



*Established in terms of Act 58 of 1995*

### **SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

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


#### **Manufacturing, Engineering and Technology**

publishes the following unit standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the unit standards. The 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, Hatfield Forum West, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the unit standards should reach SAQA at the address *below and no later than 15 Aug 2005*. All correspondence should be marked **Standards Setting – SGB for Mining and Minerals** and addressed to

The Director: Standards Setting and Development  
SAQA  
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**DUGMORE MPHUTHING**  
**ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT**



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

1

Describe the need for illumination in a working place

SAQA US ID	UNIT STANDARD TITLE		
119813	Describe the need for illumination in a working place		
SGB NAME	NSB 06	PROVIDER NAME	
SGB Mining and Minerals	Manufacturing, Engineering and Technology		
UNIT STANDARD TYPE	FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Fabrication and Extraction	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	1	Level 1	Regular

**SPECIFIC OUTCOME 1**

Explain the specified requirements pertaining to illumination in a working place.

**SPECIFIC OUTCOME 2**

Describe the effects on the worker due to poor illumination.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

2

**Describe the basic knowledge of HIV/ Aids, TB, STI's and substance abuse in the workplace**

SAQA US ID	UNIT STANDARD TITLE		
119814	Describe the basic knowledge of HIV/ Aids, TB, STI's and substance abuse in the workplace		
SGB NAME	NSB 06	PROVIDER NAME	
SGB Mining and Minerals	Manufacturing, Engineering and Technology		
UNIT STANDARD TYPE	FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Fabrication and Extraction	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	1	Level 1	Regular

#### **SPECIFIC OUTCOME 1**

Explain the basic knowledge of body systems, causes and implication of HIV/AIDS, TB, STI's and substance abuse in the work place.

#### **SPECIFIC OUTCOME 2**

Describe the signs and symptoms of HIV/Aids, TB, STI's and substance abuse.

#### **SPECIFIC OUTCOME 3**

Describe basic health education for promotion, prevention and curative care for HIV/Aids, TB, STI's and substance abuse.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

3

## Identify and describe sources and controlling of noise in a working place

SAQA US ID	UNIT STANDARD TITLE		
119815	Identify and describe sources and controlling of noise in a working place		
SGB NAME		NSB 06	PROVIDER NAME
SGB Mining and Minerals		Manufacturing, Engineering and Technology	
UNIT STANDARD TYPE		FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Manufacturing, Engineering and Technology	Fabrication and Extraction
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	1	Level 1	Regular

**SPECIFIC OUTCOME 1**

Explain the specified requirements pertaining to noise exposure in a working place.

**SPECIFIC OUTCOME 2**

Describe the various sources of noise in a working place.

**SPECIFIC OUTCOME 3**

Explain the personal protective measures that can be taken against exposure to excessive noise.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

4

#### Describe Process Control Systems for Processing Diamond Gemstones

SAQA US ID	UNIT STANDARD TITLE		
119817	Describe Process Control Systems for Processing Diamond Gemstones		
SGB NAME	NSB 06	PROVIDER NAME	
SGB Mining and Minerals	Manufacturing, Engineering and Technology		
UNIT STANDARD TYPE	FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Fabrication and Extraction	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	1	Level 1	Regular

#### **SPECIFIC OUTCOME 1**

Describe the stages of processing diamond gemstones.

#### **SPECIFIC OUTCOME 2**

Describe the controls in the process to ensure that the diamond gemstone is processed to the design, quality and productivity required.

#### **SPECIFIC OUTCOME 3**

Explain the consequences of non-adherence to process control systems.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

5

## Know, use and select various modes to communicate technological ideas

SAQA US ID	UNIT STANDARD TITLE		
119820	Know, use and select various modes to communicate technological ideas		
SGB NAME		NSB 06	PROVIDER NAME
SGB Mining and Minerals		Manufacturing, Engineering and Technology	
UNIT STANDARD TYPE		FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Manufacturing, Engineering and Technology	Fabrication and Extraction
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
ABET Level 4	2	Level 1	Regular

**SPECIFIC OUTCOME 1**

Know and use various modes to communicate technological ideas.

**SPECIFIC OUTCOME 2**

Select and apply appropriate mode(s) to communicate technological idea(s).