

No. 1113

24 October 2008

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with Regulation 24(c) of the National Standards Bodies Regulations of 28 March 1998, the Standards Generating Body (SGB) for

Occupational Health and Safety

registered by Organising Field 09 – Health Sciences and Social Services, publishes the following Qualification and Unit Standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the Qualification and Unit Standards. The full Qualification and Unit Standards can be accessed via the SAQA web-site at www.saga.org.za. Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Qualification and Unit Standards should reach SAQA at the address below and **no later than 17 November 2008**. All correspondence should be marked **Standards Setting – SGB for Occupational Health and Safety** and addressed to

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D. MPHUTHING**ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT**



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:

National Certificate: Occupational Health, Safety and Environment

| SAQA QUAL ID | QUALIFICATION TITLE | | |
|------------------------------------|---|-------------------|-------------------------|
| 64149 | National Certificate: Occupational Health, Safety and Environment | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| QUALIFICATION TYPE | FIELD | SUBFIELD | |
| National Certificate | 9 - Health Sciences and Social Services | Preventive Health | |
| ABET BAND | MINIMUM CREDITS | NQF LEVEL | QUAL CLASS |
| Undefined | 120 | Level 2 | Regular-Unit Stds Based |

This qualification replaces:

| Qual ID | Qualification Title | NQF Level | Min Credits | Replacement Status |
|---------|--|-----------|-------------|---|
| 48804 | National Certificate: Occupational Safety, Hygiene and Environment | Level 2 | 135 | Will occur as soon as 64149 is registered |

PURPOSE AND RATIONALE OF THE QUALIFICATION

Purpose:

This Qualification is to equip learners working in any type of workplace with a broad understanding and knowledge of Occupational Health, Safety and Environmental concepts and practices with sufficient detail to enable them to function in a safe and healthy way and to deal with health and safety problems and issues. It will also contribute to the further development of learners within this environment by providing articulation, recognition and mobility within this dynamic and changing environment.

A learner acquiring this Qualification will be able to:

- > Use verbal and written practices to communicate in the workplace and apply mathematical processes to solve everyday numerical problems.
- > Explain the requirements of current legislation impacting on Health, Safety and environmental issues in the workplace.
- > Recognise, assess and report health and safety hazards and situations in the workplace.
- > Administer various health and safety functions, planning, policy and behaviours in the workplace.

Qualifying learners will be able to show responsibility, and independently and effectively manage themselves in the workplace regarding generic health and safety issues. Learners will be able to identify and evaluate occupational safety, hygiene and environmental factors, in occupational environments, which may have a detrimental effect on health and safety of people in such environments. Learners credited with this Qualification are able to perform essential measurements and functions that promote a culture of health and safety in the workplace.

Rationale:

This Qualification provides learners with opportunities for professional development and career advancement within the broader constituencies of the Health, Safety and Environment community that will contribute to providing better and safer workplace for all people in the Republic of South Africa. It will assist those health and safety professionals who play an increasingly complex and crucial role in ensuring the health and safety of employees have a well-grounded and comprehensive understanding of the key issues that are essential to meet these high demands. It covers the key issues involved at ground level and is designed to cover general health and safety issues with the specifics being incorporated in the Elective category.

In South Africa and internationally, the social and economic impact of occupational safety, hygiene, health, and environment is great. Direct costs that result from poor workplace safety, hygiene, health, and environments include human and economic costs. Indirect costs are also incurred and can include poor morale, poor productivity, downtime, etc. Improved workplace safety, hygiene, health, and environments could influence the South African economy in direct costs alone to the value of millions of Rand each year. This qualification aims to meet the demand for learners that are able to facilitate a safe, healthy and productive occupational environment.

There is a critical need in the industry to recognise learner competence regarding essential operations associated with a healthy, safe and productive working environment. This qualification is the entry level to a career path in one of the areas of specialisation in Occupational Safety, Hygiene and Environment (SHE). It is generic enough to allow maximum mobility within the field of application. Skills, knowledge, values and attitudes (competencies) reflected in the qualification are building blocks towards a NQF Level 4 Qualification.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED IN PLACE

- > Mathematical literacy at NQF Level 1.
- > Communication at NQF Level 1.

Recognition of Prior Learning:

The Qualification can be achieved in whole or part through the Recognition of Prior Learning (RPL). Learners obtaining the whole Qualification through RPL and wishing to be declared competent are required to complete a practical assessment component for the purpose of such recognition. This implies that the Qualification may be granted to learners who have acquired the skills and knowledge without attending formal courses, providing they can demonstrate competence in the outcomes of the individual Unit Standards as required by the Fundamental, Core and Elective components stipulated in the Qualification and by the Exit Level Outcomes.

Learners submitting themselves for RPL should be thoroughly briefed prior to the assessment, and may be required to submit a Portfolio of Evidence (POE) in the prescribed format and/or undergo a workplace assessment to be assessed for formal recognition. While this is primarily a workplace-based Qualification, evidence from other areas of endeavour may be introduced if pertinent to any of the Exit Level Outcomes.

Access to the Qualification:

Access is open to all learners bearing in mind the learning assumed to be in place.

QUALIFICATION RULES

The Qualification is made up of a combination of learning outcomes from Fundamental, Core and Elective components, totalling a minimum of 120 Credits.

Fundamental component:

- > All unit standards to the value of 36 credits are compulsory.

Core component:

- > All unit standards to the value of 64 credits are compulsory.

Elective component:

The Elective component for this Qualification is divided into different specialisations from which the learners may choose. Potential learners will need to select Elective Unit Standards to the value of a minimum of 20 credits from one of these options, depending on the sub-sector of the health, safety or environment field they are employed in or wish to become involved in.

The specialisations are as follows:

Hygiene (42 credits available):

- > Collect water sample for analysis.
- > Conduct routine inspections on percussion rock drills.
- > Demonstrate knowledge of the most common harmful gases and vapours.
- > Demonstrate knowledge pertaining to the prevention and control of the propagation of a coal dust explosion.
- > Describe the need for illumination in a working place.
- > Determine low velocity and volume flow rate of air in a working place by means of the tape and smoke method.
- > Determine the amount of particulate matter in water by means of a turbidimeter.
- > Determine the amount of rock dust in water by means of a Nephelometer.
- > Determine the cooling power and low air velocities by means of a wet kata thermometer.
- > Determine wet and dry bulb temperature by means of a whirling hygrometer and take appropriate action.
- > Issue and Retrieve Personal Monitoring Equipment.
- > Measure barometric pressure by means of electronic and mechanical instruments.
- > Measure compressed air and water pressures by means of a hand held pressure gauge and take appropriate action.
- > Measure illumination levels in a workplace by means of a luxmeter.
- > Test for flammable gases by means of a hand held electronic instrument and take appropriate action.
- > Measure virgin rock temperature.
- > Perform a vision-screening test in the workplace.
- > Sample and evaluate a mixture of coal dust and stone dust.
- > Measure noise levels in a workplace by means of a sound level meter.

