

No. 1285

5 December 2008

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with Regulation 24(c) of the National Standards Bodies Regulations of 28 March 1998, the Standards Generating Body (SGB) for

**Water Sector**

registered by Organising Field 12 – Physical Planning and Construction, publishes the following Qualification and Unit Standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the Qualification and Unit Standards. The full Qualification and Unit Standards can be accessed via the SAQA web-site at [www.saga.org.za](http://www.saga.org.za). Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Qualification and Unit Standards should reach SAQA at the address below and **no later than 5 January 2009**. All correspondence should be marked **Standards Setting – SGB for Water Sector** and addressed to

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ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**QUALIFICATION:****National Certificate: Community Water, Health and Sanitation Monitoring**

SAQA QUAL ID		QUALIFICATION TITLE	
64589		National Certificate: Community Water, Health and Sanitation Monitoring	
ORIGINATOR		PROVIDER	
SGB Water Sector			
QUALIFICATION TYPE	FIELD	SUBFIELD	
National Certificate	12 - Physical Planning and Construction	Civil Engineering Construction	
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUAL CLASS
Undefined	130	Level 3	Regular-Unit Stds Based

***This qualification does not replace any other qualification and is not replaced by another qualification.***

**PURPOSE AND RATIONALE OF THE QUALIFICATION****Purpose:**

This qualification has been developed to provide the necessary competencies in the field of community and environmental health and sanitation which will contribute towards improved practices within communities and their environment as well eradicating the backlogs and future needs in the sector.

Qualifying learners will be able to:

- > Conduct quality control in accordance with all aspects of applicable procedures and regulations.
- > Identify and make recommendations for appropriate interventions.
- > Communicate effectively.
- > Ensure policy compliance with regard to principles of Water, Health and Hygiene.
- > Monitor the Operation and Maintenance activities of sanitation services.
- > Supervise teams in the workplace.

Learners who have achieved this qualification will be able to access further learning opportunities and enhance their prospects for sustainable employment within the water and sanitation sector.

For new entrants, this qualification describes the learning outcomes required to participate effectively in a structured work environment within the water and sanitation sector. Employers will be able to use this qualification as the source for addressing skills needs and appropriate training interventions. Providers of education and training will be able to use this qualification for the design and development of appropriate outcomes based learning materials, assessment guides and related assessment tools.

**Rationale:**

This qualification reflects the workplace-based need for monitors to oversee the implementation of community water, health and sanitation projects to address massive backlogs, especially in the rural and remote communities.

This qualification represents a planned combination of learning outcomes with a defined purpose in that it consists of the essential embedded knowledge and applied competence required from those learners who seek to engage in a career within the water and sanitation sector.

This qualification forms the foundation for advancement to the Further Education and Training Certificate: Community, Water, Health and Sanitation Facilitation NQF Level 4 and will also lay the foundation for future career advancement to other related qualifications within the sector.

Learners will have the capacity to advance, gain skills and build self-esteem as the qualified learners will be able to competently monitor community water, health and sanitation programmes in a professional manner, ensuring that community needs are met and the environment is sustained.

### **RECOGNIZE PREVIOUS LEARNING?**

Y

### **LEARNING ASSUMED IN PLACE**

It is assumed that the learner is already competent in the following:

- > Communication at NQF Level 2 or equivalent.
- > Mathematical Literacy at NQF Level 2 or equivalent.
- > National Certificate: Community Water, Sanitation and Health Promotion at NQF Level 2 or equivalent.

### **Recognition of Prior Learning:**

This qualification may be achieved in part or completely through the recognition of prior learning, which includes informal, formal and non-formal learning and work experience. Any learner wishing to be directly assessed may arrange to do so, without attending further training or education. The assessor and learner will decide together on the most appropriate assessment route to be taken.

Evidence can be presented in a variety of forms, including international or previous local qualifications, reports, testimonials mentioning functions performed, work records, portfolios, videos of practice and performance records.

All such evidence should be judged according to the general principles of assessment described in the note to assessors below.

### **Access to the Qualification:**

Access to this qualification is open to all bearing in mind "Learning assumed to be in place".

### **QUALIFICATION RULES**

The qualification consists of a Fundamental, Core and an Elective Component.

