No. R. 1226 15 December 2005

GENERAL EXPLANATORY NOTES

[1	Words in bold type, in square brackets indicate omissions from existing enactments
	_	Words underlinedwith solid line insertions in existing enactments

MINE HEALTH AND SAFETY ACT, 1996 (ACT No. 29 OF1996)

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 herby 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).

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CHAPTER 21

Airborne Pollutants - Particulates Personal Exposure Report Form 21.9(2)(a)

area not to be included in statutory report submitted to DME; see examples in SAMOHP Code Book Information in shaded 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 where occupations within a HEG were hot sampled the HEG mean pollutant concentration must be allocated to those occupations. All sample concentrations must be 8 hour equivalents 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 Quarterly reports ending March, June, Sept and December Bi-annual reports ending June and December Annual reports ending December Airborne Particulates Reporting Period as per table below.
 HEG Category Airborne
 Classification Band General: 2 4 4 6

Activity Area Code: HEG Classification Bend (90* Percentile value of pollutent concentration). HEG Occupations Codes In HEG Pollutant	utant Sample Concentration per Occupation (TWA-8hr)	Analysis %	Mean Pollutant Concentration Dose Allocated to Medical Record (R4 appropriate box)	90th Percentile HEG Classification	Sub Mine Code: Sub Mine Code: Start	Code:		····	
HEG Number of Persons Per Occupation	1 1 1	Analysis %	Mean Pollutant Concentration Dose Allocated to Medical Record (R4 approprise box)	90th Percentile HEG Classification	Sub Mine Start	Code:			
HEG Number of Persons per Occupation	<u> </u>	Analysis %	Mean Pollutant Concentration Dose Allocated to Medicate Record (Rkt appropriae box)	90th Percentile HEG Classification	Start			•	
8 _	1 L	Aralysis %	Mean Poliutant Concentration Dose Allocated to Medical Record (R4 approprise box)	90th Percentile HEG Classification	Start	Reporting Period:			
Number of Persons per Occupation	L	Analysis %	Mean Pollutant Concentration Dose Allocated to Medical Record (R4 approprise box)	90th Percentile HEG Classification	Start			,	
Number of Persons per Occupation		Aranysis %	Mean Pollutant Concentration Dose Allocated to Medical Record (Ret. appropriate box)	90th Percentile HEG Classification		End			
Number of Persons per Occupation		*	Concentration Dose Allocated to Medical Record (Rd. approprise box)	HEG	לה פטרמא	٤			
	mg/m³		morm		Pollutant Concentration	d	Poliutan Index	Ō V	
			,m/um			(rick appropriate box)	~		
			£		Min Maox	The state of the s			
	(A)	6	(C=Avg A*R%)		-]	_		
						9		(F*SUME)	
					+				
					-				
					-				
Total								•	
* Note: Mean Pollutant Concentration needs to be calculated at 95% Confidence Interval (see emission)	orfiderica frierval (see emianation	Profession in Salabita Code							

area not to be included in statutory report submitted to DME; see examples in SAMOHP Code Book Air Quality Information in shaded Index WDS=Q) Pollutant Index Reporting Period (C=A/B) End Airborne Pollutants - Gases and Vapours Personal Exposure Report Form 21.9(2)(b) (Tick appropriate box) DME Mine Code: Sub Mine Code: 9 mg/m³ ррт Start Range of Pollutant Concentration Max 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: Febral Form 21.9(2)(f) at the end of each reporting cycle
The results of samples taken from randomly selected occupations within a HEG were not sampled the HEG mean pollutant concentration must be allocated to that specific occupations. Min 90th Percentile HEG Classification Concentration Dose
Altocated to Medical
Record Mean Pollutant Quarteny reports ending March, June, Sept and December
Annual reports ending December Mean Pollutant Concentration needs to be calculated at 85%. Confidence Interval (see explanation in SAMOHP Code Book) € Sample
Concentration Per
Occupation
(TWA-8hi)
(Rick appropriate box)
mg/m³ ppm Reporting Period as per table below.
HEG Category Gases and Vepours Pollutant Code EG Classification Band; (son Percentile value of Number of Persons per Occupation Main Commodity Code: ctivity Area Code. FEG occupations odes in HEG ample Area

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

In terms of regulation 9.2. (7)

