



VUL-AST-020-Shotfirer Assessment

Appointee Name:			
Company:			
Mobile No.:			
Email:			
Signature:			
Date:			
Candidate Questionnaire			
Shotfirer Experience			
	Company	Position/Role	Years
Interviewer's Notes:			
			
Interviewer Details:			
Name:		Position:	
Signature:		Date:	



Theory Assessment

Instructions – please read

Short answers: please refer to relevant legislation and Vulcan Mine SOPs as required. If you run out of space, use additional blank pages, mark them with the number of the question that you are answering and append to this document. **Questions specific to legislation must be answered verbatim from the source text. It is the candidate's responsibility to seek the answers in the appropriate legislative text.**

Answers in your own words will not be accepted.

Exercises: There is one exercise that will need to be completed. You will need to obtain copies of the following documents from the Vulcan Mine Safety Health Management System to complete these:

1. VUL-FRM-02-03-Job Hazard Analysis
2. VUL-FRM-16-23- DBA Traffic Management Plan Cover Sheet

Copies of documents, along with SOPs and all other Safety Health Management System (SHMS) material can be obtained from the Vulcan Mine SHMS online portal at:

Website: shms.vitrinite.com.au

Password: welovecoal

Short Answer Questions – Please access the QLD Explosives Act and QLD Explosives Regulations when answering these questions. Handwrite the answers as they appear in the relevant legislation.		Satisfactory	Unsatisfactory
1.	What are 4 pieces of legislation in QLD relating to the use of explosives? 1) 2) 3) 4)		
2	It is the _____ responsibility to maintain the currency of their SSAN Clearance and Shotfirers Licence.		



2	(1)A person is an appropriate person for the issue of a shotfirer licence if the chief inspector is reasonably satisfied the person (Explosives Regs_Section 37) (a) (b) (c) (d) (i) (ii) (iii) (e) (i) (ii) (iii) (f) (2)		
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3.	A Shotfirer for a coal mine has the following requirements (<i>Explosives Regulation_Section 152</i>) A prescribed shotfirer— (a) (i) (ii) (b) (i) (ii) (iii) (iv) (c)		
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4.	(1) A shotfirer licence authorises the holder of the licence to— (<i>Explosives Regulation_Section 33</i>) (a) (b) (c) (d) (e)		
5.	A prescribed shotfirer must keep? (<i>Explosives Regulation_Section 153</i>) (a) (b)		
6.	(1) A person must not store an explosive at a place other than — (<i>Explosives Act_Section 45</i>) (a) (b) (c)		
7.	A person must not interfere with the site of an explosive incident without the permission of an_____. (<i>Explosives Act_Section 57</i>)		



8.	Explosives Incident definition — (<i>Explosives Act_pg 149</i>) (a) (b) (c) (d) (e) (f)		
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Vulcan SHMS Documents. Please access the Standard Operating Procedures when answering these questions. Handwrite the answers as they appear in the relevant Document.		Satisfactory	Unsatisfactory
9.	What document within the SHMS relates to Explosives Security?		
10.	What stock accounting records require completing? • • • • • •		
11.	Where are the keys for the reload and magazine kept?		



12.	Name 3 Standard Operating Procedures that relate to handling explosives within the Vulcan SHMS. 1. 2. 3.		
13.	Unauthorised entry to a blast area (shot) is not permitted. Permission to enter the blast area can only be given by the _____. In the case of an event or failure in the excavation the _____ may access the blast area to complete an inspection for the purpose of reducing an unacceptable level of risk.		
14.	Where there is a valid reason to postpone firing a shot, the Shotfirer shall advise the _____ and then _____.		
15.	In the event of a misfire the Shotfirer must complete –		
16.	In the event of an electrical storm, the _____ shall be followed		
17.	In the event of Loss or Failure of Product Prior to Firing a Shot you are required to complete a _____ and report this to the _____ for the shift.		
18.	The auditing process will consist of the following: • _____ audits of explosives magazine stock will be conducted by the Magazine Keeper and reconciled against the monthly stock usage spreadsheet / Shotfirer's spreadsheet. (Magazine Stocktake sheet)		



Activities – Download a copy of the VUL-FRM-02-03-Job Hazard Analysis and VUL-FRM-16-23-DBA Traffic Management Plan Cover Sheet and complete the following exercise.		Satisfactory	Unsatisfactory
19.	You have been tasked with running a production shot at Vulcan Main, Please complete a JHA and a TMP for the dipping, loading and firing of the shot. - Shot # - BL05_VM_S04B03_DL - No hot or reactive ground. - Some cap rock visible in the collars. - Double stitched face row, both vertical and 70deg alternating holes - Summer loading, chance of thunderstorms. - NONEL shot. - The pattern is located next to an active dig floor and must be accessed from the south off an active haul circuit. <i>*Your blast pattern is on the following page.</i>		



Shot# - BL05_VM_S04B03_DL