To be awarded the qualification, a learner is required to obtain a minimum of 130 credits as detailed below.

### **Fundamental:**

All Fundamental unit standards are compulsory (36 Credits):

- > Communication: 20 credits.

> Mathematical Literacy: 16 credits.

Core:

All Core unit standards are compulsory (56 Credits).

Electives:

> The Elective Component consists of two areas of specialisation (Clusters), each with its own set of unit standards.

> Learners should select unit standards to a minimum value of 38 credits from one of the following clusters:

General Cluster:

- > ID 12344: Demonstrate knowledge of gender and equity in sustainability of water and sanitation related projects, Level 4, 4 credits.
- > ID 242860: Apply the Batho Pele principles to own work role and context, Level 3, 4 credits.
- > ID 242890: Display an understanding of core municipal processes and Ward Committee participation in these processes, Level 3, 10 credits.
- > ID 9530: Manage work time effectively, Level 3, 3 credits.
- > ID 14050: Care for customers in a community environment, Level 3, 5 credits.
- > ID 11982: Collect data for environmental management purposes, Level 3, 8 credits.
- > ID 119829: Use appropriate environmental management tools and protocols to detect and respond to specific impacts, Level 3, 10 credits.
- > ID 9532: Demonstrate basic knowledge of computers, Level 3, 6 credits.
- > ID 114977: Use a spreadsheet package to produce and manage business documents, Level 3, 3 credits.
- > ID 114978: Use a word processing package to produce business documents, Level 3, 3 credits.

Subtotal: 56 credits.

Community Sanitation Building:

- > ID 11782: Perform basic building works, Level 3, 8 credits.
- > ID 14888: Construct on-site sanitation facilities, Level 2, 2 credits.
- > ID 15159: Use labour intensive construction methods to construct and maintain water and sanitation services, Level 4, 8 credits.
- > ID 14580: Read and interpret construction drawings and specifications, Level 3, 10 credits.
- > ID 119526: Implement safety procedures for open hole or deep excavations: Level 3, 4 credits.
- > ID 11781: Plan and prepare to perform plumbing works, Level 3, 8 credits.
- > ID 11780: Understand and apply basic plumbing principles, Level 3, 8 credits.
- > ID 14425: Perform site administration functions, Level 4, 10 credits.

Subtotal: 58 credits.

#### **EXIT LEVEL OUTCOMES**

On achieving this qualification the qualifying learner will be able to:

1. Demonstrate an understanding of applicable legislation and how it relates to the health and sanitation plan with specific reference to monitoring and supervisory functions.
2. Implement, monitor and maintain sanitation systems.

3. Supervise and monitor the implementation of the community sanitation, health and hygiene plan.

4. Demonstrate communication, negotiation and supervisory skills.

5. Demonstrate an understanding of the entrepreneurial environment.

Critical Cross Field Outcomes (CCFO's):

This qualification promotes, in particular, the following critical cross field outcomes:

- > Identifying and solving problems in which responses display that responsible decisions using critical and creative thinking have been made when:
  - > Implementing community health and sanitation plans.
  - > Identifying and selecting different sanitation technological options in addressing community needs.
  - > Identifying deviations and implementing corrective actions in monitoring water and sanitation projects.
- > Working effectively with others as either a leader or member of a team, group, organisation or community during the implementation and monitoring of water and sanitation projects within communities.
- > Organising and managing oneself and one's activities responsibly and effectively when implementing and supervising health and sanitation plans within communities.
- > Collecting, analysing, organising and critically evaluating information in order to ensure a clear understanding of community water, health and sanitation needs and priorities by:
  - > Implementing and monitoring health and sanitation projects.
  - > Initiating corrective actions should there be deviations from standard requirements.
- > Communicating effectively using visual, mathematical and/or language in the modes of oral and/or written persuasion when:
  - > Reporting to communities, stakeholders and the employer about implementation and progress on water, health and sanitation projects.
  - > Issuing instructions and receiving feedback from team members.
- > Using science and technology effectively and critically, showing responsibility to the environment and health of others when selecting, applying and monitoring different sanitation technological options for community water, health and sanitation interventions.
- > Demonstrating an understanding of the world as a set of interrelated systems by recognising that health, sanitation and environmental problem-solving contexts do not exist in isolation and that human behavior will impact on the functioning thereof when implementing health and sanitation plans.

