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**GOVERNMENT NOTICES**

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**SOUTH AFRICAN QUALIFICATIONS AUTHORITY**NO. **1079**

4 November 2005

Established in terms of Act 38 of 1995**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

Mining and Minerals

Registered by Organising Field 06, Manufacturing, Engineering and Technology, publishes the following unit standards for public comment.

This notice contains the titles, fields, subfields, 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 5 December 2005. All correspondence should be marked Standards Setting - SGB for Mining and Minerals and addressed to

The Director: Standards Setting and Development  
**SAQA**

Attention: *Mr. E*, Brown

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 - 431-5144

e-mail: [ebrown@saga.co.za](mailto:ebrown@saga.co.za)

  
**DUGMORE MPHUTHING**  
ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

Identify hazardous ground conditions in a surface mine and take appropriate action to safeguard persons, machinery and equipment

SAQA US ID	UNIT STANDARD TITLE		
120435	Identify hazardous ground conditions in a surface mine and take appropriate action to safeguard persons, machinery and equipment		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Mining and Minerals	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Fabrication and Extraction	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	4	Level 2	Regular

#### SPECIFIC OUTCOME 1

Identify hazardous ground conditions

#### SPECIFIC OUTCOME 2

Initiate appropriate action to safeguard persons, machinery and equipment.

#### SPECIFIC OUTCOME 3

Monitor hazardous ground conditions.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

Install and maintain an initiating system in a surface mine

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
120436	Install and maintain an initiating system in a surface mine		
<b>SGB NAME</b>		<b>ORGANISING FIELD ID</b>	<b>PROVIDER NAME</b>
SGB Mining and Minerals		6	
<b>UNITSTANDARD TYPE</b>		<b>ORGANISING FIELD DESCRIPTION</b>	<b>SUBFIELD DESCRIPTION</b>
Regular		Manufacturing, Engineering and Technology	Fabrication and Extraction
<b>ABET BAND</b>	<b>CREDITS</b>	<b>NQF LEVEL</b>	<b>UNITSTANDARD TYPE</b>
Undefined	2	Level 2	Regular



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
120437	Demonstrate an understanding of basic health and safety practices related to surface mines		
<b>SGB NAME</b>		<b>ORGANISING FIELD ID</b>	<b>PROVIDER NAME</b>
SGB Mining and Minerals		6	
<b>UNIT STANDARD TYPE</b>		<b>ORGANISING FIELD ESC</b>	<b>SUB-FIELD DESCRIPTION</b>
Regular		Manufacturing, Engineering and Technology	Fabrication and Extraction
<b>ABET BAND</b>	<b>CREDITS</b>	<b>NQF LEVEL</b>	<b>UNIT STANDARD TYPE</b>
Undefined	3	Level 2	Regular

Explain specified requirements regarding occupational health and safety issues in an open pit mine.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
120441	Identify and demarcate a misfire in a surface mine		
<b>SGB NAME</b>	<b>ORGANISING FIELD ID</b>	<b>PROVIDER NAME</b>	
SGB Mining and Minerals	6		
<b>UNIT STANDARD TYPE</b>	<b>ORGANISING FIELD DESCRIPTION</b>	<b>SUBFIELD DESCRIPTION</b>	
Regular	Manufacturing, Engineering and Technology	Fabrication and Extraction	
<b>ABET BAND</b>	<b>CREDITS</b>	<b>NQF LEVEL</b>	<b>UNIT STANDARD TYPE</b>
Undefined	2	Level 2	Regular

Prepare to demarcate a misfire.

**SPECIFIC OUTCOME 2**

Demarcate a misfire.

**SPECIFIC OUTCOME 3**

Monitor demarcation operations.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

#### Bar down loose rocks using appropriate equipment

SAQA US ID	UNIT STANDARD TITLE		
120443	Bar down loose rocks using appropriate equipment		
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Mining and Minerals		6	
UNIT STANDARD TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Manufacturing, Engineering and Technology	Fabrication and Extraction
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	3	Level 3	Regular

#### **SPECIFIC OUTCOME 1**

Describe the requirements related to the barring down of loose rocks.

#### **SPECIFIC OUTCOME 2**

Prepare to bar down loose rocks

#### **SPECIFIC OUTCOME 3**

Bar down loose rocks.



Established in terms of Act 58 of 1995

## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

Transport material and equipment using a flat back truck with machine mass not exceeding 16 000 kg

SAQA US ID	UNIT STANDARD TITLE		
120444	Transport material and equipment using a flat back truck with machine mass not exceeding 16 000 kg		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Mining and Minerals	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Fabrication and Extraction	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	10	Level 2	Regular

#### SPECIFIC OUTCOME 1

Prepare to transport material and adhere to health and safety requirements.

#### SPECIFIC OUTCOME 2

Transport material in accordance with specified requirements.

#### SPECIFIC OUTCOME 3

Monitor transport operations.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

SAQA US ID	UNIT STANDARD TITLE		
120450	Support roof using a compressed air/hydraulic support/drilling machine in an underground coal mine		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Mining and Minerals	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Fabrication and Extraction	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	3	Level 2	Regular

**SPECIFIC OUTCOME 1**

Prepare to support the roof

**SPECIFIC OUTCOME 2**

Support the roof.

**SPECIFIC OUTCOME 3**

Shut down support operations and prepare for following shift.

**SPECIFIC OUTCOME 4**

Work as part of a team.