

Department of Mineral Resources

**NW Rustenburg TRIPARTITE
MEETING
01 August 2019**



www.dmr.gov.za



Department of Mineral Resources



@DMR_SA



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

TABLE OF CONTENT

- 1. SAFETY PERFORMANCE ANALYSIS PER COMMODITY**
- 2. REGIONAL SAFETY PERFORMANCE ANALYSIS**
- 3. MAY-JULY 2019 FATAL ACCIDENTS**
- 4. HEALTH ANALYSIS**
- 5. EXAMINATIONS**
- 6. ANALYSIS SECTION 54 & 55's**
- 7. CONCLUSION**



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA



ANALYSIS PER COMMODITY

	Fatalities*		Injuries*		
	Actual		Actual		
	01/01/2018- 29/07/2018	01/01/2019 - 29/07/2019	01/01/2018- 29/07/2018	01/01/2019 - 29/07/2019	% change
Total	55	26	1428	1345	-6
Gold	31	11	537	368	-31
Coal	5	2	105	102	-3
Platinum	6	9	588	663	13
Other	13	4	198	212	7

* Provisional figures



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

REGIONAL ANALYSIS

Region	Fatalities*		Injuries*		
	Actual		Actual		
	01/01/2018- 29/07/2018	01/01/2019 - 29/07/2019	01/01/2018- 29/07/2018	01/01/2019 - 29/07/2019	% Change
Total	55	26	1428	1345	-6
Western Cape	1	0	11	8	-27
Northern Cape	2	1	60	51	-15
Free State	7	5	163	106	-35
Eastern Cape	0	0	1	0	-100
KwaZulu/Natal	0	0	12	18	50
Mpumalanga	4	2	106	114	8
Limpopo	8	3	85	93	9
Gauteng	22	5	290	207	-29
Klerksdorp	4	1	100	91	-9
Rustenburg	7	9	600	657	10



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA



NW RST May-July 2019 Fatalities

No.	Accident Description	Classification (Provisional)	Number of fatalities	Date	Commodity
1	Sectional Gang Leader for trucks and tramming, acting as a loco guard on the day, was walking next to the hoppers towards the material car with the intention to couple. He got caught between ventilation door frame and leading hopper scroll which fatally injured him.	RBE	1	15/05/2019	Platinum
2	Scraper winch operator fatally injured in a FOG accident during barring process at the top of a stope.	FOG	1	05/06/2019	Platinum
3	Scraper winch operator fatally injured in a FOG accident on a public holiday. A slab from the pillar sidewall collapsed and struck him.	FOG	1	17/06/2019	Platinum
			3		



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

NW RST May-July 2019 Fatalities



No.	Accident Description	Classification (Provisional)	Number of fatalities	Date	Commodity
4	Blasting assistant fatally injured by a winch scraper rope which was set in motion whilst he walking in the ASG.	Winches	1	24/06/2019	Platinum
5	Scraper winch operator complained of chest pains during night shift and was instructed to go the waiting place. He was found lying and had collapsed at the cross-cut on his way to the waiting place.	Other	1	11/07/2019	Platinum
			2		



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Key learnings from the fatalities

❖ RBE

- coupling in restricted areas
- auto-coupling, best practise

❖ FOG

- rolling reef
- combination of geological features, alert RE
- stope was not planned to be mined, no safe start-up conducted

❖ FOG

- excessive pillar robbing, integrity compromised
- safe declaration process, area not declared safe



Key learnings from the fatalities

❖ Winches

- excessive scraping distance, signalling ineffective
- scraping operations conducted on day shift

