

SAQA QUALIFICATION ID: 60190

TITLE: NATIONAL CERTIFICATE: WATER AND WASTEWATER PROCESS CONTROL

NQF LEVEL 3

SAQA ID	UNIT STANDARD DESCRIPTION
7812	Perform basic calculations
9882	Read and interpret basic engineering drawings
113877	Understand fundamentals of electricity
242870	Apply public sector policies and procedures to achieve administration objectives
9532	Demonstrate basic knowledge of computers
254103	Demonstrate knowledge of different methods of achieving disinfection in a water and wastewater effluent environment
254114	Demonstrate knowledge of quality and its management in water and wastewater context
254125	Demonstrate knowledge of sampling procedures for water and wastewater treatment tests
254123	Demonstrate knowledge of SI measurement units used in water and wastewater treatment
254097	Measure and interpret chlorine dosage
254117	Operate a membrane process
246446	Operate a rapid gravity filtration process
255474	Operate mechanical and electrical plant and equipment in a water and wastewater environment
12058	Demonstrate knowledge and operation of mechanical and electrical systems
119472	Accommodate audience and context needs in oral/signed communication
9010	Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations
9013	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts

SAQA QUALIFICATION ID: 60190

TITLE: NATIONAL CERTIFICATE: WATER AND WASTEWATER PROCESS CONTROL

NQF LEVEL 3

SAQA ID	UNIT STANDARD DESCRIPTION
119457	Interpret and use information from texts
9012	Investigate life and work related problems using data and probabilities
119467	Use language and communication in occupational learning programmes
7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues
119465	Write/present/sign texts for a range of communicative contexts
246445	Operate a biological trickling filter
12048	Operate rotating biodisc contactor
116534	Carry out basic first aid treatment in the workplace
254116	Demonstrate knowledge of activated sludge processes in wastewater treatment
254101	Demonstrate knowledge of oxidation pond and maturation ponds processes in wastewater treatment.
116942	Use a GUI-based word processor to create merged documents
119078	Use a GUI-based word processor to enhance a document through the use of tables and columns
119676	Apply the skills of customer care in a specific work environment
254134	Control composting process