

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

|                                 |  |                                |                     |                   |
|---------------------------------|--|--------------------------------|---------------------|-------------------|
| SAQA US ID                      | 257021                                   | <b>SPECIALISATION ELECTIVE</b> |                     |                   |
| Unit Standard Title             | Doze material using a rubber wheel dozer |                                |                     |                   |
| NQF Level                       | 02                                       | SGB                            | Mining and Minerals |                   |
| Credits                         | 14                                       | Notional Hours                 |                     | 140               |
| Duration                        | Candidate                                | Knowledge                      | Practical           | Workplace         |
|                                 | Novice                                   | 3 days                         | 6 days              | 7 days / 56 hours |
|                                 | RPL (Re-fresher)                         | 1-2 days                       | 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).

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

**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. \*\*