



VUL-ATN-13- Blast Guard Authorisation

All Blast Guards are required to be site authorised prior to acting in a Blast Guard position at Vulcan Mine.

Supervisor Approval to Undertake Assessment			
Name:		Signature:	
Date:			
Trainee Details			
Name:		DOB:	
Company:			
Pre-requisites			Trainer/ Assessor Initial
☐ Vulcan Mine Site inducted			
☐ Copy of VUL-SOP-116g Charging and Firing Explosives given to trainee			
Trainer/Assessor Verification			
<i>I verify that the trainee has the current pre-requisites required for this authorisation.</i>			
Name:		Signature:	
Date:			



Responsibilities of Blast Guards

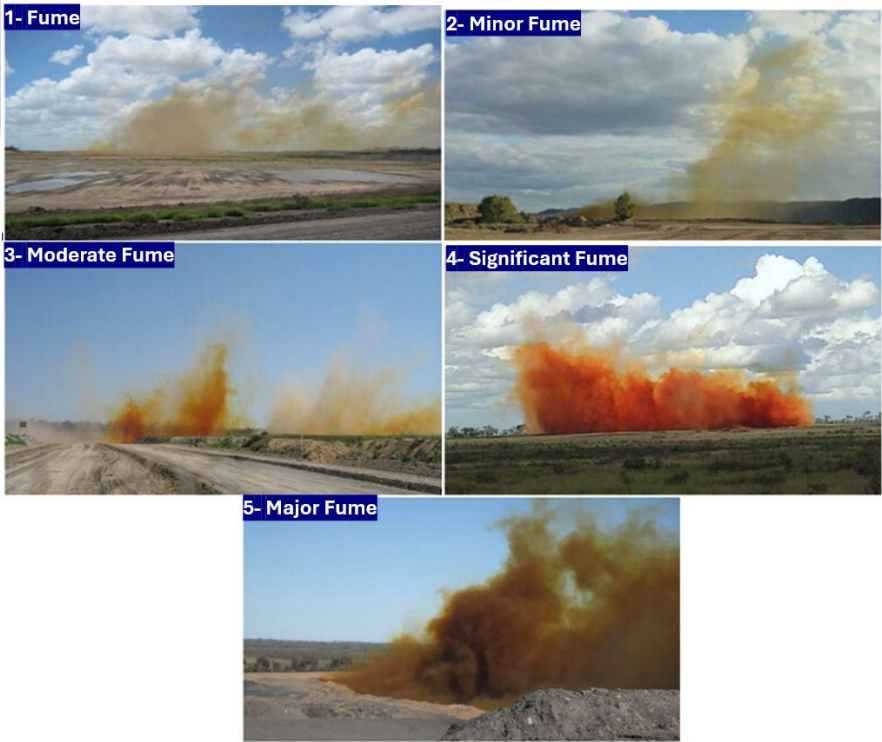
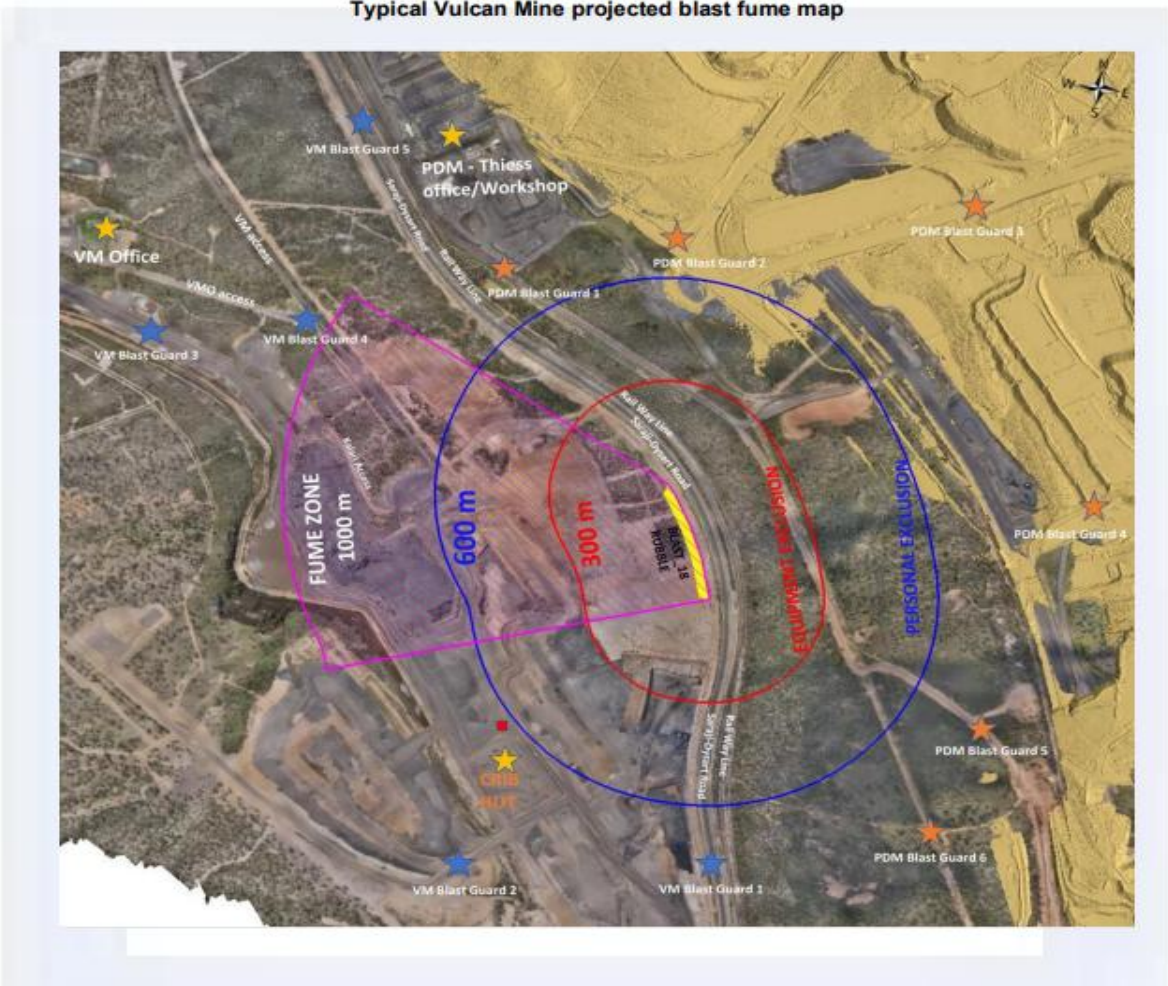
1. Blast Guards are responsible for ensuring that their assigned position is secure at all times
2. No person or vehicle enters the designated blast area unless directly authorised by the Blast Controller
3. Blast Guards are under the direct control of the Blast Controller during the entire blasting period
4. All guards shall ensure they are using Mine Channel 1
5. Persons acting as Blast Guards should ensure that a 'road block' is established with the vehicle and signage.
6. Blast Guard to clearly indicate to approaching traffic that they are to **STOP**
7. The Blast Guard shall be supplied with Blast map that shows:
 - a) All Blast Guard positions
 - b) Location of the shot being fired
 - c) Personnel exclusion zone **(600m)**
 - d) Equipment exclusion zone **(300m)**
8. The Blast Guard is to be familiar with the Post Blast Fume TARP and Fume Levels on the back of this authorisation form prior to the shot being fired.
9. If given a fume monitor, it is to be placed outside the vehicle on the blast signage. The purpose of the fume monitor is to capture blast fume data if there was to be a fume event, not as a personnel protection, or monitoring device.
10. If fume is approaching your guard position and you are concerned, remain in your vehicle with the windows up, with air-conditioning off OR on recycle, as per the Vulcan Mine Post Blast Fume TARP, and notify the Blast Controller immediately and await instructions
11. Once in the lockdown position, the Blast Guard shall remain alert, and ensure that no-one enters the blast exclusion zone via their road block, unless authorised by the Blast Controller.
12. Should anyone enter the exclusion zone past their road block, the Blast Guard shall immediately announce on Mine Channel 1:

"Cease Fire, Cease Fire, Cease Fire - Guard # to Blast Controller, there has been a breach of my guard position"
13. Continue to call until you have positive communication with the Blast Controller. If no response is received, call the Shotfirer. DO NOT LEAVE YOUR GUARD POSITION.



