

WSQ Courses for Industry (March – August 2020)

S/N	Course Title	Course Dates	Course Synopsis	Course Fees (exclude GST)
WSQ Level 2				
1.	Operate Rain Water Storage Facilities	<ul style="list-style-type: none"> T: 7-9 Apr, A: 14 Apr T: 12-14 May, A: 19 May T: 1-3 Jul, A: 8 Jul 	This training unit provides participants the knowledge and application in rainwater storage facilities, in particular, operation of tide gates, pumps and control valves.	\$ 874
2.	Perform Water Quality Monitoring in Reservoirs and Waterways	<ul style="list-style-type: none"> T:13-14 Apr, 21-22 Apr T: 16-17 Sep, A: 28-29 Sep 	This training unit provides participants the knowledge and application in performing water quality monitoring in reservoirs and waterways. It involves conducting on-site measurements, water sample collection, obtaining water quality data and interpretation of analytical results and reporting of findings.	\$ 874
3.	Supervise Operations of Water Treatment Processes in Water Treatment Plant	<ul style="list-style-type: none"> T: 31 Mar - 2 Apr, A: 7 Apr T: 20- 22 May, A: 28 May T: 1-3 Jul, A: 8 Jul 	This training unit provides participants to have the knowledge and skills in carrying out planning of work activities to achieve the required treatment rate basing on the system control requirements and coordinate with relevant party to ensure the availability of plant. In addition, be able to monitor the performance of the processes and taking timely action to resolve any process deviations and issues arise and complete the documentation of the work done.	\$ 1,328
4.	Maintain Mechanical, Electrical and Instrumentation Equipment in Water Treatment Plant	<ul style="list-style-type: none"> T: 24-26 Mar, A: 31 Mar T:15-17 Sep, A: 22 Sep 	This training unit provides participants with the knowledge and skills in operating and performing preventive maintenance of mechanical and electrical equipment in conventional water treatment plant. It includes verifying the preventive maintenance schedule, coordination of maintenance works, follow-up on maintenance work done as well as take corrective actions against problems encountered during maintenance works in accordance with standard operating procedures.	\$610

5.	Supervise Operations of NEWater and Seawater Desalination Plant	<ul style="list-style-type: none"> T: 26-28 May, A: 2 Jun 	This unit provides learners with knowledge and skills necessary to supervise and carry out operations of NEWater and Seawater Desalination Plants. It involves planning work activities for continuous operation, identifying deviations of treatment processes from operation limits, taking corrective measures against the identified deviations to restore the performance of treatment processes and documenting work done in accordance with organisation procedures.	\$980
6.	Monitor and Control Liquid Stream Facility in Used Water Treatment Plant	<ul style="list-style-type: none"> T: 13-16 Apr, A: 20-21 Apr T: 29 Jun - 2Jul, A: 8-9 Jul T: 22-25 Sep, A: 29-30 Sep 	This unit provides the skills and knowledge in the monitoring and controlling liquid stream facility in used water treatment plant. It involves monitoring used water parameters, operate and control sedimentation, activated sludge and nitrogen removal processes. It also covers the adjustment of process or equipment to achieve the required treatment standard.	\$ 973
7.	Monitor and Control Solid Stream Facility in Used Water Treatment Plant	<ul style="list-style-type: none"> T:4-6 May , A: 11-12 May 	The purpose of this competency unit is to enable learners to have the knowledge and skills in monitoring and controlling solid stream facility in used water treatment plant. It involves monitoring used water parameters, operate and control anaerobic digestion process, thickening, dewatering and odour control system.	\$ 973
8.	Supervise Water Trunk Pipeline Construction	<ul style="list-style-type: none"> T: 24-26 Mar, A: 31 Mar 	This unit provides learners with knowledge and skills necessary to ensure that the trunk water pipeline (700mm diameter and above) are laid in a safe and timely manner in accordance with organisational and statutory requirements.	\$1,171.00
9.	Supervise Water Distribution Pipeline Works	<ul style="list-style-type: none"> T: 21-22 Apr, A: 28 Apr 	This training unit provides participants with knowledge and skills to supervise the water distribution pipeline works and process submission of internal water reticulation system for developments in accordance with organisational, statutory requirements and Code of Practice.	\$358.00
10.	Operate Water Supply Network	<ul style="list-style-type: none"> T: 14-15 Apr, A: 20 Apr T: 21-22 Jul, A: 28 Jul 	This training unit provides participants with the knowledge and skills necessary in operating water transmission and distribution network which	\$568.00

			include monitoring water quality and ensuring adequate outputs from water treatment plants are delivered to customers to meet the organisational and statutory requirements.	
11.	Perform Site Inspection and Investigation on Water Supply Network	<ul style="list-style-type: none"> • T: 24-26 Mar, A: 31 Mar • T: 20-22 May, A: 28 May • T: 1-3 Jul, A: 9 Jul 	This training unit provides participants with knowledge and skills to perform effectively the works in the repair, customer management and support groups during leak incident as well as to locate identify and report leaks in water distribution network according to legislative and organizational requirements.	\$1,708.00
12.	Perform Water Storage System Inspection and Maintenance	<ul style="list-style-type: none"> • T: 10-11 Mar, A: 17 Mar 	This training unit provides participants with the knowledge and skills necessary in operating water transmission and distribution network which include monitoring water quality and ensuring adequate outputs from water treatment plants are delivered to customers to meet the organisational and statutory requirements.	\$566.00
13.	Implement Water Metering Work	<ul style="list-style-type: none"> • T & A: 2-3 Apr 	This training unit provides participants with knowledge and skills to implement water metering work. This unit would provide the requirements, procedures, identification of compliance and/or non-compliance according to organisational requirements to turn on and cut off water supply, bulk installation and replacement of meters, handling customers' accounts arrears and performing concession cases. This unit also introduces use of billing system for status update as well as prepare and serving notice letters to ensure the iterative process of water metering work is sustained.	\$363.00
14.	Implement Water Efficiency Practices	<ul style="list-style-type: none"> • T & A: 2-3 Apr 	This training unit provides participants with knowledge and skills to implement water efficiency practices to ensure efficient water use in accordance with organizational and statutory requirements. This unit would apply the available tools to plan and conduct water efficient building audit, including investigation of water wastages, in both domestic and non-	\$762.00

			domestic sector. This unit also reviews key components in Water Efficiency Management Plan as well as types of funding (Water Efficiency Fund) available for large water users in non-domestic sector.	
15.	Operate a High Pressure Water Jetting System to Clean Pipelines and Appurtenances	<ul style="list-style-type: none"> • T & A: 6 Apr • T & A: 18 May • T & A: 4 Jul 	On completion of this unit, learners will acquire the knowledge and skills to operate a high-pressure water jetting system, which may be used to clean sewer and manhole.	\$460.00
16.	Perform Hydrostatic Leak Detection for Sewers	<ul style="list-style-type: none"> • T & A: 30 Mar 	On completion of this unit, learners will acquire the knowledge and skills to plan and implement hydrostatic leak detection activities according to organisational and statutory requirements.	\$330.00
17.	Manage Operations of Water Supply Network	<ul style="list-style-type: none"> • E: 10-11 Apr, T: 12-14 May, A: 20 May 	This unit equips learners with knowledge and skills in manage operation of water supply network to achieve continuous supply of water to customers. It involves developing a load dispatch plan, planning of water supply operations and its impacts. It also involves analysing network sensors data and recommending mitigation measures during crisis.	\$ 1,925.00
18.	Manage Water Demand for Water Efficiency	<ul style="list-style-type: none"> • E: 23 Mar-22 Apr, T: 23-24 Apr, A: 30 Apr 	On completion of this unit, learners will have knowledge and skills in managing water demand to achieve water efficiency. It involves identifying areas for reducing water loss and planning various water demand management programmes to improve on performance.	\$ 1,740.00
WSQ Level 4				
19.	Manage Stormwater Drainage System	<ul style="list-style-type: none"> • E: 16 Mar-15 Apr, T: 16-17 Apr, A: 27 Apr • E: 23 Jun – 22 Jul, T: 23-24 Jul, A: 28 Jul 	This unit provides learners with knowledge and skills necessary to manage stormwater drainage system to ensure it is functional and in accordance with Code of Practice on Surface Water Drainage and Regulations. It includes planning the drainage maintenance activities, coordinating with managing agents and partners and monitoring the maintenance works progress. In addition, applying organisational procedures to deal with deviations or abnormalities, and reviewing the effectiveness of the drainage operations and maintenance works done.	\$ 1,950

20.	Manage Impounding Reservoirs	<ul style="list-style-type: none"> E: 10 Jul - 10 Aug, T: 11-12 Aug, A: 19 Aug 	This unit provides learners with the knowledge and skills necessary to manage impounding reservoirs. It involves implementing the planned reservoirs operations and maintenance regimes, as well as managing incidents arise in reservoirs so as to safeguard water quality, and optimise water stocks for reliability of supply.	\$ 1,950
21.	Manage Plant Equipment in Water Collection Facilities	<ul style="list-style-type: none"> E: 13 Apr – 11 May, T: 12-13 May, A: 19 May 	This unit provides learners with knowledge and skills necessary to manage plant equipment covering mechanical, electrical and instrumentation in water collection facilities to ensure the plant equipment perform reliably and efficiently to achieve the operational objectives. It entails reviewing the performance of mechanical, electrical and instrumentation equipment, planning and coordinating the maintenance activities required, evaluating the health status of the equipment serviced as well as proposing enhancement to the performance of the equipment.	\$2,020
22.	Manage Energy Efficiency of Used Water Treatment Plant	<ul style="list-style-type: none"> E: 18 Mar-17 Apr, T: 20-22 Apr, A: 27-29 Apr 	This training unit provides participants with the knowledge and skills necessary to analyse existing plant energy consumption, assess energy improvement plan, plan and recommend operational changes for a Used Water Treatment Plant, based on proposed energy improvement programme.	\$1,870

T = Training, A = Assessment, E = E-learning