#### **ASSOCIATED ASSESSMENT CRITERIA**

Assessment Criteria for Exit Level Outcome 1:

- > Relevant legislation is identified, and interpreted according to local community and environmental needs related to the implementation and monitoring of a health and sanitation plan.
- > The application of workplace and environmental safety procedures in community, water, health and sanitation is supervised according to relevant legislation.

Range Statement: Relevant legislation includes:

- > National Sanitation Policy - October 1996.

- > Strategic Framework for Water Services.
- > Occupational Health and Safety Act 85 of 1993.
- > National Water Act No 36 of 1998.
- > Water Services Act 108 of 1997.

Assessment Criteria for Exit Level Outcome 2:

- > The different sanitation technological options available are described in terms of their application in community related projects.
- > Different sanitation systems are monitored for practical functionality in accordance with relevant legislation to ensure ongoing suitability to the community.
- > Different sanitation systems are maintained according to manufacturer specifications.

Assessment Criteria for Exit Level Outcome 3:

- > Basic supervisory functions are demonstrated in the implementation of a community water, health and sanitation project.
- > Quality management procedures are implemented in a community water, health and sanitation project.

Assessment Criteria for Exit Level Outcome 4:

- > Verbal and written communication skills are used to interact in a meaningful way with work colleagues and the community in the water and sanitation environment.
- > The health and sanitation plan is implemented using a variety of communication and negotiation skills to supervise and monitor the project.
- > A variety of communication tools are used to transfer knowledge and skills on technological, operational and maintenance options to work colleagues and the communities in the water and sanitation environment.

Assessment Criteria for Exit Level Outcome 5:

- > Entrepreneurial opportunities within the health and sanitation environment are identified in terms of an alternative means of making a living in order to expedite mitigation of backlogs, improve skills and create employment.
- > Attributes of a successful entrepreneur in a water and sanitation environment are described in terms of characteristics, aptitudes and competencies required in the individual's own context.

Integrated Assessment:

For awarding of the qualification, a candidate must achieve each unit standard as per the rules of combination of this qualification.

The assessment criteria in the unit standards are performance-based (applied competence as opposed to required knowledge only). This means that workplace experience may be recognized when awarding credits towards this qualification.

The candidate must demonstrate the ability to effectively engage in operations selected in an integrative way, dealing with divergent and "random" demands related to the work operations.

**INTERNATIONAL COMPARABILITY**

The uniqueness of the South African context is characterized by mostly rural and in most cases third world conditions where very specific skills are required to implement sanitation projects in areas with no running water.

To address the requirements of a typical sanitation project in a rural community, the role of a monitor within the social context of the qualification, must be complemented with the unique trade of a Sanitation Builder, responsible on a large scale to roll out the massive backlogs of VIP/UD toilets in very rural and remote areas.

As a result the qualification mix of combining social and technical skills as it applies to community water, health and sanitation into one qualification, presents challenges with benchmarking within the continent as well as internationally. No wholly comparative qualifications therefor were found to be comparative with a qualification at this level. Part comparability was therefore researched and as such, courses mentioned in this report are comparative to exit level outcomes or relevant unit standards.

Qualifications and skills programmes from the following countries were examined and benchmarked:

- > Kenya (NETWAS).
- > Uganda (NETWAS).
- > Zimbabwe (ISWD).
- > Centro de Formação Profissional de Águas e Saneamento (CFPAS) - Mozambique.
- > UNESCO-IHE Institute for Water Education - Netherlands.
- > International Water and Sanitation Center (IRC) - Netherlands.
- > The Water Supply and Sanitation Collaborative Council (WSSCC) - Switzerland.
- > United Kingdom (WEDC).
- > Australia (RedR).
- > Streams of Knowledge (SOK).

Below are some of the courses which could in part be comparative to this qualification.

NETWAS - Kenya, Uganda, Tanzania:

NETWAS International was established in 1986 in Kenya as a regional water and sanitation center for Eastern Africa. It is part of the global International Training Network for Water and Waste Management, also known as the ITN. ITN is a program that was established through the initiative of the UNDP-World Bank as a contribution to the International Drinking Water and Sanitation Decade of the 1980s. This Program's mandate was to establish several regional centers in Africa, Asia and Latin America to support capacity building activities including information dissemination. There are currently a number of active centers in Asia (Philippines, India and Bangladesh) and a strong ITN Africa network.

NETWAS collaborates with a number of international organizations such as IRC International Water and Sanitation Centre, Water and Sanitation Program (Africa) of the UNDP-World Bank, SANDEC Department for Water and Sanitation in Developing Countries at the Swiss Federal Institute for Environmental Science and Technology, SKAT Swiss Centre for Development Cooperation in Technology and Management, and SDC Swiss Agency for Development and Cooperation. NETWAS International is a founder member of the ITN Africa Network and the Streams of Knowledge.

Training programmes are divided into two broad categories: Scheduled Courses and Onsite Customized Courses. The scheduled courses are offered at predetermined times during the year. The onsite customized courses are offered on request to a particular client anywhere in Africa.

International Training Programme (ITP) courses offered include:

- > Monitoring for effectiveness: Improving community based water supply and sanitation projects.
- > Hygiene Education and Promotion: Planning and management for behavioural change.

- > Solid waste management.
- > Management for sustainability in water supply and sanitation programmes.
- > Gender issues in water supply and environmental sanitation.
- > Private sector involvement in WES.
- > Community management.

#### Institute of Water and Sanitation Development (IWSD) - Zimbabwe:

The Institute for Water and Sanitation Development is located in Harare, Zimbabwe. The Institute aims to assist in the achievement of sustainable development of water resources and waste management through the provision of support to development agencies in Zimbabwe and the Southern Africa region through training, research, advisory services and information dissemination.

IWSD offers the following diploma and certificate courses:

- > Post Graduate Diploma in Water Supplies and Sanitation.
- > National Diploma in Water and Waste Management.
- > National Certificate in Water and Waste Management.

Variety of Short Courses covering some of the following areas:

- > Planning and Management.
- > Monitoring and Evaluation.
- > Community Participation and gender issues.
- > Participatory methodologies.
- > Integrated Water Resource Management.
- > HIV and Aids and Hygiene related issues.
- > Waste Management.

#### Centro de Formação Profissional de Águas e Saneamento (CFPAS) - Mozambique:

CFPAS is a vocational training centre for water and sanitation. Its mission is to offer educational services, training and up-grading to professionals of the water and sanitation and related sectors in Mozambique. Water and sanitation sector staff of other Portuguese Speaking Countries of Africa - the PALOPs - also benefit from the services offered by CFPAS.

#### UNESCO-IHE Institute for Water Education - Netherlands:

One of the number of short courses offered are:

##### Course: Decentralized Water Supply & Sanitation:

This course provides theoretical background and practical expertise in the field of low-cost decentralised water supply and sanitation alternatives specifically suitable for the small towns, peri-urban areas and urban slums, small island communities, tourist resorts etc.

The course covers the following subjects:

- > Introduction: Module objectives and contents (General introduction to water supply and sanitation situations in small town, peri-urban areas and urban slums etc.).
- > Water Supply Systems: Water sources, supply systems, source selection, water supply service levels, spring catchments and sand dams, wells and pumps, rainwater harvesting, small-scale water treatment methods.
- > Sanitation Systems: Ecological sanitation (introduction to ecosan, basics of conventional wastewater treatment, relevant treatment technologies, ecosan and agriculture, greywater



treatment and reuse, linkages between ecosan and Millennium Development Goals). Faecal Sludge Management, Low-cost Sewerage and Drainage.

> Management aspects of DWSS: Participatory planning and evaluation of DWSS systems, financing and cost recovery, institutional arrangements and operation and maintenance aspects.

International Water and Sanitation Center (IRC) - Netherlands:

Since the formation of the IRC International Water and Sanitation Centre (IRC), Netherlands has become a hub of best practice in water and sanitation research, capacity building and training activities. Since its foundation in 1968, the IRC has facilitated the sharing, promotion and use of knowledge so that governments, professionals and organisations particularly in developing countries can make better use of training initiatives to obtain water and sanitation services they will use and maintain.