Risk assessment will de Complete one form for	recar. Nisk assessment will determine the warmest quarter, statuto complete one form for each homogeneous exposure group	revers. Sist 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	60 days of the completion of t	he identified quarter	Information in shaded	peg	
Sodes to be used in the Mach Operation Detail The results of samples	is form are specified in the SAMOHis - Report Form 21.9(2)(f) at the er taken from randomly selected occur	Sodes 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	that specific occupation code		area not to be included in statutory report submitted to DME; see examples in SAMOHP Code Book	bmitted ples in	
in Commodity Code:							
asurement Area:				DME Mine Code			
ivity Area Code:		·		Sub Mine Code:			
ermal Classification		-		Re	Reporting Period:		
sed on most significant parameter)	t parameter)			Start	End		
Therm	Thermal Environment						
	Number of Persons per	Parameter	Measurements (n)	300	Range	ge	
חח	Occupation	(Tick appropriate box)		מעם	Min	Max	
		Wet bulb (WB) °C				Visit.	_
		Dry bulb (DB) C				خينيت خيدن ديدن ميدن ودنية	
		Globe (GT) °C					
		- au					
		-					
-							

Cold Stress Exposure Report Form 21.9(2)(d)

in terms of regulation 9.2. (7)

	d quarter information in shaded are not to be included in statutory report submitted to DME; see examples in SAMOHP Code Book	Sub Mine Code: Sub Mine Code: Reporting Period:	Mean Range	Min Max	
(n) reports to be sufurmed.	4. Attach Operation Details — Report Form 21.9(2)(f) at the SAWOHP 5. The results of samples taken from andomy selected occupations within a HEG must be assigned to that specific occupation code Measurement Area: Activity Area Code:		Parameter (Tick appropriate box) Measurements (n) Dry bulb (DB) ^o C	Air velocity m/s Equivalent chill temperature °C	
2. Complete one form for each homogeneous exments statut. 3. Codes to be used.	4. Attach Operation Details - Report Form 21.9(2)(f) at the SAMOH 5. The results of samples taken from randomly selected occur Mealn Commodity Code: Measurement Area: Activity Area Code:	e e e e e e e e e e e e e e e e e e e	Occupation	▼ III	

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

In terms of regulation 9.2. (7)

eneral: Reporting Period as per				Information In about 1
HEG Category Classification Band	Noise			Information in shaded area not to be included i
A	Annual re	parts ending December		statutory report submitte to DME; see examples in
B	Two years	y reports ending December		SAMOHP Code Book
Complete one form for eac Codes to be used in this fo Attach Operation Details — The results of samples tak	orm are spec Report For	eous exposure group cified in the SAMOHP n 21.9(2)(f) at the end of each reporti domly selected occupations within a l	ng cycle IEG must be assigned to the	at specific occupation code
Main Commodity Code:			DME Mine C	ode.
Sample Area:			Sub Mine Co	
ctivity Area Code:			Cab Mino CC	Reporting Period:
EG ClassificationBand:			Start	End
	HE	:6		· · · · · · · · · · · · · · · · · · ·
	rie I		-	1.1
Occupations Codes in HEG	Noise	Number of Persons per Occupation	* Logarithmic Ave	rage Sot nd Pressure Le (L _{Aeq, 8h}) Occupation
				
				
				
				
	- 			
			To the second se	

Logarithmic Average Sound Pressure Level (LAeq. 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

	Op	perations Details	- Report F	orm 21.9(2)(f)		
Reporton	exposure levels	Airborne Pollutants Thermal Strass Noise (Tick appropriets box.)	Pages / Ro		npling period _	
DMEMine	Code.		DM	E Sub Mine Code:		
Mine						
Address:			Contro	o) Group:		
			Comm	odities		
Area Code:						
Manager			Produc			
Telephone:			Proces	SS: [
Telefax			E-Mail:			
Section 12.1 Name	Engaged Occupational	ygienist Part F time tin		ertificate No.or Interme	diate Certificate and	d SAIOH Registration No
Telephone	Code		Cell Ph	one		
Telefæx	Code		E-Mail:			
Directorate						
Summary						
Airborne Particu	per calegory		of parsons alegory Nois	No: of persons	Thermal Stress	Na; af persons per calegory
Substance	Code A B C	Substance Code A	В	A B C	Heat Stress	8 C D
11					Cold Stress	
	Mine Contractor	s TotalLabour				
Engaged Occu	pational Hygienist	Date Date		Manager		Date

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