manage groundwater management plan	100	E	NWPIRR074	Implement and coordinate groundwater management plan	100
			-	NWPNET001	Disinfect network assets	25
NWP226B	Prepare and restore work site	40	E	NWPNET002	Prepare and restore work site	40
			-	NWPNET003	Control electrical risk on metallic pipes	10
			-	NWPNET004	Monitor and operate network systems	35
NWP403A	Investigate and plan the optimisation of potable water distribution systems	40	E	NWPNET005	Optimise network systems	40
NWP234B	Locate, identify and protect utility services	30	E	NWPNET011	Locate, identify and protect utilities	30
NWP330B	Establish positions of underground utilities using locating devices	30	E	NWPNET012	Use locating devices	30
NWP317B	Control water quality in distribution systems	30	E	NWPNET013	Identify and respond to water problems	30
NWP338B	Perform infiltration and odour investigations	30	E	NWPNET014	Perform odour and infiltration investigations	30
NWP339B	Perform leak detection	20	E	NWPNET015	Perform leak detection	20
NWP331B	Inspect conduit and report on condition and features	40	E	NWPNET016	Inspect sewer or stormwater line	40
NWP440A	Supervise conduit inspection and reporting	40	E	NWPNET017	Supervise and report on conduit inspections	40

			-	NWPNET021	Install metering equipment	35
			-	NWPNET022	Maintain and repair network assets for drinking water	45
			-	NWPNET023	Maintain and repair network assets for wastewater	45
NWP244B	Maintain and repair bulkwater assets	30	E	NWPNET024	Maintain and repair network assets for bulkwater	30
NWP303A	Monitor and control maintenance of water and wastewater system assets	50	E	NWPNET025	Coordinate and manage maintenance and repair of network assets	50
			-	NWPNET026	Install, maintain and repair hydrants	20
			-	NWPNET027	Monitor and control vacuum sewer systems	45
NWP233B	Construct and install water distribution assets	30	E	NWPNET031	Construct and install water distribution assets	30
NWP250B	Construct and install wastewater pipelines	30	E	NWPNET032	Construct and install wastewater assets	30
			-	NWPNET033	Coordinate and monitor water asset construction	65
NWP527B	Conduct commissioning and post commissioning activities	120	E	NWPNET034	Conduct commissioning and post-commissioning activities	120
NWP310B	Monitor and operate water distribution systems	30	E	NWPNET041	Monitor and operate water distribution systems	30
NWP311B	Monitor and operate wastewater collection and transfer systems	30	E	NWPNET042	Monitor and operate wastewater collection and transfer systems	30
NWP258B	Monitor and operate bulkwater transfer systems	30	E	NWPNET043	Monitor and operate bulkwater transfer systems	30
NWP309B	Test and commission water distribution systems	40	E	NWPNET044	Test and commission water distribution systems	40
NWP308B	Test and commission wastewater collection systems	40	E	NWPNET045	Test and commission wastewater collection systems	40
			-	NWPSOU001	Respond to blue-green algae outbreaks	20
NWP227B	Control vegetation on a site	20	E	NWPSOU002	Control vegetation on a site	20
NWP365A	Identify and confirm blue green algae outbreaks	20	E	NWPSOU003	Identify and confirm blue-green algae outbreaks	20
NWP247A	Maintain catchment and surrounding areas	40	E	NWPSOU011	Maintain catchment and surrounding areas	40
NWP240B	Inspect and report catchment and surrounding areas	20	E	NWPSOU012	Monitor, inspect and report catchment operations	20
NWP323B	Monitor and coordinate catchment operations	30	E	NWPSOU013	Monitor and coordinate catchment operations	30
NWP416B	Coordinate and monitor water storage catchment activities	40	E	NWPSOU014	Develop and implement catchment operational plans	40
NWP241B	Inspect and maintain basic dams and water storages	30	E	NWPSOU021	Inspect and maintain basic dams and water storages	30
NWP319A	Monitor and control dam operations	50	E	NWPSOU022	Monitor and control dam operations	50
NWP320B	Monitor and implement dam maintenance	30	E	NWPSOU023	Monitor and implement dam maintenance	30

