

## MQA UNDERGROUND SKILLS PROGRAM – MQA/SP/0173/17

SAQA US ID	244409	<b>ELECTIVE UNIT STANDARD</b>		
Unit Standard Title	Doze material using a Tyre Dozer in an underground mine			
NQF Level	02	SGB	Mining and Minerals	
Credits	6	Notional Hours		60
Duration	Candidate	Knowledge	Practical	Workplace
	Novice	2 days	3 days	1 day / 8 hours
	RPL (Re-fresher)	1 day	1 day	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 Elective with a minimum of 7 Credits from the Elective Unit Standard
- Additional 1 Day is required to conduct the Summative Practical Assessment after workplace exposure (logbook).

**PURPOSE OF THE COURSE**

This unit standard will be useful to people who have to doze material using a tyre dozer within an underground workplace

**PRE-REQUISITES**

- Follow basic occupational health and safety practices underground at NQF Level 1.
- Take charge of and drive a non-articulating vehicle in an underground mine at NQF Level 1.
- Certified Copy of ID
- Copy of learners Medical Certificate

**SPECIFIC OUTCOMES OF THE COURSE**

- Explain the dozing of material using a tyre dozer in an underground mine.
- Prepare to doze material using a tyre dozer.
- Doze material using a tyre dozer.
- Perform post-dozing activities

**ESSENTIAL EMBEDDED KNOWLEDGE**

The following embedded knowledge is addressed in an integrated way in the unit standard:

**Risks associated with workplace hazards relating to:**

- Support conditions.
- Ground conditions.
- Roadway conditions.
- Environmental conditions e.g. heat, gases, dust, excessive water, visibility and ventilation flow.
- Inclinations.
- Open excavations.

**Risks associated with work related hazards relating to:**

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

**Basic principles of controlling a tyre dozer:**

- Monitoring of instruments, gauges and safety systems.
- Brake testing.

- Manipulation of controls.

**Processes and events:**

- Workplace examination.
- Pre-use inspection of vehicle.
- Preparation of tyre dozer.
- Take charge and doze material paying attention to the manipulation of the controls, inclinations, roadway conditions, pedestrians and prevention of injuries and property damage.

**Occupational safety, occupational health and environment:**

- Hazards and risks encountered.
- Safety systems and occupational health protection.
- Personal protective equipment.
- Environmental protection and pollution controls.
- Emergency procedures.

**Applicable statutory requirements:**

- Applicable Acts and Regulations.
- Codes of Practice.
- Operator competency requirements.

**Communication requirements:**

- Reporting.
- Liaison with associated operators.
- Interpreting and implementing instructions

**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. \*\*