Theory Assessment		Satisfactory
1. Who can the Blast Guard let through their guard position?		☐
2. What radio channel must be used during blasting at Vulcan Mine?		☐
3. Who must the Blast Guard give all the information to?		☐
4. What should the guard do if there is unauthorised entry into the blast area?		☐
5. When can Blast Guards leave their position?		☐
6. If fume is approaching your position, what should you do?		☐
Blast Controller Confirmation		
I verify that the trainee has completed the Theory Assessment to a satisfactory level and is deemed competent for this authorisation.		
Name:	Signature:	Date:

Conditions / Positions	Normal State (Low)	Level 1 Response (Moderate)	Level 2 Response (High)	Level 3 Response (Very High)
Trigger / Conditions	Blast Initiated – No recognised fume event evident and is inside the exclusion zone.	Blast Initiated – Fume event evident but is contained within the fume exclusion zone wedge.	Blast Initiated – Fume event evident and has breached fume exclusion zone / Guards fallen back (No exposure to NOx).	Blast Initiated – Fume event evident - Fume has breached exclusion zone had has or has potential to expose personnel.
Blast Guards	Hold your Blast Guard position until the all clear has been given by the Blast Controller.	- Ensure your guard position is clearly understood and a pre-determined retreat plan is in place. - If in doubt ask the Blast Controller to repeat the instructions. - Understand if fume cloud is moving toward you and you do not have time to move safely, ensure the windows are up and air-conditioning and fan is off or on recycle.	- Monitor radio channel during blast. - Follow the Blast controller direction. - Leave vehicle running and windows up at all times. - Monitor dust cloud and fume event position and distance to your location. - Communicate to Blast Controller if you feel that your position may be close to the fume cloud and need to fall back.	- Follow Emergency Response Procedures - Ensure you hold your Blast Guard position until the all clear has been given by the Blast Controller unless you are required to utilise your pre-determined retreat plan. - Monitor dust cloud and fume event position and distance to your location. - Understand if fume event is moving towards you and you do not have time to move safely, ensure the windows are up and air-conditioning/fan is off or ensure on recycle. - Be aware of emergency vehicles in your area.
Blast Sweepers	- Remain on standby outside guard positions and monitor radio. - Be prepared to provide assistance to the blast controller if called upon.	- Remain on standby outside guard positions and monitor radio. - Be prepared to provide assistance to the blast controller if called upon.	- Remain on standby outside guard positions and monitor radio. - Be prepared to provide assistance to the blast controller if called upon.	- Follow Emergency Response Procedures - Monitor radio channel and be prepared to supply assistance in the emergency situation
Coal Mine Worker	- At pre-start ensure any blast details are clearly understood, if not ask your supervisor. - Maintain radio silence until all clear is given by the blast controller.	- At pre-start ensure any blast details are clearly understood, if not ask your supervisor. - Maintain radio silence until all clear is given by the blast controller.	- At pre-start ensure any blast details are clearly understood, if not ask your supervisor. - Maintain radio silence until all clear is given by the blast controller. - Monitor the radio channel during the blast. - Follow directions from your Supervisor, Blast Controller or Blast Guard.	- Follow Emergency Response Procedures. - If blast fume or dust is heading in your direction, contact the Blast Controller and follow their directions, to relocate to a specified safe location or retreat if possible. If this is not possible take shelter in a safe location from blast fume in a sealed cab or crib room with the windows up and air-conditioning/fan off or on recycle.
ERT	Ensure all ERT personnel are briefed on planned blast e.g. Pre-start Meeting.	Monitor Radio channel for any changes in Blast conditions.	Monitor radio channel for any changes in Blast conditions.	- Follow Emergency Response Procedures. - Prepare to treat personnel onsite if exposed to NOx Blast fume.





Trainee Acknowledgement		
<i>I acknowledge receipt of this authorisation and understand my responsibilities and obligations under the Vulcan Safety and Health Management System, the Coal Mine Safety and Health Act 1999 and the Coal Mining Safety and Health Regulations 2017, in relation to shot firing activities at Vulcan Mine.</i>		
Name:	Signature:	Date:
SSE/SSE Delegate Authorisation		
<i>I hereby authorise the abovementioned Coal Mine Worker as a Blast Guard at Vulcan Mine</i>		
Name:	Signature:	Date:

