

No. R. 1226

15 December 2005

GENERAL EXPLANATORY NOTES

[] Words in bold type, in square brackets indicate omissions from existing enactments

_____ Words underlined with solid line insertions in existing enactments

MINE HEALTH AND SAFETY ACT, 1996 (ACT No. 29 OF 1996)**AMENDMENT TO THE REGULATIONS IN RESPECT OF OCCUPATIONAL HYGIENE**

Under section 98 read with Schedule 4 of the Mine Health and Safety Act, 1996 (Act No. 29 of 1996), I LB Hendricks Minister of Minerals and Energy, after consultation with the Council, hereby amend the regulations published under Government Notice No. R 904 appearing in Government Gazette 23583 of 2 July 2002, as set out in the Schedule

LB HENDRICKS (MP)
MINISTER OF MINERALS AND ENERGY

SCHEDULE

Definitions

1. In these regulations "the Regulations" means the regulations published under Government Notice No. R 904 in Government Gazette No 23583 of 2 July 2002.

Amendment of Regulation 9.2(7)

2. The regulations are hereby amended by the substitution for regulation 9.2(7) of the following regulation

Report to Regional Principal Inspector

92 (7) The *employer* must **[annually]** submit to the regional *principal inspector of mines*, on forms 21.9(2)(a); 21.9(2)(b); 21.9(2)(c) and 21.9(2)(d), 21.9.2 (e) and 21.9.2(f) prescribed in chapter 21, and within **[30] 60** days from the end of the relevant **[annual]** reporting period as indicated on each form, reports which contain **[quarterly]** information on the airborne pollutant, **[heat stress, cold stress] thermal stress** and noise aspects of the ~~system~~ of occupational *hygiene* measurements, established and maintained in terms of regulation 9.2(2), **[, covering the immediately preceding 12 months]**

Substitution of forms under chapter 21

3. The forms required in terms of regulation 9.2(7) prescribed in chapter 21 of the regulations are hereby amended-
- a. by the substitution for forms 21.9(2)(a)-(d) of the of the following forms; and
 - b. by the insertion of forms 21.9(2)9(e) and(f) after forms 21.9(2)(a)-(d).

CHAPTER 21

Airborne Pollutants - Particulates Personal Exposure Report Form 21.9(2)(a)
 In terms of regulation 9.2. (7)

Information in shaded area not to be included in statutory report submitted to DME; see examples in SAMOHP Code Book

General:

- Reporting Period as per table below.

Airborne Particulates	
HEG Category Classification Band	Reporting Period
A	Quarterly reports ending March, June, Sept and December
B	Bi-annual reports ending June and December
C	Annual reports ending December
- The monitoring frequency and number of samples to be used are specified in the SAMOHP
- Complete one form for each homogeneous exposure group
- Codes to be used in this form are specified in the SAMOHP
- Attach Operation Details - Report Form 21.9(2)(f) when submitting as required by regulation 9.2(7)
- The results of samples taken from randomly selected occupations within a HEG must be assigned to that specific occupation code, where occupations within a HEG were not sampled the HEG mean pollutant concentration must be allocated to those occupations.
- All sample concentrations must be 8 hour equivalents

Main Commodity Code:

Sample Area:

Activity Area Code:

HEG Classification Band (90th Percentile value of pollutant concentration):

DME Mine Code:

Sub Mine Code:

Reporting Period:

Start	End
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Occupations Codes in HEG	HEG	Pollutant Code		Sample Concentration per Occupation (TWA-8hr) mg/m ³ (A)	Analysis % (B)	Mean Pollutant Concentration Dose Allocated to Medical Record (Tick appropriate box) mg/m ³ <input type="checkbox"/> µ/ml <input type="checkbox"/> (C=AWJ A*B%)	90th Percentile HEG Classification	Range of Pollutant Concentration		OEL (Tick appropriate box) mg/m ³ <input type="checkbox"/> µ/ml <input type="checkbox"/> (D)	Pollutant Index (E=C/D)	AQI (F=SUM E)
		Number of Persons per Occupation	Min					Max				
Total												

* Note: Mean Pollutant Concentration needs to be calculated at 95% Confidence Interval (see explanation in SAMOHP Code Book)

Airborne Pollutants - Gases and Vapours Personal Exposure Report Form 21.9(2)(b) In terms of regulation 9.2. (7)

Information in shaded area not to be included in statutory report submitted to DME; see examples in SAMOHP Code Book

General:

1. Reporting Period as per table below.
HEG Category Classification Band

Gases and Vapours	Airborne Pollutants								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>A</th> <th>Quarterly reports ending March, June, Sept and December</th> </tr> <tr> <th>B</th> <th>Annual reports ending December</th> </tr> </table>	A	Quarterly reports ending March, June, Sept and December	B	Annual reports ending December	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>A</th> <th>Quarterly reports ending March, June, Sept and December</th> </tr> <tr> <th>B</th> <th>Annual reports ending December</th> </tr> </table>	A	Quarterly reports ending March, June, Sept and December	B	Annual reports ending December
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A	Quarterly reports ending March, June, Sept and December								
B	Annual reports ending December								
2. The monitoring frequency and number of samples to be used are specified in the SAMOHP
3. Codes to be used in this form for each homogeneous exposure group
4. Attach Operation Details - Report Form 21.9(2)(f) at the end of each reporting cycle where occupations within a HEG were not sampled
5. The results of samples taken from randomly selected occupations within a HEG must be assigned to that specific occupation code.