Safety (28 credits available):

- > Apply health and safety to a work area.
- > Conduct a continuous risk assessment in a workplace.
- > Conduct health and safety representation activities.
- > Demonstrate basic understanding of the procedure for compensation claims submissions for injuries and occupational diseases.
- > Demonstrate knowledge pertaining to the preparation, conducting, recording and follow-up actions of a planned task observation in a working place.
- > Participate in the establishment, implementation and monitoring of a health and safety agreement.
- > Participate in the implementation and evaluation of a safety and health management programme in the workplace.

- > Take action to address impacts on the environment.

Environment (33 credits available):

- > Collect data for environmental management purposes.
- > Demonstrate knowledge of water cycle, water and waste water systems and processes.
- > Participate in the implementation and evaluation of a environmental management programme in the workplace.
- > Take action to address impacts on the environment.
- > Work with, use and care for materials and resources which can impact on health and the environment.

EXIT LEVEL OUTCOMES

1. Use verbal and written practices to communicate in the workplace and apply mathematical processes to solve everyday numerical problems.
2. Explain the requirements of current legislation impacting on Health, Safety and environmental issues in the workplace.
3. Recognise, assess and report health and safety hazards and situations in the workplace.
4. Administer various health and safety functions, planning, policy and behaviours in the workplace.

Critical Cross-Field Outcomes:

This Qualification addresses the following Critical Cross-Field Outcomes, in the indicated Exit Level Outcomes:

- > Identifying and solving problems in the workplace in the process of dealing with and health and safety hazards and situations and the administration of health and safety functions.
- > Working effectively with others in the maintenance and adherence of health, safety and environmental practices in the workplace.
- > Organising and managing oneself and one's activities responsibly and effectively so that all aspects regarding health, safety and environmental functions and practices are at hand, as and when required, to enhance these in the workplace and in the application of legislation.
- > Collecting, analysing, organising and critically evaluating information pertaining to the application of health, safety and environmental legislation and the implementation of health, safety and environmental practices and functions.
- > Communicating effectively with all the stakeholders who are involved in health, safety and environmental practices and functions.
- > Using science and technology effectively and critically in the preparation and distribution of health, safety and environmental reports.
- > Demonstrating an understanding of the world as a set of related systems through the proper application of systems, policies and procedures related to health, safety and environmental practices and functions.

All of the above contribute to the full personal development of each learner and the social and economic development of society at large by ensuring they participate as responsible citizens in the life of local, national and global communities in terms of health, safety and environmental issues.

ASSOCIATED ASSESSMENT CRITERIA

Associated Assessment Criteria for Exit Level Outcome 1:

1.1 Information from texts, reports and standard operating procedures is practically applied in the workplace in specific health, safety and environmental contexts.

1.2 All communications are addressed and responded to in accordance with the relevant workplace requirements.

1.3 Numerical conversions, calculations and measurements are performed as required in the workplace in specific health, safety and environmental contexts.

1.4 Health and safety signs are interpreted and explained as required by specific worksites.

Associated Assessment Criteria for Exit Level Outcome 2:

2.1 Legislative and regulatory requirements are explained related to Health, Safety and environmental issues.

2.2 The health and safety environment is defined focusing on specific workplace principles and situations.

2.3 The concept of promoting health, safety and environmental issues is explained indicating the roles played by all stakeholders.

Associated Assessment Criteria for Exit Level Outcome 3:

3.1 The consequences of exposure and poor adherence to Health and Safety requirements are described in terms of the impact on people and the organisation.

3.2 Workplace hazards and risk are addressed in accordance with workplace specific health and safety requirements.

3.3 Corrective and/or mitigation measures are taken to deal with workplace hazards and risk in accordance with workplace specific health and safety requirements.

Associated Assessment Criteria for Exit Level Outcome 4:

4.1 Inspections meet specified requirements in line with each specific workplace.

4.2 Administrative functions are performed in accordance with workplace specific health and safety requirements.

4.3 Primary emergency care requirements are met in accordance with workplace specific health and safety requirements.

4.4 Health and safety behaviours are observed in order to ensure compliance by all role-players.

Integrated Assessment:

> Learners may be credited for individual unit standards as and when they can demonstrate that they can achieve the required competencies.

> Workplace experience may be recognised when assessing this qualification.

> A range of formative and summative methods may be used in assessing learners, which may include:

> Written and oral tests/examinations.

> Case studies and assignments.

> Role-play and simulation sessions.

> Written reports/work plans.

> Demonstrations by the learner.

> Research projects.

Formative assessment should be carried out at regular intervals throughout the period of study. It should be offered in an integrated manner where the theoretical and practical components are assessed together to measure learner competence.

Summative assessment is carried out on completion of all learning components required for the Qualification, whether theoretical or practical.

INTERNATIONAL COMPARABILITY

The purpose of this study was to facilitate the development of a meaningful learning path and its associated curriculum incorporating both theoretical and practical vocational skills which will ensure compatibility, comparability and compliance with existing international qualification specifications and regulations.

Training programmes in occupational safety and health (OSH) exist in the SADC region. However a review of these programmes conducted under the auspices of SADC/ELS for Work and Health in Southern Africa (WAHSA), identified that with the exceptions of the Seychelles, South Africa, Zambia and Zimbabwe, no other SADC countries have any specific health and safety training programme in place. From this report it can be understood that there is a lack of capacity in OSH training, and that many courses and topics needed to cover the requirements for OHS professionals in the region are missing. In the process of conducting this international study, it was found that the majority of OHS training was conducted by South African companies in the SADC region. Therefore it was difficult to find any comparisons.

This Qualification was compared with equivalent qualifications from a range of other countries. Countries with similar economies to ours were sourced and a comparison was made with their training and development. The best examples of like qualifications/courses came from Brazil and India.

Countries with established economies were also accessed and chosen for comparison purposes because they offer education and training that is considered to be of high quality in terms of Occupational Health and Safety practices. These countries are the United Kingdom, Australia, United States of America and Canada.

Brazil:

ABEX Training Group:

Course Title: Workplace Safety Procedures (an on-line course):

- > Fundamentals of Working in Safe Workplace.
- > Observe Basic Safety Procedures.
- > Observe Basic Emergency Procedures.
- > Act Responsibility in the Workplace.
- > Safe Lifting and Carrying Techniques.

Onsite Training Services (Approved OPITO Training):

Course Title: Confined Space Entry:

- > Atmospheric Testing.
- > Confined Space Awareness.
- > Working Safely with Hydrogen Sulphide (H₂S).

Course Title: Fire Safety:

- > Fire Warden.
- > Fire Extinguishers Users Course.

Course Title: Health and Safety:

- > Accident/Incident Reporting and Investigation.
- > Abrasive Wheels Regulations.
- > Asbestos Awareness.

- > C.O.S.H.H. Assessor.
- > C.O.S.H.H. Awareness.
- > Fall Arrest Suspension and Rescue Equipment.
- > Hand Arm Vibration Syndrome.
- > Lifting Risks.
- > Manual Handling.
- > Permit to Work.
- > Personal Protective Equipment.
- > Provision and Use of Work Equipment Regulations.
- > Rig Pass.
- > Risk Assessment.
- > Safety Leadership.
- > Safety Management.
- > Safety Observation System.
- > Safety Representatives.
- > Slips, Trips and Falls.

