

SAQA QUALIFICATION ID: 61709

**TITLE: FURTHER EDUCATION AND TRAINING CERTIFICATE: WATER AND WASTEWATER
TREATMENT PROCESS CONTROL SUPERVISION**

NQF LEVEL 4

SAQA ID	UNIT STANDARD DESCRIPTION
254121	Demonstrate knowledge of the characteristics of water flow
255981	Demonstrate knowledge of the principles of water hydraulics
13945	Describe and apply the management of stock and fixed assets in a business unit
242810	Manage Expenditure against a budget
255976	Supervise and optimise the operation of separation processes
254099	Supervise personal safety practices in the workplace
255983	Supervise the operation of mechanical, electrical, pneumatic and hydraulic control systems
10981	Supervise work unit to achieve work unit objectives (individuals and teams)
255978	Take non-routine investigative samples for monitoring process in water and wastewater works
255979	Thicken and dewater sludge
255987	Demonstrate knowledge of water related legislation and the responsibilities of management in terms of the acts
14609	Participate in management of conflict
255975	Supervise the various disinfection and oxidation processes
119472	Accommodate audience and context needs in oral/signed communication
119457	Interpret and use information from texts
119467	Use language and communication in occupational learning programmes
119465	Write/present/sign texts for a range of communicative contexts
9015	Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems
119462	Engage in sustained oral/signed communication and evaluate spoken/signed texts

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SAQA ID	UNIT STANDARD DESCRIPTION
119469	Read/view, analyse and respond to a variety of texts
9016	Represent analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts
119471	Use language and communication in occupational learning programmes
7468	Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues
119459	Write/present/sign for a wide range of contexts
255985	Operate an anaerobic wastewater sludge digester
255982	Control water abstraction structures
255986	Demonstrate knowledge of advanced treatment of wastewater process
255977	Demonstrate knowledge of the principles and application of potable water science
254115	Demonstrate sound environmental practices in wastewater operations
14417	Lead and supervise construction teams
255984	Operate and control activated sludge process
255980	Operate electronic equipment for water and wastewater process control
14426	Read, interpret and use construction drawings and specifications
254118	Apply water loss control principles
7818	Conduct on-the-job coaching
117003	Demonstrate understanding of sections of the occupational health and safety act (act 85 of 1993) applicable to the water sector