



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

SAQA US ID	257060	SPECIALISATION ELECTIVE		
Unit Standard Title	Suppress dust using a water bowser			
NQF Level	02	SGB	Mining and Minerals	
Credits	10	Notional Hours		100
Duration	Candidate	Knowledge	Practical's	On the job
	Novice	2 days	3 days	7 days / 58 hours
	RPL (Re-fresher)	1 day	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 on the job exposure (logbook).

<p align="center"><u>PURPOSE OF THE COURSE</u></p> <p>This unit standard will be useful to people who are responsible for suppressing dust using a water bowser</p>	<p align="center"><u>PRE-REQUISITES</u></p> <ul style="list-style-type: none"> • Communication at NQF Level 1. • Mathematical Literacy NQF Level 1. • Certified copy of ID • Copy of learners Medical Certificate
<p align="center"><u>SPECIFIC OUTCOMES OF THE COURSE</u></p> <ul style="list-style-type: none"> • Demonstrate an understanding regarding suppressing dust using a water bowser. • Prepare to suppressing dust using a water bowser. • Suppress dust using a water bowser. • Complete the duties pertaining to the dust suppressing operations 	<ul style="list-style-type: none"> • Manipulation of controls. • Lock out procedure. <p>Basic principles of using a Tractor Loader Backhoe:</p> <ul style="list-style-type: none"> • Monitoring of instruments, gauges and safety systems. • Manipulation of controls. <p>Processes and events:</p> <ul style="list-style-type: none"> • Workplace examination. • Pre-use inspection of Tractor Loader Backhoe. • Preparation. • Take charge and operate paying attention to the manipulation of the controls, roadway conditions, pedestrians and prevention of injuries and property damage. <p>Occupational safety, health and environment:</p> <ul style="list-style-type: none"> • Hazards and risks encountered. • Safety systems and health protection. • Personal protective equipment. • Environmental protection and pollution controls. • Emergency procedures <p>Applicable statutory requirements:</p> <ul style="list-style-type: none"> • Applicable Acts and Regulations. • Codes of Practice. • Operator competency requirements. <p>Communication requirements:</p> <ul style="list-style-type: none"> • Reporting. • Liaison with associated operators. • Interpreting and implementing instructions
<p align="center"><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></p> <p>The following embedded knowledge is addressed in an integrated way in the unit standard:</p> <p>Risks associated with workplace hazards:</p> <ul style="list-style-type: none"> • Overhang. • Large rocks. • Bench edges. • Environmental conditions e.g. dust, excessive water, visibility. • Power lines. • Moving machinery. <p>Risks associated with work related hazards:</p> <ul style="list-style-type: none"> • Working in proximity of moving machinery. • Pedestrians and other workers. • Working in proximity of cables. • Hydraulic pressure. • Roadway conditions. • Access control. 	

RPL Evidence Requirements Prior to Enrolment

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

Logbook supporting evidence requirements:

- Completed and signed Checklists
- Completed and signed Risk Assessment
- Other additional supporting evidence – clocking records and equipment tag records.