Course Title: Offshore Safety Training Standards (2 day):

- > Manual Handling.
- > Safety Observation Systems.
- > Lifting Risks.
- > Risk Assessment.

India:

PRIA Education: New Delhi:

Course Title: Certificate in Occupational Health and Safety:

- > Introduction to Occupational Health and Safety.
- > Sector Specific Occupational Health and Safety Issues.
- > Socio-economic aspects of Occupational Health and Safety.
- > Health Screening Measures.
- > Basics of Preventative Techniques.
- > Occupational Health and Safety Legislation in India.
- > Participatory Research in Occupational Health.

Nayati International: Andhra Pradesh:

Course Title: Occupational Health, Hygiene and Safety:

- > Preventing and controlling Occupational Diseases and Accidents.
- > Development and Promotion of Healthy and Safe Work and Work Environments.
- > Enhancement of Physical, Mental and Social Well-being of Workers.
- > The Development and Maintenance of Work Capacity.
- > Professional and Social Development at Work.
- > Conduct Socially and Economically Productive Lives.
- > Contribute to Sustainable Development.

United Kingdom:

Institution of Occupational Safety and Health:

Course Title: Working Safely:

- > Introducing Working Safely.
- > Defining Hazard and Risk.
- > Identifying Common Hazards.
- > Improving Safety Performance.
- > Protecting Our Environment.

Course Title: Managing safely:

- > Introducing Managing Safely.
- > Assessing Risks.
- > Controlling Risks.
- > Understanding Your Responsibilities.
- > Identifying Hazards.
- > Investigating Accidents and Incidents.
- > Measuring Performance.
- > Protecting Our Environment.

Saftek:

Course Title: Safety and Health Solutions:

- > Adjusting to Weather Conditions.
- > An Injury-Free Office.
- > Avoiding Falls.
- > Back Injuries.
- > Colour Coding for Safety.
- > Confined Space Precautions.
- > Confined Space Entry.
- > Construction Personal Protective Equipment.
- > Crane and Hoist Safety Practices.
- > Electrical Shock.
- > Disaster and Emergency Preparedness.
- > Emergency Evacuation.
- > Employee Incidents Reporting.
- > Eye Protection/Safety.
- > Facts on Fire Safety.
- > The ABCs of Fire Extinguishers.
- > Fire Prevention.
- > Foul Weather Safety.
- > Fundamentals of Housekeeping.
- > Guard Against Machine Hazards.
- > Hand Tools.
- > Handling Materials Manually.
- > Safe Use of Hand Operated Tools and Equipment/Power Tools.
- > Health Care Material and Patient Moving.
- > Housekeeping in Health Care Facilities.
- > Hidden Hazard Incidents.
- > Job Site Safety.
- > Keep Alert Prevention Falls.
- > Lift Truck and Pedestrian Safety.
- > Office Alive with Hazards.
- > Office Safety.
- > Practical Ergonomics.
- > Practice Fire Prevention.

- > Preventing Falls.
- > Preventing Slips, Trips and Falls.
- > Proper Clothing.
- > Proper Housekeeping.
- > Proper Use of Fire Extinguishers.
- > Protecting Hands and Fingers.
- > Respiratory Protection.
- > Suit Up for Safety.
- > Using Colour for Safety.
- > Varying Degrees of Safety.

British Safety Council:

Course Title: BSC Awards Level 3 Certificate in Occupational Safety and Health:

- > Accidents.
- > Occupational Health Provision.
- > Principles of Health and Safety Law.
- > Health and Safety at Work Act 1974.
- > Office, Penalties and Enforcement.
- > Health and Safety Management.
- > Risk Assessment.
- > Safe Systems of Work.
- > Personal Protective Equipment.
- > Safe Workplace.
- > Fire.
- > Emergency Planning.
- > Electrical Safety.
- > Work Equipment.
- > Occupational Transport.
- > Construction and Demolition.
- > Working at Height.
- > Manual Handling.
- > Mechanical Handling and Lifting Operations.
- > Chemical and Biological Hazards.
- > Display Screen Equipment and Workstations.
- > Group at Particular Risk.
- > Reporting, Recording and Investigating Incidents.
- > Developing a Positive Health and Safety Culture.
- > Protecting the Environment.

Course Title: Principles of Health and Safety:

- > Accidents.
- > International Occupational Health and Safety.
- > Occupational Health Provision.
- > Health and Safety Management.
- > Risk Assessment.
- > Safe Systems of Work.
- > Personal Protective Equipment.
- > Safe Workplace.
- > Health and Safety Monitoring.
- > Health and Safety Policies.

Course Title: Applied Health and Safety:

- > Fire Precautions.
- > Emergency Planning.
- > Electrical Safety.
- > Work Equipment.
- > Workplace Transport.
- > Construction and Demolition.
- > Manual and Mechanical Handling.
- > Display Screen Equipment and Workstations.
- > Substance Safety.
- > Groups at Particular Risk.
- > Reporting, Recording and Investigating Incidents.
- > Developing a Positive Health and Safety Culture.
- > Protecting the Environment.

The Royal Society for the Prevention of Accidents (ROSPA):

Course Title: NEBOSH National Certificate in Construction Safety:

- > Scope of construction.
- > Safe stacking and storage of materials and flammable substances.
- > Main hazards and controls.
- > Management controls and responsibilities.
- > Working above ground level -hazards controls and inspection.
- > Excavations-hazards, controls and inspection requirements.
- > Health hazards, noise, vibration, dust, cement, solvents, cleaners.

Course Title: NEBOSH National General Certificate - Block Route:

- > Provide an understanding of health and safety legislation.
- > Monitor safety performance in the workplace.
- > Investigate accidents.
- > Design and implement safe systems of work and accident prevention programmes.

Safety Media:

Course Title: Manual Handling:

- > Causes of Workplace Accidents.
- > Understanding How to Lift Correctly.
- > Guidance on the Correct Lifting Procedure.
- > Handy Hints on the Do's and Don'ts of Manual Handling.

Course Title: Fire Safety:

- > Correct Procedure Should a Fire Start.
- > Guidance on How Fires Start.
- > How to Prevent Them.

Course Title: Office Safety:

- > Alert Employees to Possible Risks and Hazards in an Office.

Course Title: COSHH:

> Raise Awareness in the Safe Handling and Use of Hazardous Substances.

Course Title: Health and Safety for Managers.

- > Understanding Principles of Health And Safety Management.
- > Knowledge How to Make a Difference in the Workplace.
- > Contribute to the Process of Reducing Loss to Business Through Injuries.
- > Ill Health and Damage Incidents.

Course Title: Health and Safety Induction:

- > Areas within the workplace where they could face danger.

Course Title: Risk Assessment:

- > Range of Hazards.
- > Information on how to Identify a Risk and a Hazard.
- > Conduct a Risk Assessment.

Course Title: Stress in the Workplace:

- > Stress.
- > Anxiety.
- > Depression.
- > Risks Stress can Cause.

Course Title: Working at Height:

- > Risk Activity.
- > Fatalities.
- > Work Safely.
- > Follow safe working.

