

Portershoek Quarry	SAFETY HEALTH - MANAGEMENT SYSTEM (Doc No.7.5.1.1)	Effective Date: 15 May 2021 Revision No. ISO 45001 Date Reviewed: Page: 1 of 2
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Machine Guarding

1. Purpose

In order to reduce the risk of exposure to dangerous moving parts of machinery.

All machinery must be securely guarded to prevent access to dangerous parts. All guards should be correctly and securely fitted before operating machinery.

2. Scope

This procedure is applicable to all employees and sub contractors working at the mine.

Machine guarding is vital to every workplace using machinery. It is an essential protection that employers must provide for their workers.

3. Reference Documents

Mine Health and Safety Act, Act No.29 of 1996.

ASPASA Guideline on proposed machine guarding practices.

ISO 45001:2018(E)

4. Terms and Definitions

Machine guard means an apparatus attached to any machine for the purpose of preventing persons from being injured by moving parts of such machine.

5. Procedure

5.1 The machine guard/cover must provide maximum safety at all times.

5.2 Access to dangerous areas or points must be prevented.

5.3 The guard must be a part of the machine, without influencing the machine structure.

5.4 The guard must not create additional dangers like sharp corners or sharp edges.

5.5 The guard must be so designed that easy access to service points can be obtained.

5.6 The guard must be strong enough to withstand normal vibration, wear and tear.

5.7 The guard must be rust and fire resistance.

5.8 Where mesh covers are used to fence off a moving part, the opening in the mesh/expanded metal must not exceed 6 mm.

5.9 All guards/covers must be put back in place when service or maintenance is completed.

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5.10 No machine/equipment shall be started/operated unless all guards are in place.

5.11 No guard shall be removed while the machine is in operation.

5.12 No person is permitted to work on moving parts of any machine while the machine is in motion.

5.13 No loose clothing/jewelry/long hair may be worn near rotating or moving machine parts.

6. Responsibility

Maintenance personnel and all workers involved in the operation and cleaning of machines or conveyor belts.

It is the responsibility of all workers to ensure no equipment is used without the proper guarding arrangements in place.

7. Records

Deviation inspection reports must be kept in the applicable file.



Mine Manager



Date