

Unit ID: 1452

Domain METALLURGICAL PROCESSING - CORE
Title: Work around energy sources in a
metallurgical plant

Level: 2

Credits: 4

Purpose

This unit standard is intended for those who carry out metallurgical processing operations. People holding credit for this unit standard are able to: Communicate with co-workers on site; work around energy sources; and complete duties pertaining to working around energy sources.

Special Notes

1. Entry information:

Prerequisite

- 1449 - *Comply with health, safety and environmental rules and regulations pertaining to processing operations*; or demonstrated equivalent knowledge and skills.

2. Assessment evidence may be collected from a real workplace or a simulated workplace in which processing operations are carried out.

3. Safe working practices include day-to-day observation of safety policies and procedures and compliance with emergency procedures.

4. Specifications refer to any, or all of the following: manufacturer's specifications and recommendations, and workplace specific requirements.

5. Performance of all elements in this unit standard must comply with relevant regulatory, legislative, workplace requirements and/or manufacturers' specifications. Expected worksite targets are to be met.

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, 2007
- Mineral Act, No. 33, 1992
- Mine Health and Safety Regulations, 1999
- Regulations relating to the Health and Safety of employees at work, 1997 and all 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. All approved unit standards, qualifications and national assessment arrangements are available on the Namibia Training Authority website www.nta.com.na.

Elements and Performance Criteria

Element 1: Communicate with co-workers on site

Range

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

Performance Criteria

- 1.1 Communication channels are established and maintained.
- 1.2 Hand signals are used in line with workplace procedures.
- 1.3 Audible signals are used and responded to in line with workplace procedures.

Element 2: Work around energy sources

Range

Energy sources may include but are not limited to compressed air; steam; electricity including overhead lines; combustible gases such as propane and acetylene; and explosives.

Performance Criteria

- 2.1 Authorised and safe location are identified according to workplace procedures.
- 2.2 Blind spots are identified and avoided.
- 2.3 Energy sources are identified.
- 2.4 Safe working distance to energy sources is maintained.
- 2.5 Nature of work is carried out according to allocated task and workplace requirements.
- 2.6 Hazards or potentially hazardous conditions are reported to designated personnel in line with workplace procedures.

Element 3: Complete duties pertaining to working around energy sources

Range

Housekeeping may include but is not limited to ensure the work area is ready for next user; remove work materials to designated locations; correctly identify waste and re-usable material; and remove waste and re-usable materials to designated locations.

Performance Criteria

- 3.1 Task-specific tools and equipment, including personal protective and safety equipment, are cleaned, maintained and stored for further use according to workplace procedures.
- 3.2 Good housekeeping practices are maintained according to workplace procedures.
- 3.3 Reporting and recording requirements are met according to workplace procedures.
- 3.4 Preparation for maintenance, where applicable, is carried out according to lock-out and workplace procedures.
- 3.5 Work related documents are completed according to job requirements and workplace procedures.

Registration Data

Subfield:	Metallurgy
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Body responsible for review:	Namibia Training Authority