Australia:

National Safety Council of Australia (NSCA):

Course Title: Diploma of Occupational Health and Safety:

- > A Knowledge of the Current OHS Act and Regulations.
- > Codes of Practice and Standards.
- > Consequences of Exposure to Health Hazards at Work.
- > An Understanding of The Skills to Recognise, Evaluate and Manage Health and Safety Hazards in the Workplace.
- > An Understanding of the Skills to Administer Various Occupational Health and Safety Functions, Planning, Policy Development and Ethics.

Course Title: Certificate IV In Occupational Health and Safety:

- > Implement and Support the OHS Management Systems.
- > Prepare Workplace Personnel for Dealing with OHS Issues.
- > Ensure Legislative Requirements are Applied.
- > Implement OHS Initiatives and Processes.
- > Organisational OHS Goals and Objectives.

United State of America:

American Safety and Health Institute:

Course Title: CPR Pro for the Professional Rescuer:

- > Introduction.
- > Heart Disease and Stroke.
- > Emergency Action Steps.
- > Special Considerations.

Course Title: CPR and AED:

- > Introduction.
- > Heart Disease and Stroke.
- > Emergency Action Steps.
- > Special Considerations.

Course Title: Emergency Oxygen Administration:

- > Assemble an Emergency Oxygen System.
- > Turn an Emergency Oxygen System on and off and Determine if Oxygen is Flowing.
- > How to Safely and Correctly Integrate use of Emergency Oxygen when Attending to a Responsive Victim who is Breathing.
- > How to Safely and Correctly Integrate use of Emergency Oxygen when Attending to an Unresponsive Victim who is not Breathing (May be Integrated into CPR Performance Evaluation).

Course Title: Basic First Aid for the Community and Workplace:

- > Demonstrate Proper Removal of Contaminated Gloves.
- > Perform the Emergency Action Steps for an Unresponsive and a Responsive Victim.
- > Place an Unresponsive Breathing Victim in a Recovery Position.
- > Control Severe Bleeding and Manage Shock.
- > Manually Stabilise an Injured Limb.
- > Manually Stabilise a Suspected Spinal Injury.

Course Title: Blood borne Pathogens:

- > Introduction.
- > Blood borne Pathogens.
- > Safety and Prevention in the Workplace.
- > Exposure Incidents and Follow Up.

Course Title: Emergency Medical Response for Adults in the Workplace:

- > Introduction.
- > Emergency Response.
- > Bleeding, Shock, and Soft Tissue Injuries.
- > Bone, Joint and Muscle Injuries.
- > Sudden Illness.
- > Heat- and Cold-Related Illness and Injury.

Course Title: Advanced Cardiac Life Support:

- > Emergency Care for Respiratory/Cardiac Arrest.

> Management of the Patient with a Pulse.

Course Title: Paediatric Advanced Life Support: (PALS):

- > Emergency Personnel in Intensive Care or Critical Care Departments.
- > Emergency Medical Providers Responsible for the Well-Being of Infants and Children.
- > Provide Healthcare Professionals with Didactic and Psychomotor Skills Training.
- > Recognition and Treatment of Conditions that May Lead to a Cardiopulmonary Arrest in an Infant or Child.
- > Incorporates Both Pre-Hospital and Hospital Management of Paediatric Emergencies.

Course Title: Child and Babysitting Safety (CABS) [interim version]:

- > Demonstrate Proper Hand Washing Technique with Soap and Water or an Alcohol-Based Hand Rub.
- > Demonstrate the Proper Method for Changing Diapers.
- > Demonstrate the Steps to Manage Choking in a Responsive Infant and Child.
- > Demonstrate How to Control Severe Bleeding.
- > Demonstrate How to Perform Spinal Motion Restriction.

National Environmental, Safety and Health Training Association (NESHTA):

Course Title: Certified Environmental, Safety and Health Trainer (CET):

- > Accident Prevention and Hazard Awareness.
- > Industrial Hygiene.
- > Personal Protective Equipment.
- > Emergency Response.
- > Regulatory Standards.
- > Fire Prevention/Protection.

Canada:

Industrial Accidental Prevention Association (IAPA):

Course Title: Health and Safety Solutions:

- > Health Safety and the Law.
- > Workplace Safety.
- > Workplace Inspections.
- > Workplace Health.
- > Accident Investigations.
- > Joint Health and Safety Committees.

Bright Training and Safety Wear:

Course Title: Joint Health Safety Committee Certification Training:

- > Joint Health and Safety Committee Members.
- > Accident Investigations and Injury Prevention.
- > Pedestrian Safety.
- > Blood borne Pathogens Training.
- > Emergency Preparedness.
- > Transportation of Dangerous Goods.
- > Hazard Identification.

- > Risk Management.
- > Machine Guarding.
- > Ergonomics Training.
- > Fall and Arrest.

Course Title: Industrial Equipment:

- > Industrial Forklift Training.
- > Lift Truck Training Operator Evaluation.
- > Propane Handling.
- > Overhead Crane/Sling Operator.
- > Confined Entry Space Awareness.
- > Lockout, Tagout/Power Presses.
- > OSHA Standards Lock Out Tag Out.
- > Entrapment Rescue.
- > Hazardous Materials.
- > Environmental Spills Training.
- > Aerial Platform.
- > Punch Press Operator Course.
- > Low Lift Pallet Truck.
- > Improving Safety Performance.
- > Protecting Our Environment.

Conclusion:

The United Kingdom seems to show best practice through its strictness in the observance of health and safety practices and in the provision of training and development in this field. The National Certificate: Occupational Health, Safety and Environment, NQF Level 2, compares favourably with the courses offered in the United Kingdom. Differences in training in South Africa are created through the need to comply with South African legislative requirements. Training in the area of OHS in South Africa has shown to be in demand in several countries of the SADC region and further afield in sub-Saharan Africa.

ARTICULATION OPTIONS

Horizontally, this Qualification articulates with:

- > ID 61689: National Certificate: Community Water, Health and Sanitation Promotion, NQF Level 2.
- > ID 49085: National Certificate: Fundamental Ancillary Health Care, NQF Level 2.
- > ID 49605: National Certificate: Environmental Practice, NQF Level 2.

Vertically, this Qualification articulates with:

- > ID 50062: National Certificate: Occupational Hygiene and Safety, NQF Level 3.
- > ID 49128: National Certificate: Community Health Work, NQF Level 3.
- > ID 49752: National Certificate: Environmental Practice, NQF Level 3.

MODERATION OPTIONS

> Anyone assessing a learner or moderating the assessment of a learner against this Qualification must be registered as an assessor with the relevant ETQA or ETQA that has a Memorandum of Understanding in place with the relevant ETQA.

> Any institution offering learning that will enable the achievement of this Qualification must be accredited as a provider with the relevant ETQA or ETQA that has a Memorandum of Understanding in place with the relevant ETQA.

> Moderation must include both internal and external moderation of assessments at exit points of the Qualification, unless ETQA policies specifies otherwise. Moderation should also encompass achievement of the competence described both in individual Unit Standards, Exit Level Outcomes as well as the integrated competence described in the Qualification.

