

### 1. Composition of the Skills programme (Surface Excavation Operations) Trackless Mobile Machine's

Note\* The following Unit Standards must be achieved as per MQA guidelines

- . All the core Unit Standards
- . One Unit Standard from either one of the specialisation areas.
- . One Unit Standard from the General Electives.

#### Skills Programme for Trackless Mobile Machines

| Course  | NLRD NOS | Credits | Level | Training Provider(Hours) MMTI | Workplace (Hours) CLIENT |
|---|----------|---------|-------|-------------------------------|--------------------------|
| Explain basic health and safety principles in and around the workplace. | 259639   | 4       | 2     | 16                            | 24                       |
| Demonstrate knowledge and ability to work in a Surface Mine             | 253025   | 8       | 2     | 32                            | 48                       |

  

One of the following unit standards specific to **Dozing operations** for surface excavations must be achieved.

| Course                                 | NLRD NOS | Credits | Level | Training Provider(Hours) MMTI | Workplace (Hours) CLIENT |
|--|----------|---------|-------|-------------------------------|--------------------------|
| Doze material using rubber wheel dozer | 257021   | 14      | 2     | 30                            | 110                      |
| Use a track dozer to move material     | 257038   | 14      | 2     | 30                            | 110                      |

| Continue....   |          |         |       |                               |                          |  |
|--|----------|---------|-------|-------------------------------|--------------------------|--|
| One of the following unit standards specific to <b>Excavating operations</b> for surface excavation operations must be achieved. |          |         |       |                               |                          |  |
| Course   | NLRD NOS | Credits | Level | Training Provider(Hours) MMTI | Workplace (Hours) CLIENT |  |
| Load material using a face shovel  | 257032   | 26      | 3     | 30                            | 230                      |  |
| Excavate and load material using hydraulic excavator   | 257076   | 26      | 3     | 30                            | 230                      |  |
| Load material using a Front End Loader   | 257031   | 16      | 2     | 30                            | 130                      |  |
| Relocate material using a dragline   | 256996   | 26      | 3     | 30                            | 230                      |  |
| Load, haul and dump material using a scraper   | 257035   | 12      | 2     | 30                            | 90                       |  |
| Load and offload material using a skid steer loader  | 257034   | 9       | 2     | 30                            | 60                       |  |
| Handle dimension stone blocks by means of front end loader   | 116626   | 13      | 3     | 7                             | 123                      |  |
| Operate Tractor Loader Backhoe   | 257028   | 13      | 3     | 30                            | 100                      |  |

The following unit standard specific to **Haul Operations** for surface excavations must be achieved.

| Course   | NLRD NOS | Credits | Level | Training Provider(Hours) MMTI | Workplace (Hours) CLIENT |
|--|----------|---------|-------|-------------------------------|--------------------------|
| Haul and dump material using a haul truck  | 257024   | 11      | 2     | 30                            | 80                       |
| The following unit standard specific to <b>Grader Operations</b> for surface excavation operations must be achieved. |          |         |       |                               |                          |
| Course   | NLRD NOS | Credits | Level | Training Provider(Hours)      | Workplace (Hours)        |
| Grade material using a motor grader  | 257115   | 14      | 3     | 30                            | 110                      |
| <i>Continue...</i>   |          |         |       |                               |                          |
| One of the following unit standards <b>Hydraulic Rock breaker</b> for surface excavation operations must be achieved |          |         |       |                               |                          |
| Course   | NLRD NOS | Credits | Level | Training Provider(Hours) MMTI | Workplace (Hours) CLIENT |
| Breaking rock using a hydraulic rock breaker   | 256997   | 13      | 2     | 30                            | 100                      |
| Relocate machines and equipment using a lowbed   | 257018   | 10      | 2     | 30                            | 70                       |
| Transport material and equipment using a flat back truck   | 257020   | 10      | 2     | 20                            | 80                       |
| Suppress dust using a water bowser   | 257060   | 10      | 2     | 20                            | 80                       |

| Course   | NLRD NOS      | Credits  | Level    | Training Provider(Hours) MMTI | Workplace (Hours) CLIENT | Cost               |
|--|---------------|----------|----------|-------------------------------|--------------------------|--------------------|
| Transport and distribute explosives by means of a light duty explosives vehicle                                    | 257015        | 2        | 2        | 6                             | 12                       |                    |
| Transport personnel, material and equipment using Light Delivery Vehicle   | 257025        | 2        | 4        | 6                             | 34                       |                    |
| Transport and distribute fuel using a Fuel Bowser  | 257135        | 2        | 4        | 6                             | 34                       |                    |
| <b>Electives - One of the following Elective unit standards for surface excavation operations must be achieved</b> |               |          |          |                               |                          |                    |
| Demonstrate knowledge and use of hand operated fire fighting equipment   | 13961         | 4        | 2        | 16                            | 24                       | As indicated above |
| Provide risk-based primary emergency care / first-aid in the workplace   | <b>120496</b> | <b>5</b> | <b>2</b> | <b>30</b>                     | <b>20</b>                |                    |