NWP327A	Inspect and report on concrete dam safety	30	E	NWPSOU024	Inspect and report on concrete dam safety	30
NWP328A	Inspect and report on embankment dam safety	30	E	NWPSOU025	Inspect and report on embankment dam safety	30
NWP511B	Manage dam safety surveillance	100	E	NWPSOU026	Implement dam safety plans	100
NWP318A	Monitor and operate gated spillways	50	E	NWPSOU027	Route floods through storages	50
			-	NWPSOU028	Prepare and report on data related to flood operations	70
NWP326A	Conduct and report dam safety instrumentation monitoring	30	E	NWPSOU029	Conduct and report dam safety instrumentation monitoring	30
			-	NWPSOU030	Inspect and report river performance	25
			-	NWPSOU031	Operate and maintain locks and weirs	45
			-	NWPSOU032	Operate and maintain fishways	45
			-	NWPSOU033	Operate and maintain salt interception works	35
NWP418B	Coordinate and monitor bulkwater system operations	40	E	NWPSOU041	Coordinate and monitor bulkwater system operations	40
			-	NWPSOU051	Monitor and operate groundwater extraction	35
NWP321B	Inspect and operate groundwater regulation	30	E	NWPSOU052	Inspect and operate groundwater regulation	30
NWP417B	Coordinate and monitor groundwater system usage	40	E	NWPSOU053	Coordinate and monitor groundwater system usage	40
NWP259B	Operate, monitor and maintain pump stations	30	E	NWPSOU054	Monitor and operate pump stations	30
NWP430A	Evaluate, implement and monitor standard low risk trade waste discharge approvals	60	E	NWPTRD001	Evaluate, implement and monitor standard low risk trade waste discharge approvals	60
NWP551A	Evaluate, implement and monitor high-risk trade waste discharge approvals	120	E	NWPTRD002	Evaluate, implement and monitor high risk trade waste discharge approvals	120
NWP315B	Investigate and report on breaches of water industry legislation	30	E	NWPTRD011	Investigate and report on breaches of water industry legislation	30
NWP431A	Investigate, rectify and report on trade waste incidents	70	E	NWPTRD012	Investigate, rectify and report on trade waste incidents	70
NWP528B	Implement and manage trade waste policies and plans	100	E	NWPTRD021	Implement and manage trade waste policies and plans	100
NWP529B	Develop and modify trade waste policies and plans	80	E	NWPTRD022	Develop and modify trade waste policies and plans	80
NWP429B	Coordinate, implement and report on trade waste monitoring procedures	40	E	NWPTRD023	Coordinate, implement and report on trade waste monitoring procedures	40
			-	NWPTRD024	Establish connections of water and wastewater systems	25
			-	NWPTRT001	Operate and control water treatment processes	45
NWP409A	Investigate and plan to optimise the operation of chemical addition processes	60	E	NWPTRT011	Assess and improve chemical dosing process	60

