**DEPARTMENT OF MINERAL RESOURCES**

**NO. R. 893** **25 AUGUST 2017**

## MINE HEALTH AND SAFETY ACT, 1996 (ACT NO 29 OF 1996)

## REGULATIONS RELATING TO FORMS

I, **MR. MOSEBENZI JOSEPH ZWANE,** Minister of Mineral Resources, under section 98 **(1)(x)** of the Mine Health and Safety Act, 1996 (Act No. 29 of 1996) and after consultation with the Mine Health and Safety Council, hereby amends Chapter 21 of the Regulations in terms of the Mine Health and Safety Act, as set out in the Schedule.

**MR. M. J. ZWANE, MP**
**MINISTER OF MINERAL RESOURCES**

## SCHEDULE

## REGULATIONS AMENDMENTS

## CHAPTER 21

## FORMS

### Amendment of Chapter 21 of the regulations

Chapter 21 of the regulations is hereby amended by the addition of the following forms for Lifts (DMR 289) and Chairlifts (DMR 299)

mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Lift Particulars

In terms of regulation 8.11.1 Chapter 8 of the Mine Health and Safety Act, (Act 29 of 1996)

O.E.M:

Ref No:

The Principal Inspector of Mines

Region:

Date:

Please be advised that we wish to inform you of particulars of a lift as set out below:

Name of mine:

Address of mine:

The lift will be:

a) Installed;

b) Modified; or

c) recommissioned.

(specify a, b or c)

Nature of loads to be transported:

Location of lift (including hatchway and landings):

**DESCRIPTION OF LIFT INSTALLATION:**

Type of Lift:

Manufacture's Name:

Manufacture's address:

Year of Manufacture:

Factory Number:

Location of installation:

Which SANS standard as contemplated in regulation 8.11.5 applies to the lift:
SANS Title

Describe any permissible variances of the lift design from the SANS Standard mentioned above

**LIFT TYPE:** (Electric, Hydraulic, Goods Only, other)

**POSITION OF DRIVE MACHINERY:**
Overhead:
Distance travelled by Car: meters
Distance travelled by counterweight: meters
Number of car entrances:
Vertical hatchway length: metres
Number of intermediate levels:
Speed: metres per second
Loads:
Persons: (number x 75kg) Material (kg): Mineral: (kg)

**DRIVE SYSTEM:**
Drive motor: (kW) Volts(AC/DC) (r.p.m)
Estimated maximum absorbed power: (kW)
Drive sheave mean diameter: metres
Gear reducer type and ratio(if used):
Type of Governor:

**BRAKES:**
Description of service brake system

Description of back-up brake system

**HATCHWAY:**
Drawing number
Air - upcast or downcast
Velocity
Wet or dry
If wet, is water acidic, neutral or alkaline?

**COUNTERWEIGHT:**

Counterweight mass (kg/MPa)

Diameter/specification of counter weight rope

Estimated breaking strength of Counterweight rope (Newtons)

Counterweight movement allowed (metres)

**HEAD ROPES:**

Number of Ropes:

Diameter/specification:

Finish

Maximum calculated dynamic rope tension (Newtons)

Calculated minimum dynamic rope safety factor

**TAIL ROPES/CHAINS:**

Number of Ropes/chains

Breaking Force

Estimated breaking strength

**OTHER DETAIL**
(Attach certified copies of OEM's lift calculations, specifications and general arrangement drawing of the lift installation.)

Name of Inspection Authority that conducts the Commissioning Inspection:

I certify that the particulars and specifications given herein are correct.

Signature of employer .....

mineral resources
Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

The Chairlift Particulars

In terms of regulation 8.12.2 Chapter 8 of the Mine Health and Safety Act, (Act 29 of 1996)

O.E.M.

Ref No:

The Principal Inspector of Mines

Region:

Date:

Please be advised that we wish to inform you of particulars of a chairlift as set out below:

Name of mine:

Address of mine:

The chairlift will be:

a) installed,
b) modified, or
c) recommissioned

(specify a, b or c)

Nature of loads to be transported:

Location of chairlift (including shaft and levels):

**EXCAVATION:**
Drawing number:

Air - upcast or downcast:

Velocity:

Indicate 'Wet or Dry':

If wet, is water acid, neutral or alkaline?

**ILLUMINATION:**

Are the stations and the traveling ways adequately illuminated?

**COMMUNICATION ARRANGEMENTS:**

Type:

**DESCRIPTION OF CHAIRLIFT INSTALLATION:**

Does the chairlift design comply in all respects with SANS 273:2006 Edition 1 – "Standard for the design, construction, maintenance and safe operation of chairlifts in mines"?

If not, describe variances

Chairlift Type: (Fixed Grip, Detachable Grip, Other)

Centre To Centre Length (Metres)

Vertical Lift (Metres)

Maximum Angle To Horizontal (Degrees)

Number Of Intermediate Stations

Chairlift Capacity (Persons Per Hour)

Rope Speed (Metres Per Second)

Minimum Time Interval Between Carriers (Seconds)

Minimum Equidistant Carrier Spacing (Metres)

Carrier Design – Personnel

Carrier Design – Specified (Loads)

Drive System:

Drive Motor (kW) Volts (AC/DC) (r.p.m)

Estimated maximum absorbed power (kW)

Drive sheave mean diameter (Metres)

Gear reducer type and ratio

**BRAKES:**

Service brake system (description of)

Back-up brake system (description of)

**ROPE TENSIONING SYSTEM:**

Return sheave mean diameter (Metres)

Method of applying tension

Counterweight mass or Hydraulic pressure (kg/MPa)

Initial tension applied to the rope or sheave axle (Newtons)

Diameter/specification of tension rope

Estimated breaking strength of tension rope (Newtons)

Counterweight/hydraulic cylinder movement allowed (metres)

Tension carriage movement allowed (metres)

**HAULING ROPE:**

Diameter/specification

Finish

Manufacturer's lubrication

Estimated breaking strength

Ratio of minimum sheave diameter (drive, return or idler), to rope diameter

Ratio of minimum sheave diameter (drive, return or idler), to rope outer wire diameter

Maximum calculated dynamic rope tension (Newtons)

Calculated minimum dynamic rope safety factor

(Attach certified copies of OEM's chairlift calculations, specifications and general arrangement drawing of the chairlift installation.)

I certify that the particulars and specifications given herein are correct.

Signature of employer .....