

CABWI Level 2 Diploma in Water Operations

(Ofqual Ref: 603/6054/9)

Level	2	CABWI Qualification Ref	WO2
Credit Value	38	TQT	383

Qualification Summary

The CABWI Level 2 Diploma in Water Operations is designed to demonstrate the occupational competence of learners. This qualification can be used for the on-programme learning element of related apprenticeships. This qualification is designed to be flexible to the needs of the water industry and allows for Level two skills to be assessed either in individual areas or across the full scope of the services provided by the business.

The content, structure and assessment requirements of the qualification were developed by CABWI Awarding Body, in consultation with representatives of the water industry and its training and assessment providers.

Qualification Aim

The qualification covers the underpinning knowledge and practical skills required to work as an operative in the water industry and has 3 specific pathways relating to process operations (treatment), sewerage networks and network distribution and leakage as well as a more generic pathway for those undertaking training with water companies allowing placement in all areas of the business before a specific career path is identified.

There are no entry requirements for this qualification. However, as there is a requirement for learners to provide evidence from workplace activities, the learner must have access to the work environment and tasks that allow them to complete the qualification.

The process operations pathway can be used to assist with the on-programme learning element of the Water Process Operative apprenticeship standard.

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Assessment Methodology

Assessment for the CABWI Level 2 Diploma in Water Operations will be conducted using a portfolio of evidence.

Qualification Structure

To achieve a full CABWI Level 2 Diploma in Water Operations, a learner must complete one of the four pathways below.

All learners must complete the Mandatory Unit WPO100.

To complete pathway 1 – “Process Operations” learners must complete: a further three mandatory units, two units from option group 1 (O1) and three units from Option group 2 (O2).

To complete pathway 2 – “Sewerage Networks” learners must complete one further mandatory unit and six units from the optional group (O)

To complete pathway 3 – “Networks and Leakage” learners must complete one further mandatory unit and six units from the optional group (O)

To complete pathway 4 – “Generic” learners must complete one unit from optional group one (O1) and a further seven units from optional group two (O2)

The full list of units is shown in the table below which indicates the groups in which they sit for each of the four pathways.

Where required any unit listed in the table below may be taken as an additional unit on any pathway. These are not required for achievement of the qualification but may further support on-programme learning for apprentices or employer needs.

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CABWI Unit Ref	Unit Title	PATHWAY 1 – PROCESS OPERATIONS	PATHWAY 2 – SEWERAGE NETWORKS	PATHWAY 3 – NETWORKS AND LEAKAGE	PATHWAY 4 – GENERIC
WPO100	Develop productive working relationships (F/618/2568)	M	M	M	M
WPO101	Maintain a safe working environment working with treatment processes (J/618/2569)	M			O1
QHS01	Ensure your own actions reduce risks to health and safety in the water industry (L/502/9021)		M	M	O1
WPO102	Operate treatment processes (A/618/2567)	M			O2
WPO106	Carry out on-site sampling and testing to maintain the quality of treatment processes and final product (H/618/2577)	M			O2
WPO103	Receive, store and handle processing chemicals, reagents and other consumables (D/618/2576)	O1			O2
WPO104	Handle and store sludge for processing (F/618/2571)	O1			O2
WPO105	Carry out first line maintenance on processing plant and equipment (Y/618/2575)	O1			O2
WPO107	Operate waste water treatment processes: preliminary treatment (K/618/2578)	O2			O2
WPO108	Operate waste water treatment processes: primary sedimentation (M/618/2579)	O2			O2
WPO109	Operate odour treatment processes (J/618/2572)	O2			O2
WPO110	Operate waste water treatment processes: biological percolating filters (H/618/2580)	O2			O2
WPO111	Operate waste water treatment processes: aerated biological filters (K/618/2581)	O2			O2
WPO112	Operate waste water treatment processes: activated sludge (M/618/2582)	O2			O2
WPO113	Operate waste water treatment processes: rotating biological contactors (RBCs) (T/618/2583)	O2			O2
WPO114	Operate waste water treatment processes: tertiary treatment (A/618/2584)	O2			O2

