TITLE: MQA - DRILL BLAST HOLES IN A SURFACE MINING OPERATION

Document Owner: Operations Manager



MQA SURFACE SKILLS PROGRAM - MQA/SP/0177/19

SAQA US ID	257026				SPECIALISATION ELECTIVE			
Unit Standard Title	Drill blast holes in a surface mining operation							
NQF Level	03 SGB Mining			and Minerals				
Credits	15			Notiona	l Hours	150		
Duration	Candidate	Knowledge		ge	Practical		Workplace	
	Novice	3 days			6 days		10 days/ 80 hrs	
	RPL (Re-fresher)	1-2 days		3	1-2 days		N/A	
	Re-certification	½ day			½ day		N/A	
Ratio of candidates to assessor			4:1		4:1		1:1	

NOTE: MQA SKILLS PROGRAM RULES BEFORE A SOR (Statement of Results) CAN BE ISSUED:

- All Cores need to be completed
- At least 1 Specialisation Elective
- At least 1 General Elective Unit Standard
- Additional 1 Day is required to conduct the Summative Practical Assessment after workplace exposure (logbook).

PURPOSE OF THE COUR	SE
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This unit standard will be useful to people who are responsible for drilling blast holes in a surface mining operation

PRE-REQUISITES

- Communication and Mathematical Literacy at NQF Level 2
- Certified copy of ID
- Copy of learners Medical Certificate

SPECIFIC OUTCOMES OF THE COURSE

- Demonstrate an understanding regarding drilling blast holes in a surface mining operation.
- Prepare to drill blast holes.
- Drill blast holes.
- Complete the duties pertaining to the drilling of blast holes

ESSENTIAL EMBEDDED KNOWLEDGE

The following embedded knowledge is addressed in

- Environmental conditions e.g. dust, excessive water, visibility.
- Power lines.
- · Moving machinery.

Risks associated with work related hazards:

- · Working in proximity of moving machinery.
- · Pedestrians and other workers.
- Working in proximity of cables.
- Hydraulic pressure.
- Roadway conditions.
- · Access control.
- Manipulation of controls.
- Lock out procedure.

Risks associated with workplace hazards:

an integrated way in the unit standard:

- Overhang.
- Large rocks.
- Bench edges.

Basic principles of using drill rig:

- Monitoring of instruments, gauges and safety systems.
- Manipulation of controls.

Processes and events:

Workplace examination

RPL Evidence Requirements Prior to Enrolment

- Mine Induction Records
- Medical Certificate
- Curriculum Vitae
- Testimonial

Logbook supporting evidence requirements:

- * compulsory and ** additional supporting evidence.
- Completed and signed Checklists *
- Completed and signed Risk Assessment *
- Clocking records and equipment tag records. **

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