



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, sub-fields, NQF levels, credits, and purpose of the Unit Standards. The full Unit Standards can be accessed via the SAQA web-site at www.saqqa.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 Unit Standards should reach SAQA at the address below and ***no later than 29 February 2008***. All correspondence should be marked **Standards Setting – Mining and Minerals** and addressed to

The Director: Standards Setting and Development
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SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Make up a heavy medium suspension in a metallurgical plant***

SAQA US ID	UNIT STANDARD TITLE		
254400	Make up a heavy medium suspension in a metallurgical plant		
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	6

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate knowledge relating to the making up of heavy medium suspension.

SPECIFIC OUTCOME 2

Prepare to make up heavy medium suspension.

SPECIFIC OUTCOME 3

Make up heavy medium suspension.

SPECIFIC OUTCOME 4

Complete the duties pertaining to the making up of heavy medium suspension.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:**Control water quality in a cooling system**

SAQA US ID	UNIT STANDARD TITLE		
254401	Control water quality in a cooling system		
ORIGINATOR	PROVIDER		
SGB Mining and Minerals			
FIELD	SUBFIELD		
6 - Manufacturing, Engineering and Technology	Fabrication and Extraction		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	6

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
110412	Control water quality in a cooling system	Level 2	6	Will occur as soon as 254401 is registered

SPECIFIC OUTCOME 1

Demonstrate knowledge relating to the control of water quality.

SPECIFIC OUTCOME 2

Prepare to control water quality.

SPECIFIC OUTCOME 3

Control water quality.

SPECIFIC OUTCOME 4

Complete the duties pertaining to the water quality control process.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Reclaim material from a tailings dam by means of high pressure monitoring***

SAQA US ID	UNIT STANDARD TITLE		
254402	Reclaim material from a tailings dam by means of high pressure monitoring		
ORIGINATOR	PROVIDER		
SGB Mining and Minerals			
FIELD	SUBFIELD		
6 - Manufacturing, Engineering and Technology	Fabrication and Extraction		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	3

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
15290	Reclaim material from a tailings dam by means of high pressure monitoring	Level 2	3	Will occur as soon as 254402 is registered

SPECIFIC OUTCOME 1

Demonstrate knowledge relating to the reclamation of material.

SPECIFIC OUTCOME 2

Prepare to reclaim material.

SPECIFIC OUTCOME 3

Reclaim material.

SPECIFIC OUTCOME 4

Complete the duties pertaining to the reclamation of material.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***De-sliming material by means of a screen***

SAQA US ID	UNIT STANDARD TITLE		
254405	De-sliming material by means of a screen		
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	2

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate knowledge relating to the de-sliming of material.

SPECIFIC OUTCOME 2

Prepare to de-slime material.

SPECIFIC OUTCOME 3

De-slime material.

SPECIFIC OUTCOME 4

Complete the duties pertaining to the de-sliming process.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Recover diamonds by means of hand sorting***

SAQA US ID	UNIT STANDARD TITLE		
254406	Recover diamonds by means of hand sorting		
ORIGINATOR			PROVIDER
SGB Mining and Minerals			
FIELD			SUBFIELD
6 - Manufacturing, Engineering and Technology			Fabrication and Extraction
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	6

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
11074	Recover diamonds by means of hand sorting	Level 2	6	Will occur as soon as 254406 is registered

SPECIFIC OUTCOME 1

Demonstrate knowledge relating to the recovery of diamonds by means of hand sorting.

SPECIFIC OUTCOME 2

Prepare to recover diamonds.

SPECIFIC OUTCOME 3

Recover diamonds.

SPECIFIC OUTCOME 4

Complete the duties pertaining to the process of recovering diamonds.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Perform dense medium separation in a metallurgical plant***

SAQA US ID	UNIT STANDARD TITLE		
254414	Perform dense medium separation in a metallurgical plant		
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	7

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate knowledge relating to the separation of material.

SPECIFIC OUTCOME 2

Prepare to separate material.

SPECIFIC OUTCOME 3

Separate material.

SPECIFIC OUTCOME 4

Complete the duties pertaining to the separation process.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:**Reclaim material by means of a bridge-type reclaimer**

SAQA US ID	UNIT STANDARD TITLE		
254416	Reclaim material by means of a bridge-type reclaimer		
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	4

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
9578	Reclaim material by means of a bridge-type reclaimer	Level 2	4	Will occur as soon as 254416 is registered

SPECIFIC OUTCOME 1

Demonstrate knowledge relating to reclaiming material.

SPECIFIC OUTCOME 2

Prepare to reclaim material.

SPECIFIC OUTCOME 3

Reclaim material.

SPECIFIC OUTCOME 4

Complete the duties pertaining to the reclamation process.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:**Control a blending and reclaiming process in a beneficiation plant**

SAQA US ID	UNIT STANDARD TITLE		
254434	Control a blending and reclaiming process in a beneficiation plant		
ORIGINATOR			PROVIDER
SGB Mining and Minerals			
FIELD			SUBFIELD
6 - Manufacturing, Engineering and Technology			Fabrication and Extraction
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	4

This unit standard replaces:

US ID	Unit Standard Title	NQF Level	Credits	Replacement Status
15292	Control a blending and reclaiming process in a beneficiation plant	Level 2	4	Will occur as soon as 254434 is registered

SPECIFIC OUTCOME 1

Demonstrate knowledge relating to the control of a blending and reclaiming process.

SPECIFIC OUTCOME 2

Prepare to control the blending and reclaiming process.

SPECIFIC OUTCOME 3

Control the blending and reclaiming process.

SPECIFIC OUTCOME 4

Complete the duties pertaining to the blending and reclaiming process.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None