

No. R. 1225

15 December 2005

**MINE HEALTH AND SAFETY ACT, 1996
(ACT No. 29 OF 1996)**

REGULATIONS RELATING TO MACHINERY EQUIPMENT

I LB Hendricks, Minister of Minerals and Energy, in terms of section 98 of the Mine Health and Safety Act, 1996 (Act No. 29 of 1996), after consultation with the Council hereby make the regulations in the Schedule.

LB Hendricks

Minister of Minerals and Energy

CHAPTER 8

MACHINERY AND EQUIPMENT

Scraper Winch and Mono-Rope Installation

8.4(1) The employer, at every mine where scraper-winch or mono-rope winches are operated, must take reasonable measures to prevent persons from being injured as a result of-

- (a) any person coming into contact with any moving part of a scraper winch or mono-rope winch installation or any equipment attached thereto; and
- (b) the scraper winch or mono-rope winch installation being unsafe.

8.4(2) The measures to be taken by the employer in terms of regulation 8.4(1) must include measures to ensure that-

- (a) scraper-winch and mono-rope winches are only operated by competent persons authorized by the employer to do so;

- (b) the scraper winch or mono-rope winch is not operated until it is examined and declared safe to operate by a person authorised to do **so** by the employer;
- (c) means are provided to forewarn persons of the intention to commence operating any scraper-winch or mono-rope winch;
- (d) means are provided for persons to signal to the operator, from any access point to the installation, to shut down the operation of the scraper-winch or mono-rope winch installation;
- (e) scraper winch and mono-rope winch ropes, scraper attachments and rope splicing are regularly inspected;
- (f) the scraper winch ropes are always underlay;
- (g) **a** written procedure is prepared and **implemented** for the installation of the winch system, covering at **least**-
 - (i) the requirements of scraper and mono-winch foundations and installations;
 - (ii) the crossover and anti-fouling arrangements of ropes from **two** or more winches;
 - (iii) illumination of the moving parts **of** any winch **so** that they can be identified by persons;
 - (iv) appropriate sheave and return **pulley** anchor and rigging arrangements, including the use of safety slings;
 - (v) measures **to** ensure that winch ropes are used within the design capacity;
 - (vi) winch starter box location to ensure ease of operation by the operator; and
 - (vii) the moving and transport **of** winches from one location to another.

Lifting Equipment Regulations

Definitions

For purposes of regulation **8.5**, unless the context otherwise indicates -

"Lifting equipment," means any equipment or machine or arrangement of equipment or machines intended or used for the lifting, lowering, suspension, or moving in suspension **of** any person or load.

“Lifting tackle,” means any attachment, including anchoring points, used to secure lifting equipment or a load to lifting equipment.

8.5(1) The employer must take reasonable measures to ensure that no person is injured due to the failure of any lifting equipment or lifting tackle as a result of-

- (a) incorrect design for the intended application;
- (b) incorrect installation; or
- (c) insufficient maintenance.

8.5(2) The employer must take reasonable measures to ensure that the installation, use (including the transport of persons), maintenance, inspection, testing and keeping of records of lifting equipment and lifting tackle are done in accordance with a written operating procedure prepared and implemented for that purpose.

8.5(3) The employer must take reasonably practicable measures to ensure that –

- (a) only lifting equipment and lifting tackle with a minimum factor of safety of four **(4)** is used;
- (b) lifting equipment and lifting tackle are not used beyond their design capacity; and
- (c) the safe working load of any lifting equipment and lifting tackle is conspicuously and clearly marked or indicated thereon.

8.5(4) Notwithstanding regulation 8.5(2), the employer must take reasonably practicable measures to ensure that the following lifting tackle has a minimum factor of safety of-

- (a)** ten (10) for natural fiber ropes;
- (b) six **(6)** for steel wire ropes, man-made fiber ropes and textile webbing; and
- (c) four **(4)** for high tensile steel chains.

8.5(5) The employer must take reasonable measures to ensure that only persons authorised in writing by the employer to do so, operate lifting equipment and lifting tackle.

8.5(6) The employer must take reasonably practicable measures to ensure that the lifting equipment used at the mine is designated and manufactured in accordance with an appropriate standard,

Repeal

8.5.(7) The following regulations, made under the Minerals Act, 1991 (Act No. 50 of 1991) in force in terms of Schedule 4 of the A d are hereby repealed-

Chapter 16	Chapter 19
16.98	19.1
16.98.1	19.2.1
16.98.2	19.2.2
16.98.3	19.3.1
16.98.4	19.3.2
16.98.5	19.3.3
16.99	19.3.4
16.100	19.4
16.101	19.5
16.102	19.6
16.103	
16.103.1	
16.103.2	
16.104	