> Anyone wishing to be assessed against this Qualification may apply to be assessed by any assessment agency, assessor or provider institution that is accredited by the relevant ETQA or ETQA that has a Memorandum of Understanding in place with the relevant ETQA.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

For an applicant to register as an assessor, the applicant should:

- > Be registered as an assessor with the relevant ETQA or an ETQA that has a memorandum of understanding with the relevant ETQA.
- > Be in possession of a relevant Qualification at NQF Level 4 or higher.

NOTES

This qualification replaces qualification 48804, "National Certificate: Occupational Safety, Hygiene and Environment", Level 2, 135 credits.

UNIT STANDARDS

| | ID | UNIT STANDARD TITLE | LEVEL | CREDITS |
|-------------|--------|---|---------|---------|
| Fundamental | 119463 | Access and use information from texts | Level 2 | 5 |
| Fundamental | 9009 | Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems | Level 2 | 3 |
| Fundamental | 7480 | Demonstrate understanding of rational and irrational numbers and number systems | Level 2 | 3 |
| Fundamental | 9008 | Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts | Level 2 | 3 |
| Fundamental | 119454 | Maintain and adapt oral/signed communication | Level 2 | 5 |
| Fundamental | 119460 | Use language and communication in occupational learning programmes | Level 2 | 5 |
| Fundamental | 7469 | Use mathematics to investigate and monitor the financial aspects of personal and community life | Level 2 | 2 |
| Fundamental | 9007 | Work with a range of patterns and functions and solve problems | Level 2 | 5 |
| Fundamental | 119456 | Write/present for a defined context | Level 2 | 5 |
| Core | 259602 | Describe sources of and control measures for noise in a work place | Level 1 | 2 |
| Core | 119554 | Apply environmental management tools to assess impacts | Level 2 | 5 |
| Core | 259617 | Conduct an investigation into workplace safety, health and environmental incidents | Level 2 | 3 |
| Core | 259619 | Conduct workplace Occupational Health and Safety (OHS) inspections | Level 2 | 3 |
| Core | 259624 | Control workplace hazards and risks | Level 2 | 4 |
| Core | 259609 | Demonstrate an understanding of Occupational Hygiene | Level 2 | 9 |
| Core | 259639 | Demonstrate an understanding of basic health and safety principles in and around the workplace | Level 2 | 4 |
| Core | 259618 | Examine refuge bays/places of safety | Level 2 | 2 |
| Core | 259597 | Explain emergency preparedness and response procedures | Level 2 | 3 |
| Core | 259621 | Manage the prevention of fatigue in the workplace | Level 2 | 3 |
| Core | 259620 | Manoeuvre materials safely by hand in a workplace | Level 2 | 2 |
| Core | 12484 | Perform basic fire fighting | Level 2 | 4 |
| Core | 120496 | Provide risk-based primary emergency care/first aid in the workplace | Level 2 | 5 |
| Core | 116937 | Use a Graphical User Interface (GUI)-based spreadsheet application to create and edit spreadsheets | Level 2 | 4 |

| | ID | UNIT STANDARD TITLE | LEVEL | CREDITS |
|----------|--------|---|---------|---------|
| Core | 117924 | Use a Graphical User Interface (GUI)-based word processor to format documents | Level 2 | 5 |
| Core | 116945 | Use electronic mail to send and receive messages | Level 2 | 2 |
| Core | 259604 | Verify compliance to safety, health and environmental requirements in the workplace | Level 2 | 4 |
| Elective | 259598 | Describe the need for illumination in a work place | Level 1 | 2 |
| Elective | 9964 | Apply health and safety to a work area | Level 2 | 3 |
| Elective | 259606 | Conduct routine inspections on percussion rock drills | Level 2 | 2 |
| Elective | 259610 | Demonstrate basic understanding of the procedure for submission of compensation claims for injuries and occupational diseases | Level 2 | 2 |
| Elective | 246463 | Demonstrate knowledge of water cycle, water and wastewater systems and processes | Level 2 | 5 |
| Elective | 259622 | Describe the functions of the workplace health and safety representative | Level 2 | 3 |
| Elective | 259603 | Determine low velocity and volume flow rate of air | Level 2 | 2 |
| Elective | 259605 | Determine the amount of particulate matter in water using a turbidimeter | Level 2 | 2 |
| Elective | 259608 | Explain the prevention and control of the propagation of a coal dust explosion | Level 2 | 5 |
| Elective | 259607 | Handle water samples for analysis | Level 2 | 2 |
| Elective | 259638 | Issue and Retrieve Personal Monitoring Equipment | Level 2 | 2 |
| Elective | 259642 | Measure barometric pressure using electronic and/or mechanical instruments | Level 2 | 2 |
| Elective | 259640 | Measure compressed air and/or water pressure using a hand held pressure gauge | Level 2 | 2 |
| Elective | 259625 | Measure cooling power and low air velocity by using a wet Kata thermometer | Level 2 | 2 |
| Elective | 259627 | Measure illumination levels in a workplace using a Luxmeter | Level 2 | 2 |
| Elective | 259657 | Measure virgin rock temperature | Level 2 | 2 |
| Elective | 259623 | Measure wet and dry bulb temperature by using a whirling Hygrometer | Level 2 | 2 |
| Elective | 259599 | Participate in the establishment, implementation and monitoring of a health and safety agreement | Level 2 | 2 |
| Elective | 259600 | Participate in the implementation and evaluation of an environmental management programme in the workplace | Level 2 | 2 |
| Elective | 259601 | Participate in the implementation and evaluation of a safety and health management programme in the workplace | Level 2 | 2 |
| Elective | 259658 | Sample and evaluate a mixture of coal dust and stone dust | Level 2 | 3 |
| Elective | 119553 | Take action to address impacts on the environment | Level 2 | 10 |
| Elective | 259637 | Test for flammable gases using a hand held electronic instrument and take appropriate action | Level 2 | 2 |
| Elective | 119558 | Work with, use and care for materials and resources which can impact on health and the environment | Level 2 | 10 |
| Elective | 119822 | Collect data for environmental management purposes | Level 3 | 8 |
| Elective | 120330 | Conduct a continuous risk assessment in a workplace | Level 3 | 4 |
| Elective | 244422 | Demonstrate knowledge of the most common harmful gases and vapours | Level 3 | 4 |
| Elective | 120337 | Demonstrate knowledge pertaining to the preparation, conducting, recording and follow-up actions of a planned task observation in a working place | Level 3 | 2 |
| Elective | 259641 | Determine the quantity of rock dust in water using a Nephelometer | Level 3 | 3 |
| Elective | 259626 | Measure noise levels in a workplace using a sound level meter | Level 3 | 2 |

LEARNING PROGRAMMES RECORDED AGAINST THIS QUALIFICATION

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Explain emergency preparedness and response procedures

| SAQA US ID | | UNIT STANDARD TITLE | |
|---|--------------------|--|---------|
| 259597 | | Explain emergency preparedness and response procedures | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 3 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------|--|-----------|---------|--|
| 13222 | Deal with safety, health and environmental emergencies in the workplace | Level 2 | 4 | Will occur as soon as 259597 is registered |
| 116533 | Demonstrate basic knowledge and understanding of emergency preparedness and response | Level 2 | 2 | Will occur as soon as 259597 is registered |

SPECIFIC OUTCOME 1

Explain different types of emergencies that may be encountered in a workplace.