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WPO115	Operate waste water treatment processes: biological nutrient removal (F/618/2585)	02			02
WPO116	Operate sludge treatment processes: mechanical sludge dewatering and thickening (J/618/2586)	02			02
WPO117	Operate sludge treatment processes: digestion (L/618/2587)	02			02
WPO118	Operate sludge treatment processes: lime stabilisation (R/618/2588)	02			02
WPO119	Operate sludge treatment processes: pasteurisation (Y/618/2589)	02			02
WPO120	Operate sludge treatment processes: sludge drying (Y/618/2592)	02			02
WPO121	Operate water treatment processes: abstraction, raw water management and pre-treatment (A/618/2570)	02			02
WPO122	Operate water treatment processes: disinfection (H/618/2594)	02			02
WPO123	Operate water treatment processes: clarification (K/618/2595)	02			02
WPO124	Operate water treatment processes: filtration (M/618/2596)	02			02
WPO125	Operate water treatment processes: biological filtration (slow sand filtration) (F/618/2599)	02			02
WPO126	Operate water treatment processes: ozone (F/618/2604)	02			02
WPO127	Operate water treatment processes: membranes (R/618/2607)	02			02
WPO128	Operate water treatment processes: selective ion exchange (D/618/2609)	02			02
WPO129	Operate water treatment processes: adsorption (R/618/2610)	02			02
WPO130	Operate water treatment processes: controlling infestation (Y/618/2611)	02			02

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WPO131	Operate water treatment processes: control of supply to distribution, including storage points and pumping (D/618/2612)	02			02
WPO133	Operate water treatment processes: chemical dosing and control (L/618/2573)	02			02
WPO132	Operate treatment processes: UV disinfection (D/618/2593)	02			02
2503	Operation and Maintenance of Sewage Pumping Stations (R/617/6483)		0		02
2504	First Line maintenance of sewage pumping station plant and equipment (K/617/6487)		0		02
CS84	Setting up and preparing water jetting equipment in the workplace (A/600/7588)		0		02
DC02	Address and resolve customer water distribution related queries (F/502/9582)			0	02
DC03	Carry out valve operations on the water distribution network (J/502/9583)			0	02
DC04	Determine the exact location of water loss using acoustic listening techniques (L/502/9584)			0	02
DC05	Cleanse water mains (R/502/9585)			0	02
DC07	Carry out sampling operations: bacteriological, chemical spot and flush (D/502/9587)			0	02
DC08	Measure system performance using flow and pressure equipment (H/502/9588)			0	02
DC09	Provide and maintain emergency water supplies (K/502/9589)			0	02
ICSC1	Recognise and deal with customer queries requests and problems (M/601/1508)			0	02
MUNC04	Install equipment for safe working on the highway for utilities network construction (A/503/0682)		0	0	02
MUNC05	Install equipment for safe working on site for utilities network construction (F/503/0683)		0		02

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MUNC06	Locate and avoid supply apparatus for utilities network construction (J/503/0684)		○		○2
QLDC202	Assess the configuration of the metered area on the water supply network (Y/502/9023)			○	○2
QLDC203	Trace the route of water pipes and locate surface fittings (D/502/9024)			○	○2
QLDC209	Determine the location of water loss (R/502/9022)			○	○2
QSM2	Communicate information for sewerage maintenance operations (T/502/9109)		○		○2
QSM3	Monitor asset using CCTV equipment (K/502/9110)		○		○2
SDO01	Sewerage and drainage essential knowledge (D/505/6501)		○		○2
SDO02	Deliver customer service for sewerage maintenance operations (H/505/6502)		○		○2
SDO03	Removing materials or deposits from sewers or drains by water jetting (M/505/6504)		○		○2
SDO04	Inspect asset using CCTV equipment (T/505/6505)		○		○2
SDO05	Carry out inspection and maintenance of sewers and ancillaries (A/505/6506)		○		○2
SDO06	Restore sewers and ancillaries to a working condition (F/505/6507)		○		○2