

AUSMITE

Bulkan North Mine Site

Standard Operating Procedure

SOP-202.01

Personal Protective Equipment (PPE)

Contents

1.	Introduction	2
2.	Definitions	2
3.	Competencies / Authorisation.....	2
4.	Minimum Requirements	2
5.	Additional PPE	4
6.	Respiratory Protection	4
7.	Eye Protection.....	4
8.	Hand Protection	4
9.	Hearing Protection.....	5
10.	Head Protection	5
11.	Skin Protection	5
12.	Oxy-acetylene Protection.....	5
	Appendix: Summary of Key Points	6
	Ausmite Worker/ Contractor Declaration of Compliance	5

1. Introduction

This Standard Operating Procedure (SOP) specifies the minimum requirements for personal protective equipment use at the Bulkan North mine site.

It does not provide for the risks associated with personal protective equipment outside the boundaries of the Bulkan North site.

This SOP applies to all workers at the Bulkan North mine site.

Visitors will be required to undertake a separate Visitor Induction.

2. Definitions

Term	Definition
Personal Protective Equipment (PPE)	PPE includes clothing, equipment, substance or a device designed to protect a person from harm. Examples of PPE also include: a seat belt, fall arresting device or buoyancy device. <i>(CMSH Regulations Schedule 9)</i>
Worker(s)	Ausmite staff and contractors who perform any work duties at the site

3. Competencies / Authorisation

All personnel must receive training in the application of any PPE they are to use. The training must include:

- Purpose of the equipment.
- Individual responsibilities when using the equipment.
- Selecting the appropriate PPE for the task.
- Instruction on appropriate fit, use, inspection, storage, maintenance and disposal.

4. Minimum Requirements

Minimum PPE Items

As a minimum, all workers and visitors must apply the following PPE requirements:

1. High-visibility clothing that includes long sleeved collared shirt or jacket, (or safety vest for visitors)
Shirt sleeves must be worn rolled down and buttoned at all times, unless a JSA is completed and approved by the area supervisor where long sleeves are identified as a potential hazard to specific tasks (i.e. rotating parts of machinery).
Long pants / trousers.
2. Boots with a protective toe cap, lace up and with ankle support. Laces of footwear must be laced to the top.
3. Hard hats
4. Safety glasses (medium impact with side shields), including prescription safety glasses.
5. Gloves carried on coal mine workers and readily accessible (i.e. on a belt clip).

Minimum PPE Requirements



PPE and accessories must be selected, worn, used and maintained in accordance with Original Equipment Manufacturer (OEM) and Australian Standards to control the hazard or exposure.

When working around rotating equipment, loose items including jewellery and clothing must not be worn and long hair must be restrained.

The minimum PPE requirements shall apply unless specified otherwise by one of the following means:

- A Workplace Risk Assessment & Control for the work area.
- A task specific work instruction.
- Work area / zone specifications
- Designated signage.

PPE Condition

PPE that is worn-out, damaged or modified beyond the manufacturer's specified utilisation limits must not be used.

PPE must not be modified or altered without authorisation. This includes:

- Unauthorised badges; or
- Stickers on hardhats.

Authorisation for non Ausmite issued PPE

PPE that has not been issued by Ausmite must be approved and authorised before use.

Use of PPE on the Bulkan North mine site that has not been approved and authorised for use by Ausmite management will be considered a breach of safety procedures with applicable actions including the immediate cessation of use being enforced.

5. Additional PPE

Additionally, required PPE will be determined by other site procedures, work zone/area requirements or by risk assessments applicable to any given activity.

Examples of additional PPE



Hearing protection



*Face Shield
Welding mask*



Apron



*Rubber or
chemical boots*



*Rubber or
chemical gloves*

6. Respiratory Protection

Dust masks must be used for protection against nuisance dusts.

Gas filters must be worn for tasks where low concentrations of certain gases and vapours have been identified.

The correct particulate filters (listed below) must be worn for tasks where finely divided solid or liquid particles have been identified to remove particles from inhaled air.

Class P1 – Mechanically generated particulates (i.e. silica, asbestos).

