

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: Plan and prepare to absorb chlorine gas

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 and security requirements, including personal protective clothing and equipment are obtained from the site safety plan, workplace policies and procedures, explained, and applied to the allocated task.
- 1.3 Equipment, tools, fuel, lubricants, 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.
- 1.4 Environmental protection requirements are identified from the project environmental management plan and applied to the allocated task.
- 1.5 Work area is inspected and prepared according to workplace procedures.

Element 2: Demonstrate knowledge relating to the absorption of chlorine gas

Range

Principal components include absorption system components; auxiliary systems; safety devices; and interlock systems.

Performance Criteria

- 2.1 The actions and conditions pertaining to a safe, healthy environment in the absorption process are described.
- 2.2 The importance of absorbing chlorine gas is described in terms of achieving specified production requirements.
- 2.3 Hazards and associated risks are identified through relevant risk assessment procedures.
- 2.4 The principal components of the absorption system are identified and their functions described in terms of design and operational requirements.
- 2.5 The elementary principles of the absorption process are described.
- 2.6 The communication requirements pertaining to the absorption process are described.

- 2.7 Corrective actions, in case of sub-standard conditions and problems be encountered, are described.

Element 3: Conduct pre-operational checks

Performance Criteria

- 3.1 Workplace hazards and associated risks are identified, minimised or eliminated according to workplace procedures and legislative requirements.
- 3.2 The absorption system is examined and substandard conditions are reported to appropriate personnel according to workplace procedures.
- 3.3 Start-up and shutdown procedures are conducted according to manufacturer's specifications.

Element 4: Absorb chlorine gas

Performance Criteria

- 4.1 Workplace hazards and associated risks are identified, minimised or eliminated according to workplace procedures and legislative requirements.
- 4.2 The equipment is operated according to workplace procedures.
- 4.3 The absorption process is monitored and controlled, and optimum production ensured through effective communication according to workplace procedures.
- 4.4 If necessary, corrective and/or reporting actions are taken according to workplace procedures.

Element 5: Carry out routine operator maintenance

Performance Criteria

- 5.1 Workplace hazards and associated risks are described, identified, minimised or eliminated according to workplace procedures and legislative requirements.
- 5.2 The work area is prepared in readiness for maintenance work to be carried out.
- 5.3 Maintenance, replacement or other maintenance is carried out within scope of responsibility according to manufacturer's specifications and workplace procedures.
- 5.4 System is restored to operational status and relevant documentation completed.

Element 6: Complete duties pertaining to the absorption process

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

- 6.1 Task-specific tools, personal protective and safety equipment, are cleaned, maintained and stored for further use according to workplace procedures.
- 6.2 Good housekeeping practices are maintained according to workplace procedures.
- 6.3 Reporting and recording requirements are met according to workplace procedures.
- 6.4 Work related documents are completed according to job requirements and workplace procedures.

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