

**MNQOP25A****Unit Descriptor****Conduct scraper operations**

This unit covers the pick up, transporting and placing of materials using a scraper.

**Unit Sector**

No sector assigned

**ELEMENT****PERFORMANCE CRITERIA**

- |                                    |  |
|------------------------------------|--|
| 1. Plan and prepare for operations | <ul style="list-style-type: none"> <li>1.1 Safety rules and regulations, induction including site rules and legislation and site specific instructions are observed.</li> <li>1.2 Basic geological and technical data required to complete the allocated tasks is received, clarified and applied in accordance to site requirements.</li> <li>1.3 Pre-start and walk around checks are carried out in accordance with manufacturers' and/or site authorised procedures.</li> <li>1.4 Briefings or handover details are received, interpreted and clarified in accordance with site requirements.</li> <li>1.5 Work circuit, including pick-up and dump areas, is prepared and maintained.</li> </ul>  |
| 2. Operate scraper                 | <ul style="list-style-type: none"> <li>2.1 Start-up, park-up, shut-down and communication procedures are carried out in accordance with manufacturers' and/or site specific requirements.</li> <li>2.2 Scraper operations are conducted, controlled and monitored with equipment and operational limitations during the shift.</li> <li>2.3 Operations are conducted in all weather conditions by day and night, within safety requirements.</li> <li>2.4 Working with other equipment and personnel is carried out in accordance with authorised safety procedures and site work practices.</li> <li>2.5 Emergency procedures are carried out in accordance with manufacturers' and/or quarry requirements.</li> <li>2.6 Work is completed in accordance with the agreed plan and outcomes and within the operating capacities of the allocated equipment.</li> <li>2.7 Operations are to be carried out in accordance with site quality plan.</li> </ul> |

- 3. Carry out basic operator maintenance
  - 3.1 Inspection and fault finding are conducted in accordance with manufacturers' specifications and/or site requirements.
  - 3.2 Routine operational servicing and lubrication tasks are carried out to manufacturers' and/or site requirements.
  - 3.3 Minor maintenance is carried out to manufacturers' and/or site requirements.
  - 3.4 Operator support is provided during preparation for and conduct of major maintenance tasks in accordance with site requirements, if required.
  - 3.5 Records are maintained in accordance with site requirements.
  - 3.6 Washing vehicle and housekeeping is carried out to manufacturers or site requirements.

**KEY COMPETENCIES**

Key Competency	Performance Level
Communicating ideas and information	1
Collecting analysing and organising information	1
Planning and organising activities	1
Working with others and in teams	1
Using mathematical ideas and techniques	1
Solving problems	1
Using technology	1

**RANGE STATEMENT**

Briefings/handover details may include but are not limited to:

- worksite inspection
- defects on machine
- nature and scope of task
- adequacy of lighting
- potential hazards

Legislative/regulative adherence may include but is not limited to:

- Occupational Health and Safety
- Duty of Care
- Environmental
- Mines Department/Extractive Industries

Safe operating procedures may include but are not limited to:

- observing site speed limits
- working safely around overhead powerlines
- on rough or uneven surfaces

Tasks may include but are not limited to:

- road construction and maintenance
- strip and stockpile material
- cut batters and drains
- level spoil and dumps
- top dressing formation of and completion of rehabilitation
- other site specific requirements
- Scrapers are self-loading, push-loading and push-pull.

Surfaces include but are not limited to:

- haul roads and access roads
- pads including stockpiles
- clearing in preparation for quarrying and rehabilitation
- dumps
- bund walls
- drainage
- roughly cleared terrain

Materials may include but are not limited to:

- overburden
- gravel
- mud
- sand and topsoil

Communications may include but are not limited to:

- two-way radio
- reporting defects to appropriate department/personnel

Weather Conditions may include but are not limited to:

- Visibility, dry/wet

## EVIDENCE GUIDE

### Context

Competency must be assessed in the normal or simulated work environment within the bounds of safety and in accordance with work procedures.

Assessment shall include those aspects of the Core Competencies that are consistent with the work environment of this Unit.

Guidelines will be in line with statutory requirements, enterprise specific policies and procedures and codes of practice.

**Critical Aspects and Evidence**

It is essential that competence is fully observed in the critical aspects of:

- Operational safety compliance with Occupational Health and Safety, Environmental, Legislation/Regulation and organisational policies and procedures
- Interpreting and communicating operational information
- Start-up, park-up, shut-down and walk around inspection procedures
- Implements to ground at shutdown and park-up
- Stripping materials
- Towing and pushing other equipment
- Dump maintenance
- Civil works
- Operator Maintenance
- Emergency Procedures
- Quality requirements
- The ability to transfer the competency to changing circumstances is identified from demonstration of the required response.
- Response to emergency situations and actions.

**Underpinning Knowledge and Skills****Knowledge**

A knowledge of:

- Site and equipment safety requirements
- Equipment characteristics, technical capabilities and limitations
- Operational and maintenance procedures
- Basic geological and technical data

**Skills**

The ability to:

- Apply eye-hand co-ordination
- Access, interpret and apply all information
- Maintain equipment records
- Use relevant hand tools
- Apply basic diagnostic techniques
- Work in confined spaces
- Work wearing personal protective equipment
- Work at heights
- Operate scraper in accordance with site/manufacturer's specifications

**Resource Implications**

The resources available will be specific to this competency, the individual employer and the particular worksite as required to comply to the other elements of this unit.

**Interdependence of Units**

- Pre-requisites - Unit MNQ.OP/01.A of Operator
- Interrelationship of Units - this unit may need to be applied in conjunction with units MNQ.OP/01.A, MNQ.OP/02.A, MNQ.OP/03.A, MNQ.OP/04.A, MNQ.OP/05.A, MNQ.OP/10.A, MNQ.OP/12.A, MNQ.OP/28.A, MNQ.OP/29.A

**Consistency of Performance**

Competency in this unit needs to be assessed over a period of time to ensure consistency of performance in a range of environments, using a range of assessment instruments.