Class P2 – Mechanically and thermally generated particulates (i.e. metal fumes).

Class P3 – Highly toxic materials. Requires a full-face mask.

7. Eye Protection

Dark tinted glasses must not be worn at night, or in areas of low lighting.

Polarised glasses must be provided for employees who have prolonged exposure to UV radiation or glare (i.e. Dozer working on coal stockpile).

Double eye protection is required for welding, cutting, grinding and air gouging operations.

For arc welding and cutting operations, protection must be provided against radiation using helmets fitted with filters of shade no. 8 – 15 (inclusive), as appropriate.

8. Hand Protection

Gloves must be carried at all times and be worn for all manual tasks, except if:

- The task introduces greater hazards as documented in a Take 5 or other risk assessment, such as diminished sense of touch or dexterity.
- If the hand could be trapped, dragged or twisted due to the glove being caught (i.e. when using rotating equipment); or

Hand protection includes barrier creams and hand cleaners.

9. Hearing Protection

Ear plugs and ear muffs must be used:

- when exposed to tasks that may result in damaging noise levels, and
- in all designated hearing protection zones.

Any environment where a voice must be raised to be heard at a normal conversation distance indicates hearing protection must be worn.

Double hearing protection must be worn when arc air gouging.

Muffs must be cleaned with warm, soapy water; rinsed and completely dried before re-use.

10. Head Protection

Chin straps shall be worn when working at heights.

Hard hats that are showing deterioration or damage, or have passed their use-by-date must be removed from service.

Hard hats have a maximum life of 3 years from date of issue (not manufacture).

11. Skin Protection

Personnel subject to prolonged UV exposure must:

- Use a broad-spectrum water-resistant sunscreen (Minimum SPF 30+ and applied in accordance with OEM instructions) and reapply every 2 hour.
- Wear close fitting EPF10 rated safety sunglasses.
- Wear sun hats with a suitable brim, peak or neck flap (as appropriate).

Chemical splash outerwear must be selected in accordance with the hazards associated with the specific work in progress and the requirements of the SDS for the chemical(s) involved.

12. Oxy-acetylene Protection

The minimum PPE requirements for oxy-acetylene work are:

- correctly rated goggles or face shield.
- welding gloves.
- welding jacket.

Appendix: Summary of Key Points

- 🔑 Unless otherwise specified, the site's minimum PPE requirements for all coal mine workers is:
 - 🔑 High-visibility clothing;
 - 🔑 Long sleeved shirts;
 - 🔑 Long pants;
 - 🔑 Safety boots;
 - 🔑 Hard hats;
 - 🔑 Safety glasses;
 - 🔑 Gloves carried on the person;
- 🔑 Additional PPE will be required as per risk assessment or tasks demands
- 🔑 Only PPE that is approved and authorised for use by Ausmite management is permitted for use on site
- 🔑 PPE and accessories must be selected, worn, used and maintained in accordance with Original Equipment Manufacturer (OEM) and Australian Standards.
- 🔑 Dust masks must be used for protection against nuisance dusts.
- 🔑 Dark tinted glasses must not be worn in low lighting.
- 🔑 Polarised glasses must be provided for prolonged exposure to UV radiation or glare.
- 🔑 Gloves must be worn for manual tasks other than in exceptional circumstances.
- 🔑 Ear plugs and ear muffs must be used when noise is a hazard.
- 🔑 Chin straps on hard hats shall be worn when working at heights.

Ausmite Worker / Contractor Declaration of Compliance

I (Print Name) _____ declare that I have read and understood the requirements and procedures of this Ausmite Bulkan North Mine Site SOP being document number and title:

SOP-202.01 Personal Protective Equipment.

I acknowledge that while performing any work on the Ausmite Bulkan North mine site, I must comply with all aspects of this SOP. I understand that failure to comply with this SOP may result in me being escorted from the work site with re-admission and/or approval to continue work duties being at the sole discretion of Ausmite management.

Signature: _____

Date: _____

Please send a scanned copy of this page to: ausmite@astragroup.com.au