SPECIFIC OUTCOME 2

Explain various responses to an alarm.

SPECIFIC OUTCOME 3

Explain actions required of a safety officer in an assembly area.

SPECIFIC OUTCOME 4

Explain the functions of an emergency control centre.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-------|---|---------|
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:*Describe the need for illumination in a work place*

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|-----------|---------|
| 259598 | Describe the need for illumination in a work place | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 1 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------|---|-----------|---------|--|
| 119813 | Describe the need for illumination in a working place | Level 1 | 1 | Will occur as soon as 259598 is registered |

SPECIFIC OUTCOME 1

Explain requirements pertaining to illumination in a work place.

SPECIFIC OUTCOME 2

Describe the effects of poor illumination on the individual.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Participate in the establishment, implementation and monitoring of a health and safety agreement

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|------------------|----------------|
| 259599 | Participate in the establishment, implementation and monitoring of a health and safety agreement | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------------|--|------------------|----------------|--|
| 115097 | Participate in the establishment, implementation and monitoring of a health and safety agreement | Level 2 | 2 | Will occur as soon as 259599 is registered |

SPECIFIC OUTCOME 1

Explain the specific requirements for participating in the establishment, implementation and monitoring of Health and Safety Agreements.

SPECIFIC OUTCOME 2

Participate in the negotiation of a Health and Safety Agreement.

SPECIFIC OUTCOME 3

Monitor and control the implementation of a Health and Safety Agreement.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-----------|---|--------------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Participate in the implementation and evaluation of a environmental management programme in the workplace

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|-----------|---------|
| 259600 | Participate in the implementation and evaluation of a environmental management programme in the workplace | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------------|---|------------------|----------------|--|
| 119355 | Participate in the development, implementation and evaluation of a safety, health and environmental management programme in the workplace | Level 2 | 2 | Will occur as soon as 259600 is registered |

SPECIFIC OUTCOME 1

Explain the requirements for the implementation of a environmental management programme in the workplace.

SPECIFIC OUTCOME 2

Implement the procedures for evaluating environmentally friendly performance in a workplace, in compliance with environmental management programme.

SPECIFIC OUTCOME 3

Evaluate performance of workplace safety activities required by the environmental management programme.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-----------|---|--------------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Participate in the implementation and evaluation of a safety and health management programme in the workplace

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|-------------------|---------|
| 259601 | Participate in the implementation and evaluation of a safety and health management programme in the workplace | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------|---|-----------|---------|--|
| 119355 | Participate in the development, implementation and evaluation of a safety, health and environmental management programme in the workplace | Level 2 | 2 | Will occur as soon as 259601 is registered |

SPECIFIC OUTCOME 1

Explain the requirements for the implementation of a safety and health management programme in the workplace.

SPECIFIC OUTCOME 2

Implement the procedures for evaluating safety and health performance in a workplace, as required by the safety and health management programme.

SPECIFIC OUTCOME 3

Evaluate performance of workplace safety activities required by the safety and health management programme.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:*Describe sources of and control measures for noise in a work place*

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|-----------|---------|
| 259602 | Describe sources of and control measures for noise in a work place | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 1 | 2 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the specified requirements pertaining to noise exposure in a work place.

SPECIFIC OUTCOME 2

Describe the various sources of noise in a work place.

SPECIFIC OUTCOME 3

Describe the personal protective measures that can be taken against exposure to noise.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-------|---|---------|
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Determine low velocity and volume flow rate of air***

| SAQA US ID | | UNIT STANDARD TITLE | |
|---|--------------------|--|---------|
| 259603 | | Determine low velocity and volume flow rate of air | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Describe the requirements pertaining to determining the velocity and volume flow rate of air.

SPECIFIC OUTCOME 2

Prepare to determine air velocity.

SPECIFIC OUTCOME 3

Calculate air velocity.

SPECIFIC OUTCOME 4

Perform post measurement activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Verify compliance to safety, health and environmental requirements in the workplace

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|------------------|----------------|
| 259604 | Verify compliance to safety, health and environmental requirements in the workplace | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 4 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------------|--|------------------|----------------|--|
| 115091 | Monitor compliance to safety, health and environmental requirements in a workplace | Level 2 | 2 | Will occur as soon as 259604 is registered |
| 116520 | Apply safety, health and environmental principles and procedures in a workplace | Level 2 | 2 | Will occur as soon as 259604 is registered |

SPECIFIC OUTCOME 1

Explain the safety, health and environmental requirements applicable in a specific workplace.

SPECIFIC OUTCOME 2

Monitor workplace compliance to safety, health and environmental requirements against specified requirements.

SPECIFIC OUTCOME 3

Evaluate performance of workplace safety activities required by safety, health and environmental management programmes.

SPECIFIC OUTCOME 4

Remedy workplace non-compliance to and non-performance of safety, health and environmental requirements and programmes.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-----------|---|--------------|
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Determine the amount of particulate matter in water using a turbidimeter***

| SAQA US ID | | UNIT STANDARD TITLE | |
|---|--------------------|--|---------|
| 259605 | | Determine the amount of particulate matter in water using a turbidimeter | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Describe requirements pertaining to measuring the amount of particulate matter in water.

SPECIFIC OUTCOME 2

Prepare to measure the amount of particulate matter in water.

SPECIFIC OUTCOME 3

Measure the amount of particulate matter in the water.

SPECIFIC OUTCOME 4

Perform post-measuring activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Conduct routine inspections on percussion rock drills***

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|-----------|---------|
| 259606 | Conduct routine inspections on percussion rock drills | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------|---|-----------|---------|--|
| 116517 | Conduct routine inspections on percussion rock drills | Level 2 | 2 | Will occur as soon as 259606 is registered |

SPECIFIC OUTCOME 1

Describe the inspection process of a percussion rock drill.

SPECIFIC OUTCOME 2

Prepare to conduct an inspection.

SPECIFIC OUTCOME 3

Inspect percussion rock drill.

SPECIFIC OUTCOME 4

Perform post inspection activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Handle water samples for analysis***

| | | | |
|---|-----------------------------------|-------------------|----------------|
| SAQA US ID | UNIT STANDARD TITLE | | |
| 259607 | Handle water samples for analysis | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------------|-----------------------------------|------------------|----------------|--|
| 115107 | Collect water sample for analysis | Level 2 | 2 | Will occur as soon as 259607 is registered |

SPECIFIC OUTCOME 1

Describe specified requirements pertaining to collecting water samples.

SPECIFIC OUTCOME 2

Prepare to take samples.

SPECIFIC OUTCOME 3

Conduct water sampling.

SPECIFIC OUTCOME 4

Perform post-sampling activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-----------|---|--------------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Explain the prevention and control of the propagation of a coal dust explosion***

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|-----------|---------|
| 259608 | Explain the prevention and control of the propagation of a coal dust explosion | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 5 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the requirements pertaining to the use of stone dust.

SPECIFIC OUTCOME 2

Explain requirements for sampling a coal and stone dust mixture.

