

SAQA QUALIFICATION ID: 58951

TITLE: NATIONAL CERTIFICATE: WATER AND WASTEWATER TREATMENT PROCESS OPERATIONS

NQF LEVEL 2

SAQA ID	UNIT STANDARD DESCRIPTION
246472	Handle and dispose of water and wastewater sludge
244061	Interpret material safety data sheets (MSDS) in order to address chemical safety in the workplace
246443	Operate a sand filter
246459	Apply personal safety practices in the water sector
246464	Conduct sampling for water and wastewater treatment processes
246461	Conduct water treatment process control tests
8494	Demonstrate an understanding of HIV/AIDS and its implications
246471	Demonstrate knowledge and understanding of plant equipment
246473	Demonstrate knowledge of elementary biology in the water wastewater environment
246463	Demonstrate knowledge of water cycle, water and wastewater systems and processes
13220	Keep the work area safe and productive
246442	Operate pumps
246535	Operate the chlorine dosing process
246466	Operate water and wastewater chemical dosage systems
119463	Access and use information from texts
9009	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems
7480	Demonstrate understanding of rational and irrational numbers and number systems
9008	Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts
119455	Respond to selected literary texts

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SAQA ID	UNIT STANDARD DESCRIPTION
119460	Use language and communication in occupational learning programmes
7469	Use mathematics to investigate and monitor the financial aspects of personal and community life
9007	Work with a range of patterns and functions and solve problems
119456	Write/present for a defined context
116932	Operate a personal computer system
246460	Demonstrate basic knowledge of the wastewater treatment process
246450	Demonstrate knowledge of the water treatment process
246469	Operate primary settling processes in wastewater treatment