NWP276A	Monitor, operate and report fluoridation processes	20	E	NWPTRT012	Operate and control fluoride addition process	20
			-	NWPTRT013	Operate and control liquefied chlorine gas disinfection	35
			-	NWPTRT014	Operate and control iron and manganese removal processes	20
NWP347B	Monitor, operate and control coagulation and flocculation processes	40	E	NWPTRT015	Operate and control coagulation and flocculation processes	40
NWP348B	Monitor, operate and control sedimentation and clarification processes	30	E	NWPTRT031	Operate and control sedimentation and clarification processes	30
NWP408A	Investigate and plan the optimisation of sedimentation and clarification processes	60	E	NWPTRT032	Assess and improve sedimentation processes	60
			-	NWPTRT033	Operate and control DAF processes	25
			-	NWPTRT034	Operate and control activated carbon processes	20
NWP356B	Monitor, operate and control ion exchange processes	20	E	NWPTRT035	Operate and control ion exchange and softening processes	20
NWP354B	Monitor, operate and control granular media filtration processes	30	E	NWPTRT041	Operate and control granular media filters	30
NWP406A	Investigate and plan the optimisation of granular media filtration processes	60	E	NWPTRT042	Assess and improve granular media filters	60
NWP355B	Monitor, operate and control membrane filtration processes	20	E	NWPTRT043	Operate and control membrane filters	20
			-	NWPTRT044	Operate and control desalination processes	35
			-	NWPTRT045	Assess and improve desalination processes	35
			-	NWPTRT051	Assess and improve treatment for pathogen removal	35
NWP268B	Monitor, operate and report chlorine disinfection systems	40	E	NWPTRT052	Operate and control hypochlorite disinfection processes	40
NWP273A	Monitor, operate and report ultraviolet irradiation disinfection systems	20	E	NWPTRT053	Operate and control UV processes	20
NWP366A	Monitor, operate and control chloramination disinfection processes	40	E	NWPTRT054	Operate and control chloramination processes	40
NWP275A	Monitor, operate and report chlorine dioxide systems	30	E	NWPTRT055	Operate chlorine dioxide processes	30
NWP274A	Monitor, operate and report ozone treatment systems	30	E	NWPTRT056	Operate and control ozone processes	30
			-	NWPTRT061	Operate and control wastewater processes	45
NWP362B	Monitor, operate and control reclaimed water irrigation	30	E	NWPTRT062	Operate and control reclaimed water irrigation	30

NWP264B	Monitor, operate and report wastewater pre-treatment processes	20	E	NWPTRT071	Operate and control pre-treatment processes	20
			-	NWPTRT072	Operate and control odour removal processes	25
NWP271B	Monitor, operate and report sedimentation processes	20	E	NWPTRT073	Operate and control wastewater sedimentation processes	20
NWP351B	Monitor, operate and control activated sludge processes	40	E	NWPTRT081	Operate and control activated sludge processes	40
NWP359B	Monitor, operate and control nutrient removal processes	30	E	NWPTRT082	Operate and control nutrient removal processes	30
NWP350B	Monitor, operate and control trickling filter processes	20	E	NWPTRT083	Operate and control aerobic bioreactor processes	20
NWP412A	Investigate and plan the optimisation of activated sludge processes	60	E	NWPTRT084	Assess and improve activated sludge and nutrient removal processes	60
NWP414A	Select strategies to control microbial impact on wastewater treatment processes	40	E	NWPTRT085	Assess and improve wastewater processes to control microbial impacts	40
NWP360B	Monitor, operate and control dewatering processes	20	E	NWPTRT091	Operate and control solids handling processes	20
			-	NWPTRT092	Operate and control digestion processes	35
NWP413A	Investigate and plan the optimisation of anaerobic treatment processes	60	E	NWPTRT093	Assess and improve anaerobic digestion processes	60
NWP349B	Monitor, operate and control incineration processes	20	E	NWPTRT094	Operate and control incineration processes	20
			-	NWPTRT101	Operate and control lagoon processes	25

Traineeships

The following table provides a summary of the qualifications in the NWP National Water Training Package and the accredited traineeship courses they will replace.

National Code	National Title	Traineeship	Nominal Hours	E / NE *	National Code	National Title	Nominal Hours
NWP20107	Certificate II in Water Operations	TR01290: WATER OPERATIONS (LEVEL 2)	280			No replacement qualification.	
NWP30107	Certificate III in Water Operations	TR10130: WATER OPERATIONS (LEVEL 3)	340			No replacement qualification.	
NWP40107	Certificate IV in Water Operations	TR10140: WATER OPERATIONS (LEVEL 4)	360			No replacement qualification.	