SPECIFIC OUTCOME 3

Explain analysis requirements for coal and stone dust mixtures.

SPECIFIC OUTCOME 4

Explain requirements for the installation of explosion barriers.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Demonstrate an understanding of Occupational Hygiene***

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|-----------|---------|
| 259609 | Demonstrate an understanding of Occupational Hygiene | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 9 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the concept of Occupational Hygiene.

SPECIFIC OUTCOME 2

Describe recognised environmental factors which influence the workplace.

SPECIFIC OUTCOME 3

Explain the control of factors influencing occupational hygiene conditions in the working place.

SPECIFIC OUTCOME 4

Explain how to deal with abnormal occupational hygiene conditions in the working place.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-------|---|---------|
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Demonstrate basic understanding of the procedure for submission of compensation claims for injuries and occupational diseases

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|-----------|---------|
| 259610 | Demonstrate basic understanding of the procedure for submission of compensation claims for injuries and occupational diseases | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------------|---|------------------|----------------|--|
| 116503 | Completion of Compensation Commissioner documentation for Occupational Injuries and Diseases | Level 2 | 3 | Will occur as soon as 259610 is registered |
| 116508 | Demonstrate basic understanding of the procedure for compensation claims submissions for occupational injuries and diseases | Level 1 | 2 | Will occur as soon as 259610 is registered |

SPECIFIC OUTCOME 1

Provide an overview of current, relevant legislation pertaining to compensation for occupational injuries and diseases.

SPECIFIC OUTCOME 2

Describe the compensation procedure for occupational injuries and diseases.

SPECIFIC OUTCOME 3

Complete Compensation Commissioner documentation for occupational injuries and diseases.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-----------|---|--------------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Conduct an investigation into workplace safety, health and environmental incidents

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|-----------|---------|
| 259617 | Conduct an investigation into workplace safety, health and environmental incidents | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 3 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------------|--|------------------|----------------|--|
| 115087 | Conduct a preliminary incident investigation into workplace health, safety and environmental incidents | Level 2 | 2 | Will occur as soon as 259617 is registered |

SPECIFIC OUTCOME 1

Describe requirements for workplace safety, health and environment incident investigation.

SPECIFIC OUTCOME 2

Gather information for workplace safety, health and environment incident investigations.

SPECIFIC OUTCOME 3

Conduct post investigation activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-----------|---|--------------|
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Examine refuge bays/places of safety***

| | | | |
|---|--------------------------------------|-------------------|----------------|
| SAQA US ID | UNIT STANDARD TITLE | | |
| 259618 | Examine refuge bays/places of safety | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------------|---|------------------|----------------|--|
| 116513 | Examine refuge bays to ensure they are life sustainable | Level 2 | 1 | Will occur as soon as 259618 is registered |

SPECIFIC OUTCOME 1

Describe the specified requirements pertaining to the examination of refuge bays/places of safety.

SPECIFIC OUTCOME 2

Examine refuge bays/places of safety.

SPECIFIC OUTCOME 3

Perform post examination activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-----------|---|--------------|
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Conduct workplace Occupational Health and Safety (OHS) inspections

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|-----------|---------|
| 259619 | Conduct workplace Occupational Health and Safety (OHS) inspections | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 3 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------|-------------------------------------|-----------|---------|--|
| 115101 | Address workplace hazards and risks | Level 2 | 4 | Will occur as soon as 259619 is registered |

SPECIFIC OUTCOME 1

Explain the relevant legal requirements to conduct Occupational Health and Safety (OHS) inspections.

SPECIFIC OUTCOME 2

Plan Occupational Health and Safety (OHS) inspections.

SPECIFIC OUTCOME 3

Conduct inspections to identify non-compliance in the workplace.

SPECIFIC OUTCOME 4

Report on Occupational Health and Safety (OHS) inspections.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-------|---|---------|
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Manoeuvre materials safely by hand in a workplace***

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|------------------|----------------|
| 259620 | Manoeuvre materials safely by hand in a workplace | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------------|--|------------------|----------------|--|
| 119568 | Demonstrate basic occupational health and knowledge pertaining to the principles of handling of materials in a workplace | Level 1 | 1 | Will occur as soon as 259620 is registered |

SPECIFIC OUTCOME 1

Describe the materials which may be safely manoeuvred by hand.

SPECIFIC OUTCOME 2

Describe the occupational health and safety requirements for the safe manual manoeuvring of materials in a workplace.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-----------|---|--------------|
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Manage the prevention of fatigue in the workplace

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|-----------|---------|
| 259621 | Manage the prevention of fatigue in the workplace | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 3 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Identify the causes of fatigue.

SPECIFIC OUTCOME 2

Describe means of preventing fatigue.

SPECIFIC OUTCOME 3

Manage the treatment of fatigue.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-------|---|---------|
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:*Describe the functions of the workplace health and safety representative*

| | | | |
|---|--|-------------------|----------------|
| SAQA US ID | UNIT STANDARD TITLE | | |
| 259622 | Describe the functions of the workplace health and safety representative | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 3 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------|---|-----------|---------|--|
| 116518 | Conduct safety and health representation activities | Level 2 | 3 | Will occur as soon as 259622 is registered |

SPECIFIC OUTCOME 1

Describe the framework of workplace health and safety legislation pertaining to health and safety representatives.

SPECIFIC OUTCOME 2

Explain the specified requirements to conduct safety, health and environmental representation activities at a working place.

SPECIFIC OUTCOME 3

Address safety, health and environment related issues within the scope of authority.

SPECIFIC OUTCOME 4

Comply with the activities within safety, health and environmental structures.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Measure wet and dry bulb temperature by using a whirling Hygrometer***

| SAQA US ID | | UNIT STANDARD TITLE | |
|---|--------------------|---|---------|
| 259623 | | Measure wet and dry bulb temperature by using a whirling Hygrometer | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Describe the specified requirements to measure thermal conditions.

SPECIFIC OUTCOME 2

Prepare to determine thermal conditions.

SPECIFIC OUTCOME 3

Determine and record thermal conditions and take appropriate action.

SPECIFIC OUTCOME 4

Perform post measurement activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:**Control workplace hazards and risks**

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|-------------------------------------|-----------|---------|
| 259624 | Control workplace hazards and risks | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 4 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------|--|-----------|---------|--|
| 115093 | Control workplace hazardous substances | Level 3 | 4 | Will occur as soon as 259624 is registered |

SPECIFIC OUTCOME 1

Explain the governance of workplace hazardous substances.

SPECIFIC OUTCOME 2

Explain material safety data sheets (MSDS) for hazardous substances in the workplace.

SPECIFIC OUTCOME 3

Explain risks associated with workplace hazardous substances.

SPECIFIC OUTCOME 4

Control workplace hazardous substances.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-------|---|---------|
| Core | 64190 | National Certificate: Metals Production | Level 3 |
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Measure cooling power and low air velocity by using a wet Kata thermometer

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|-----------|---------|
| 259625 | Measure cooling power and low air velocity by using a wet Kata thermometer | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate knowledge of wet Kata thermometer measurements.

SPECIFIC OUTCOME 2

Prepare to measure cooling power.

SPECIFIC OUTCOME 3

Measure cooling power and determine low air velocities.

SPECIFIC OUTCOME 4

Post-measuring activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Measure noise levels in a workplace using a sound level meter***

| SAQA US ID | | UNIT STANDARD TITLE | |
|---|---------------------------|---|----------------|
| 259626 | | Measure noise levels in a workplace using a sound level meter | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 3 | 2 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate knowledge of measuring sound levels.

SPECIFIC OUTCOME 2

Prepare to measure.

SPECIFIC OUTCOME 3

Measure sound levels.

SPECIFIC OUTCOME 4

Perform post-measuring activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-----------|---|--------------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Measure illumination levels in a workplace using a Luxmeter

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|-----------|---------|
| 259627 | Measure illumination levels in a workplace using a Luxmeter | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate knowledge of the measurement of illumination levels.

SPECIFIC OUTCOME 2

Prepare to measure illumination levels.

SPECIFIC OUTCOME 3

Measure illumination levels.

SPECIFIC OUTCOME 4

Perform post-measuring activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Test for flammable gases using a hand held electronic instrument and take appropriate action

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|-------------------|---------|
| 259637 | Test for flammable gases using a hand held electronic instrument and take appropriate action | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Describe the specified requirements for the testing for flammable gases.

SPECIFIC OUTCOME 2

Prepare to test.

SPECIFIC OUTCOME 3

Test for flammable gases and take appropriate action.

SPECIFIC OUTCOME 4

Perform post-testing activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Issue and Retrieve Personal Monitoring Equipment***

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|------------------|----------------|
| 259638 | Issue and Retrieve Personal Monitoring Equipment | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------------|--|------------------|----------------|--|
| 115096 | Issue and retrieve personal monitoring equipment | Level 1 | 1 | Will occur as soon as 259638 is registered |

SPECIFIC OUTCOME 1

Demonstrate knowledge of occupational hygiene hazards legislation and company policies.

SPECIFIC OUTCOME 2

Explain the requirements pertaining to personal monitoring equipment.

SPECIFIC OUTCOME 3

Issue personal monitoring equipment.

SPECIFIC OUTCOME 4

Retrieve personal monitoring equipment.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-----------|---|--------------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Demonstrate an understanding of basic health and safety principles in and around the workplace

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|--|------------------|----------------|
| 259639 | Demonstrate an understanding of basic health and safety principles in and around the workplace | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 4 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------------|--|------------------|----------------|--|
| 116527 | Demonstrate knowledge pertaining to basic health and safety principles in and around a workplace | Level 1 | 2 | Will occur as soon as 259639 is registered |

SPECIFIC OUTCOME 1

Explain both employer and employee duties with regard to occupational safety and health in the workplace.

SPECIFIC OUTCOME 2

Explain the general safety rules in the workplace.

SPECIFIC OUTCOME 3

Explain the use and application of Personal Protective Equipment in the workplace.

SPECIFIC OUTCOME 4

Explain good housekeeping in the workplace.

SPECIFIC OUTCOME 5

Explain and apply emergency procedures in the workplace.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|------|-----------|---|--------------|
| Core | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Measure compressed air and/or water pressure using a hand held pressure gauge***

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|-----------|---------|
| 259640 | Measure compressed air and/or water pressure using a hand held pressure gauge | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate knowledge to measure compressed air and/or water pressure.

SPECIFIC OUTCOME 2

Prepare to measure.

SPECIFIC OUTCOME 3

Measure compressed air and/or water Pressure.

SPECIFIC OUTCOME 4

Perform post-measuring activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-----------|---|--------------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Determine the quantity of rock dust in water using a Nephelometer***

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|-----------|---------|
| 259641 | Determine the quantity of rock dust in water using a Nephelometer | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 3 | 3 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Demonstrate knowledge of the requirements to determine the amount of rock dust in water.

SPECIFIC OUTCOME 2

Prepare to determine the amount of rock dust in water.

SPECIFIC OUTCOME 3

Determine the amount of rock dust in the water.

SPECIFIC OUTCOME 4

Perform post-measuring activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Measure barometric pressure using electronic and/or mechanical instruments***

| SAQA US ID | | UNIT STANDARD TITLE | |
|---|--------------------|--|---------|
| 259642 | | Measure barometric pressure using electronic and/or mechanical instruments | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard does not replace any other unit standard and is not replaced by another unit standard.

SPECIFIC OUTCOME 1

Explain the specified requirements to measure of barometric pressure.

SPECIFIC OUTCOME 2

Prepare to measure.

SPECIFIC OUTCOME 3

Measure barometric pressure.

SPECIFIC OUTCOME 4

Perform post-measuring activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Measure virgin rock temperature

| | | | |
|---|---------------------------------|-------------------|----------------|
| SAQA US ID | UNIT STANDARD TITLE | | |
| 259657 | Measure virgin rock temperature | | |
| ORIGINATOR | | PROVIDER | |
| SGB Occupational Health and Safety | | | |
| FIELD | | SUBFIELD | |
| 9 - Health Sciences and Social Services | | Preventive Health | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 2 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------|---------------------------------|-----------|---------|--|
| 115089 | Measure virgin rock temperature | Level 2 | 2 | Will occur as soon as 259657 is registered |

SPECIFIC OUTCOME 1

Demonstrate an understanding pertaining to the measuring of virgin rock temperatures.

SPECIFIC OUTCOME 2

Prepare to measure virgin rock temperatures.

SPECIFIC OUTCOME 3

Measure virgin rock temperatures.

SPECIFIC OUTCOME 4

Carry out post-measuring activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

Sample and evaluate a mixture of coal dust and stone dust

| SAQA US ID | UNIT STANDARD TITLE | | |
|---|---|-----------|---------|
| 259658 | Sample and evaluate a mixture of coal dust and stone dust | | |
| ORIGINATOR | PROVIDER | | |
| SGB Occupational Health and Safety | | | |
| FIELD | SUBFIELD | | |
| 9 - Health Sciences and Social Services | Preventive Health | | |
| ABET BAND | UNIT STANDARD TYPE | NQF LEVEL | CREDITS |
| Undefined | Regular | Level 2 | 3 |

This unit standard replaces:

| US ID | Unit Standard Title | NQF Level | Credits | Replacement Status |
|--------|---|-----------|---------|--|
| 115103 | Sample and evaluate a mixture of coal dust and stone dust | Level 2 | 3 | Will occur as soon as 259658 is registered |

SPECIFIC OUTCOME 1

Demonstrate an understanding of the specified requirements pertaining to the sampling of a mixture of coal dust and stone dust.

SPECIFIC OUTCOME 2

Prepare to sample coal dust and stone dust.

SPECIFIC OUTCOME 3

Collect coal dust and stone dust samples.

SPECIFIC OUTCOME 4

Evaluate coal dust and stone dust samples.

SPECIFIC OUTCOME 5

Perform post inspection activities.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

| | ID | QUALIFICATION TITLE | LEVEL |
|----------|-------|---|---------|
| Elective | 64149 | National Certificate: Occupational Health, Safety and Environment | Level 2 |