The overall objective of IRC training activities is to provide thorough training of trainer courses to Water Services Sector (WSS) sector staff with the opportunity to update and supplement their knowledge on sector issues, and to improve their skills to plan, implement and manage projects. The training methodology is based on the conviction that the sharing of knowledge and experience is a valuable learning tool and essential in adult learning. IRC has a number of educational programs that it runs with partners such as ITN Africa in this context. To mention a few best practice models in school education about the promotion of community water, health and sanitation can be listed as the joint School Sanitation and Hygiene Education (SSHE) programmes which it initiated and launched in 1999 with UNICEF. The SSHE programme is the former Water, Sanitation and Hygiene (WASH) programme.

The Water Supply and Sanitation Collaborative Council (WSSCC) - Switzerland:

The Water Supply and Sanitation Collaborative Council (WSSCC) which is based in Switzerland, has a special interest in sanitation and hygiene and emphasizes the need to view Water, Sanitation and Hygiene (WASH) as an inseparable trinity for development. Though this council is not actively involved in class-room or direct training provision of formalized qualifications, its interest as stated above and its links to the United Nations makes it a key influence to training qualifications of this nature. This qualification is aligned with the programmes of the WSSCC in addressing water, sanitation and health promotion challenges as experienced worldwide.

Water, Engineering & Development Centre (WEDC) - Loughborough University (UK):

WEDC is one of the world's leading education and research institutes for improving access to infrastructure and services for the poor in low- and middle-income countries. They are based in the Department of Civil and Building Engineering at Loughborough University in the UK, but work all over the world.

Short courses for capacity development with WEDC:

Subject Areas:

- > Water, sanitation and hygiene.
- > Urban infrastructure and services.
- > Rural and urban institutional development and management.
- > Water and sanitation emergencies and relief.
- > Water quality and environmental monitoring.
- > Solid waste management.
- > Rural groundwater development.
- > Programme and project design and management.

RedR - Australia:

Short Course: Water, Environment and Sanitation in Emergencies:

Course Outline:

- > Health risks in emergencies.
- > Rapid assessments, reporting and monitoring.
- > Disease surveillance.
- > Coordination and partnerships.
- > Hygiene promotion.
- > Water quality testing and monitoring.
- > Environmental sanitation (solid waste management, site clean up).
- > Excreta disposal and latrines.
- > Site selection.
- > Water source identification.
- > Water pumping.
- > Water distribution systems.
- > Water trucking operations.
- > Transition issues (from emergency to rehabilitation).
- > Decommissioning and storage of equipment.

Streams of Knowledge (SOK):

Global coalition of resource centres in the water and sanitation sector. Organisations that work on water and sanitation issues and wish to broaden their approach will be supported to become resource centres. (Regional) Networks are being developed to help resource centres to validate the quality of their work, improve the relevance of their output and create conditions to exchange good practice.

Conclusion:

Whilst there is a considerable amount of training programmes and short courses that are partly comparable to this qualification, no formal qualification and unit standards that are directly comparable to this qualification and the component unit standards have been identified. The international comparative search conducted has revealed that only short courses and no full qualifications exist in the international arena.

The core and elective components have been developed taking into account South Africa's unique context. The fundamental components, reflecting foundational learning and generic skills and knowledge have been derived from registered, local adult education unit standards.

#### **ARTICULATION OPTIONS**

Vertical articulation is possible with the following:

- > ID 61669: Further Education and Training Certificate: Community Water, Health and Sanitation Facilitation at NQF Level 4.

This qualification articulates to qualifications in environmental science and environmental management at NQF Level 4.

Horizontal articulation is possible, but not limited, with the following:

- > ID 60155: National Certificate: Water and Wastewater Reticulation Services at NQF Level 3.

**MODERATION OPTIONS**

- > Anyone assessing a learner against this qualification must be registered as an assessor with the relevant ETQA.
- > Any institution offering learning that will enable achievement of these unit standards or will assess these unit standards must be accredited as a provider with the relevant ETQA.
- > Moderation of assessment will be overseen by the relevant ETQA according to the moderation guidelines in the relevant qualification and the agreed ETQA procedures.
- > Therefore anyone wishing to be assessed against this qualification may apply to be assessed by any assessment agency, assessor or provider institution that is accredited by the relevant ETQA.

