

<b>Domain Title:</b>	<b>HEAVY EQUIPMENT OPERATIONS Work around operating equipment as part of surface mining and quarrying activities</b>	<b>Unit ID: 1115</b>
<b>Level: 2</b>		<b>Credits: 6</b>

### Purpose

This unit standard is intended for those who work in surface mining and quarrying operations. People holding credit for this unit standard are able to: Plan and prepare for work; communicate with co-workers on site; work in authorised and safe location; complete work related documents; and clean up work area.

### Special Notes

1. Entry information:
  - Prerequisite
    - Unit 1113 - *Comply with health, safety and environmental rules and regulations pertaining to heavy equipment operations*
2. *'Work around operating equipment'* refers to on-foot work being carried out in vicinity of operating equipment, machinery and/or plants as part of surface mining and quarrying activities.
3. Assessment evidence may be collected from a real workplace or a simulated workplace in which surface mining and quarrying operations are carried out.
4. Safe working practices include but are not limited to day-to-day observation of safety policies and procedures, and compliance with emergency procedures.
5. Performance of all elements in this unit standard must comply with all relevant legal and workplace requirements, contractual agreement and/or manufacturers' specifications.
6. Regulations and legislation, including subsequent amendments, relevant to this unit standard may include but are not limited to the following:
  - Labour Act, No. 11 of 2007
  - Regulations relating to the Health and Safety of employees at work, 1997 and industry specific regulations, legislations, code of practice, or code of conduct.

### Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority on [www.nta.com.na](http://www.nta.com.na).

## **Elements and Performance Criteria**

### **Element 1: Plan and prepare for work**

#### **Performance Criteria**

- 1.1 Work instructions, including plans, specifications, quality requirements and operational details are obtained, explained, clarified and applied to the allocated task.
- 1.2 Safety requirements including personal protective clothing, safety signs, warning signals and equipment are obtained from the site safety plan, workplace policies and procedures, and applied to the allocated task.
- 1.3 On-site traffic control requirements are obtained, explained, clarified and observed in accordance with allocated task.
- 1.4 Tools, fuel, lubricants, equipment, attachments and accessories selected to carry out tasks are checked for consistency with the requirements of the job, their usability and any faults rectified or reported prior to commencement of work.

### **Element 2: Communicate with co-workers on site**

#### **Range**

Communication may include but is not limited to verbal and/or two-way radio contact.

#### **Performance Criteria**

- 2.1 Communication channels are established and maintained.
- 2.2 Hand signals are used in line with workplace procedures.
- 2.3 Audible signals are used and responded to in line with workplace procedures.

### **Element 3: Work in authorised and safe location**

#### **Range**

Rules of conduct may include but are not limited to 'Walk, don't run'; 'When in stairways, use handrails'; 'Walk slowly on slippery surfaces, taking short steps'; and 'Do not engage in horseplay'.

#### **Performance Criteria**

- 3.1 Authorised and safe location are identified according to workplace procedures.
- 3.2 Blind spots are identified and avoided.
- 3.3 Safe working distance to operating equipment is maintained.
- 3.4 Where applicable, designated travel ways around operating equipment are used.

- 3.5 Nature of work is carried out according to allocated task and workplace requirements.
- 3.6 Basic rules of conduct are obeyed in line with workplace procedures.
- 3.7 Hazards or potentially hazardous conditions are reported to designated personnel in line with workplace procedures.

**Element 4: Complete work related documents**

**Performance Criteria**

- 4.1 Work related documents are completed in accordance with contract and workplace requirements.
- 4.2 Maintenance and service related documents are completed in accordance with manufacturer and workplace requirements.
- 4.3 Documents related to accidents or other incidents are completed in accordance with workplace requirements.

**Element 5: Clean up work area**

**Performance Criteria**

- 5.1 Work area is cleared and materials disposed of or recycled in accordance with project environment management plan.
- 5.2 Tools and equipments are cleaned, checked, maintained, serviced and stored in accordance with manufacturers' recommendations and standard work practices.
- 5.3 Unused materials are safely stored and stacked for future use.

**Registration Data**

<b>Subfield:</b>	Surface Mining and Quarrying
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