❖ Other

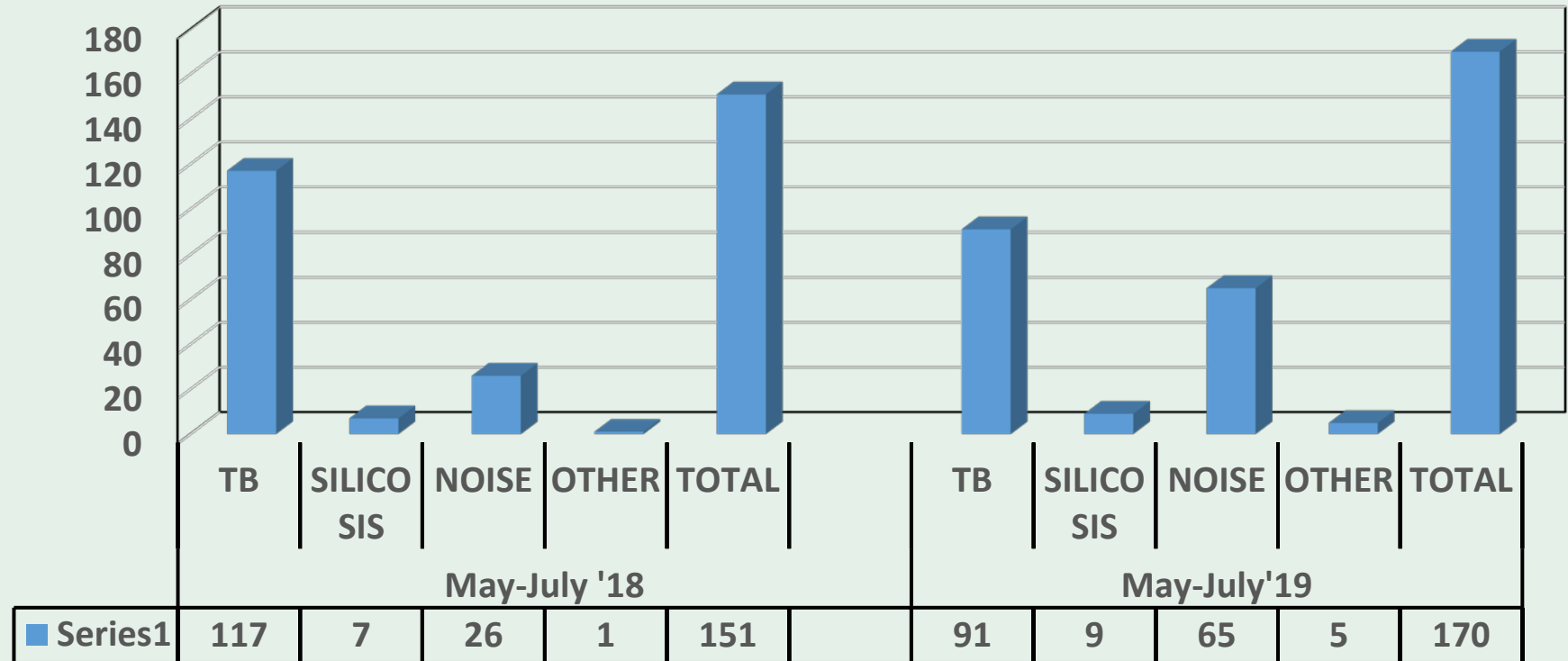
- emergency preparedness on night shift
- better communication





HEALTH STATS ANALYSIS

OCCUPATIONAL DISEASES May-July 2018 vs May-July 2019



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Occupational Health

❖ Health Incidents

- concern regarding late submission
- 30 days after diagnosis
- NIHL, only 10% or more of PLH to be submitted
- less than 10% of PLH keep on site
- Incomplete forms will be returned, action will be taken
- Reports to be submitted as soon as they ready, do not have to wait for last day

❖ Air-pockets

- increase in number in terms of reporting – Impala shafts
- adequate control measures to be put in place
- misfires reported as air-pockets

Occupational Health

❖ Fires

- compliance to MSHA regulation 5.1 “Fires and explosions”

- *Competent person to report to the employer, at appropriate intervals, on:-*

- b) *“the adequacy of measures in place to prevent, detect and combat the start and spread of mine fires”*





EXAMINATIONS – MAY-JULY 2019

Exam Boards	Planned Boards	Planned Candidates	Actual Candidates	Certificate Issued
M/O	9	100	75	3
Blasting	9	90	82	31
Onsetter	2	23	17	16
Lampsman	2	13	11	1



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Section 54 instructions to deal with dangerous conditions: April - June 2019

Number of notices issued – 58

Number of transgressions identified – 493

Number of instructions issued - 196



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Section 54 instructions to deal with dangerous conditions: April - June 2019



No. of section 54 transgression identified	How many
FOG	96
RBE	74
Conveyor belts	65
Scraper Winches	49
TMM	42



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Section 55 instructions to deal with dangerous conditions: April - June 2019



No. of section 55 transgression identified	How many
Electricity	22
Machinery	13
Training	10
COP,s	10
Risk Assessment	9



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Administrative Fines issued: April - June 2019

Fine imposed: 1

Amount : R1 000 000

Contraventions: 2

❖ **Non-compliance with:-**

- **MHSA regulation 11.4(1) – System of Medical Surveillance**
- **MHSA regulation 11.4(9) – Record of Hazardous Work**



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA



THANK YOU



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA