

**MQA UNDERGROUND SKILLS PROGRAM – MQA/SP/0173/17**

<b>SAQA US ID</b>	244422			<b>CORE</b>	
<b>Unit Standard Title</b>	Demonstrate knowledge of the most common harmful gases and vapours				
<b>NQF Level</b>	03	<b>SGB</b>	Mining and Minerals		
<b>Credits</b>	4	<b>Notional Hours</b>		40	
<b>Duration</b>	<b>Candidate</b>	<b>Knowledge</b>	<b>Practical</b>	<b>Workplace</b>	
	<b>Novice</b>	2 days	1 day	N/A	
	<b>RPL (Re-fresher)</b>	1 day	1 day	N/A	
	<b>Re-certification</b>	½ day	½ day	N/A	
<b>Ratio of candidates to assessor</b>	20:1		20:1		N/A

**NOTE: MQA SKILLS PROGRAM RULES BEFORE A SOR (Statement of Results) CAN BE ISSUED:**

- All Cores need to be completed
- At least 1 Elective with a minimum of 7 Credits from the Elective Unit Standard

<b><u>PURPOSE OF THE COURSE</u></b>	<b><u>PRE-REQUISITES</u></b>
This unit standard will be useful to people who have responsibility for the identification of and dealing with rock strata conditions within an underground working place	<ul style="list-style-type: none"> <li>• The ability to read and write at ABET 3 level or equivalent</li> <li>• Certified Copy of ID</li> <li>• Copy of learners Medical Certificate</li> </ul>
<b><u>SPECIFIC OUTCOMES OF THE COURSE</u></b>	<b><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></b>
<ul style="list-style-type: none"> <li>• Explain the ceiling limits and effects of the gases and vapours</li> <li>• Explain the various types of detection and measurement methodologies for the gases and vapours and the detection instruments' operation.</li> <li>• Explain the characteristics, sources, occurrence of the gases and vapours.</li> <li>• Explain the action to be taken and consequences of not taking action if the gases and vapours are encountered.</li> </ul>	<p>The following embedded knowledge is addressed in an integrated way in the unit standard:</p> <p><b>Causes and effects, implications of:</b></p> <ul style="list-style-type: none"> <li>• Hazards and risks not dealt with.</li> </ul> <p><b>Regulations, legislation, agreements, policies, standards:</b></p> <ul style="list-style-type: none"> <li>• Safety, occupational health and environmental legislation and regulations.</li> <li>• Quality policies, standards and agreements.</li> </ul>

**RPL Evidence Requirements Prior to Enrolment**

- Mine Induction Records
- Medical Certificate
- Curriculum Vitae
- Testimonial