**CRITERIA FOR THE REGISTRATION OF ASSESSORS**

For an applicant to register as an assessor, the applicant needs:

- > A qualification at or above the level of this qualification plus a minimum of two years practical, relevant occupational experience.
- > To be registered as an assessor with the relevant ETQA.

**NOTES**

Learning Pathway:

1. National Certificate: Community Water, Health and Sanitation Promotion, NQF Level 2.
2. National Certificate: Community Water, Health and Sanitation Monitoring, NQF Level 3.
3. Further Education and Training Certificate: Community Water, Sanitation and Health Facilitation, NQF Level 4 or Further Education and Training Certificate: Sanitation Project Facilitation, NQF Level 4.
4. National Certificate: Sanitation Project Co-ordination, NQF Level 5.
5. First Degrees/Higher Diplomas: Civil Engineering, Environmental Health, Development and Management.

**UNIT STANDARDS**

	ID	UNIT STANDARD TITLE	LEVEL	CREDITS
Fundamental	119472	Accommodate audience and context needs in oral/signed communication	Level 3	5
Fundamental	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	Level 3	2
Fundamental	9013	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 3	4
Fundamental	119457	Interpret and use information from texts	Level 3	5
Fundamental	9012	Investigate life and work related problems using data and probabilities	Level 3	5
Fundamental	119467	Use language and communication in occupational learning programmes	Level 3	5
Fundamental	7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	Level 3	5
Fundamental	119465	Write/present/sign texts for a range of communicative contexts	Level 3	5
Core	13912	Apply knowledge of self and team in order to develop a plan to enhance team performance	Level 3	5
Core	113852	Apply occupational health, safety and environmental principles	Level 3	10
Core	14034	Demonstrate knowledge of community sanitation	Level 3	7
Core	260198	Determine water and sanitation requirements for a community	Level 3	3
Core	260200	Monitor health and hygiene improvement in a sanitation project	Level 3	12

	ID	UNIT STANDARD TITLE	LEVEL	CREDITS
Core	260201	Operate, maintain and provide technical support for on site sanitation systems	Level 3	8
Core	114598	Demonstrate an understanding of an entrepreneurial profile	Level 4	5
Core	260199	Supervise a sanitation project	Level 4	6
Elective	14888	Construct on-site sanitation facilities	Level 2	2
Elective	242860	Apply the Batho Pele principles to own work role and context	Level 3	4
Elective	14050	Care for customers in a community environment	Level 3	5
Elective	119822	Collect data for environmental management purposes	Level 3	8
Elective	9532	Demonstrate basic knowledge of computers	Level 3	6
Elective	242890	Display an understanding of core municipal processes and Ward Committee participation in these processes	Level 3	10
Elective	119526	Implement safety procedures for open hole or deep excavations	Level 3	4
Elective	9530	Manage work time effectively	Level 3	3
Elective	11782	Perform basic building works	Level 3	8
Elective	11781	Plan and prepare to perform plumbing works	Level 3	8
Elective	14580	Read and interpret construction drawings and specifications	Level 3	10
Elective	11780	Understand and apply basic plumbing principles	Level 3	8
Elective	114977	Use a spreadsheet package to produce and manage business documents	Level 3	3
Elective	114978	Use a word processing package to produce business documents	Level 3	3
Elective	119829	Use appropriate environmental management tools and protocols to detect and respond to specific impacts	Level 3	10
Elective	12344	Demonstrate knowledge of gender and equity in sustainability of water and sanitation related projects	Level 4	4
Elective	14425	Perform site administration functions	Level 4	10
Elective	15159	Use labour intensive construction methods to construct and maintain water and sanitation services	Level 4	8

**LEARNING PROGRAMMES RECORDED AGAINST THIS QUALIFICATION****None**



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

*Determine water and sanitation requirements for a community*

SAQA US ID	UNIT STANDARD TITLE		
260198	Determine water and sanitation requirements for a community		
ORIGINATOR	PROVIDER		
SGB Water Sector			
FIELD	SUBFIELD		
12 - Physical Planning and Construction	Civil Engineering Construction		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	3

*This unit standard replaces:*

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
12348	Demonstrate Knowledge Of Water Users and Water Users' Needs	Level 3	3	Will occur as soon as 260198 is registered

**SPECIFIC OUTCOME 1**

Identify water uses in terms of the National Water Act.

**SPECIFIC OUTCOME 2**

Identify needs of water users.

**SPECIFIC OUTCOME 3**

Identify available water resources.

**SPECIFIC OUTCOME 4**

Identify and solve water related conflict.

**SPECIFIC OUTCOME 5**

Identify sanitation services delivery requirements.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	ID	QUALIFICATION TITLE	LEVEL
Core	64589	National Certificate: Community Water, Health and Sanitation Monitoring	Level 3



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

*Supervise a sanitation project*

SAQA US ID		UNIT STANDARD TITLE	
260199		Supervise a sanitation project	
ORIGINATOR		PROVIDER	
SGB Water Sector			
FIELD		SUBFIELD	
12 - Physical Planning and Construction		Civil Engineering Construction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 4	6

*This unit standard replaces:*

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
123468	Explain and apply quality control procedures	Level 3	6	Will occur as soon as 260199 is registered

**SPECIFIC OUTCOME 1**

Understand the role of the supervisor.

**SPECIFIC OUTCOME 2**

Gather and collate data required for quality control.

**SPECIFIC OUTCOME 3**

Apply quality control procedures to own project activities.

**SPECIFIC OUTCOME 4**

Monitor and supervise the implementation of sanitation projects.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	ID	QUALIFICATION TITLE	LEVEL
Core	64589	National Certificate: Community Water, Health and Sanitation Monitoring	Level 3



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Monitor health and hygiene improvement in a sanitation project***

SAQA US ID	UNIT STANDARD TITLE		
260200	Monitor health and hygiene improvement in a sanitation project		
ORIGINATOR	PROVIDER		
SGB Water Sector			
FIELD	SUBFIELD		
12 - Physical Planning and Construction	Civil Engineering Construction		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	12

***This unit standard replaces:***

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
115894	Promote health and hygiene improvement in a project-level sanitation project	Level 4	12	Will occur as soon as 260200 is registered

**SPECIFIC OUTCOME 1**

Monitor locally specific health and hygiene interventions.

**SPECIFIC OUTCOME 2**

Report monitoring indicators to the project facilitator.

**SPECIFIC OUTCOME 3**

Demonstrate understanding of quality assurance practices as a basis of project implementation monitoring.

**SPECIFIC OUTCOME 4**

Resolve non-conformance issues in water, health and sanitation projects.

**SPECIFIC OUTCOME 5**

Demonstrate understanding of basic health, social and environmental issues which relate to the sanitation environment.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	ID	QUALIFICATION TITLE	LEVEL
Core	64589	National Certificate: Community Water, Health and Sanitation Monitoring	Level 3



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

**UNIT STANDARD:*****Operate, maintain and provide technical support for on site sanitation systems***

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
260201	Operate, maintain and provide technical support for on site sanitation systems		
<b>ORIGINATOR</b>		<b>PROVIDER</b>	
SGB Water Sector			
<b>FIELD</b>		<b>SUBFIELD</b>	
12 - Physical Planning and Construction		Civil Engineering Construction	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 3	8

***This unit standard replaces:***

<b>US ID</b>	<b>Unit Standard Title</b>	<b>NQF Level</b>	<b>Credits</b>	<b>Replacement Status</b>
115965	Operate, maintain and provide technical support for on site sanitation systems	Level 3	8	Will occur as soon as 260201 is registered

**SPECIFIC OUTCOME 1**

Explain different on site sanitation systems.

**SPECIFIC OUTCOME 2**

Advise community members regarding application for new on site sanitation systems.

**SPECIFIC OUTCOME 3**

Monitor the construction of on site sanitation systems.

**SPECIFIC OUTCOME 4**

Operate and maintain on site sanitation systems.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD**

	<b>ID</b>	<b>QUALIFICATION TITLE</b>	<b>LEVEL</b>
Core	64589	National Certificate: Community Water, Health and Sanitation Monitoring	Level 3