Main Commodity Code: _____
 Sample Area: _____
 Activity Area Code: _____
 EG Classification Band: (90th Percentile value of pollutant concentration): _____

Occupations in HEG	Number of Persons per Occupation	Pollutant Code	Sample Concentration Per Occupation (TWA-8hr) mg/m ³ ppm (Tick appropriate box)	Mean Pollutant Concentration Allocated to Medical Record TWA 8 Hr (A)	90th Percentile HEG Classification	Range of Pollutant Concentration		OEL (Tick appropriate box)	Reporting Period	
						Min	Max		Start	End
						mg/m ³	ppm		mg/m ³	ppm
				(A)						

Mean Pollutant Concentration needs to be calculated at 95% Confidence Interval (see explanation in SAMOHP Code Book)

Heat Stress Exposure Report Form 21.9(2)(c)

In terms of regulation 9.2. (7)

General:
 Risk assessment will determine the warmest quarter, statutory reports to be submitted to DME within 60 days of the completion of the identified quarter
 Complete one form for each homogeneous exposure group
 Codes to be used in this form are specified in the SAMOHP
 Attach Operation Details – Report Form 21.9(2)(f) at the end of each reporting cycle
 The results of samples taken from randomly selected occupations within a HEG must be assigned to that specific occupation code

Information in shaded area not to be included in statutory report submitted to DME; see examples in SAMOHP Code Book

Commodity Code:		DME Mine Code	
Measurement Area:		Sub Mine Code:	
Activity Area Code:		Reporting Period:	
Thermal Classification used on most significant parameter:		Start	End

Thermal Environment Occupations Codes in HEG	Number of Persons per Occupation	Parameter (Tick appropriate box)			Measurements (n)	Mean	Range	
		Wet bulb (WB) °C	Dry bulb (DB) °C	Globe (GT) °C			Min	Max

Personal Noise Exposure - Report Form 21.9(2)(e)

In terms of regulation 9.2. (7)

General: 1. Reporting Period as per table below		Information in shaded area not to be included in statutory report submitted to DME ; see examples in SAMOHP Code Book								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">HEG Category Classification Band</th> <th style="text-align: center;">Noise</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td>Annual reports ending December</td> </tr> <tr> <td style="text-align: center;">B</td> <td></td> </tr> <tr> <td style="text-align: center;">C</td> <td>Two yearly reports ending December</td> </tr> </tbody> </table>	HEG Category Classification Band		Noise	A	Annual reports ending December	B		C	Two yearly reports ending December	
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B										
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Main Commodity Code:	
Sample Area:	
Activity Area Code:	
HEG Classification Band:	

DME Mine Code:	
Sub Mine Code:	
Reporting Period:	
Start	End

HEG		
Occupations Codes in Noise HEG	Number of Persons per Occupation	* Logarithmic Average Sound Pressure Level (L _{Aeq, 8h}) per Occupation
Total		

* Note: Logarithmic Average Sound Pressure Level (L_{Aeq, 8h}) must be calculated as per formula on Pg 74 Para 3.6.2.2 of the Guideline for the Compilation of a Mandatory Code of Practice for an Occupational Health Programme for Noise. Ref. No. DME 16/3/2/4-A3

Operations Details- Report Form 21.9(2)(f)

Report on exposure levels	Airborne Pollutants Thermal Stress Noise (Tick appropriate box)	<table border="1"><tr><th>Pages / Report</th><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>	Pages / Report								for sampling period _____																																																																																																		
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DME Mine Code: _____	DME Sub Mine Code: _____																																																																																																												
Mine: _____																																																																																																													
Address: _____	Control Group: _____																																																																																																												
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Telefax: _____	E-Mail: _____																																																																																																												
Section 12.1 Engaged Occupational Hygienist		Part time	Full time																																																																																																										
Name: _____	MEC Certificate No. or Intermediate Certificate and SAIOH Registration No. _____																																																																																																												
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Telephone: _____	Cell Phone: _____																																																																																																												
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Engaged Occupational Hygienist _____				Date _____	Manager _____				Date _____																																																																																																				

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