

Department of Mineral Resources

**NW Rustenburg TRIPARTITE
MEETING
28 March 2019**



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ANALYSIS PER COMMODITY

	Fatalities*		Injuries*		
	Actual		Actual		
	01/01/2018- 25/03/2018	01/01/2019 - 25/03/2019	01/01/2018- 25/03/2018	01/01/2019 - 25/03/2019	% change
Total	17	8	591	438	-26
Gold	7	2	209	105	-50
Coal	4	1	53	47	-11
Platinum	2	2	264	242	-8
Other	4	3	65	44	-32

* Provisional figures



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REGIONAL ANALYSIS

Region	Fatalities*		Injuries*		
	Actual		Actual		
	01/01/2018- 25/03/2018	01/01/2019 - 25/03/2019	01/01/2018- 25/03/2018	01/01/2019 - 25/03/2019	% Change
Total	17	8	591	438	-26
Western Cape	0	0	1	1	0
Northern Cape	0	1	22	15	-32
Free State	3	1	60	36	-40
Eastern Cape	0	0	0	0	0
KwaZulu/Natal	0	0	0	8	800
Mpumalanga	3	1	60	42	-30
Limpopo	1	1	36	35	-3
Gauteng	5	0	111	53	-52
Klerksdorp	1	1	38	21	-45
Rustenburg	4	3	263	227	-14



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March Fatalities



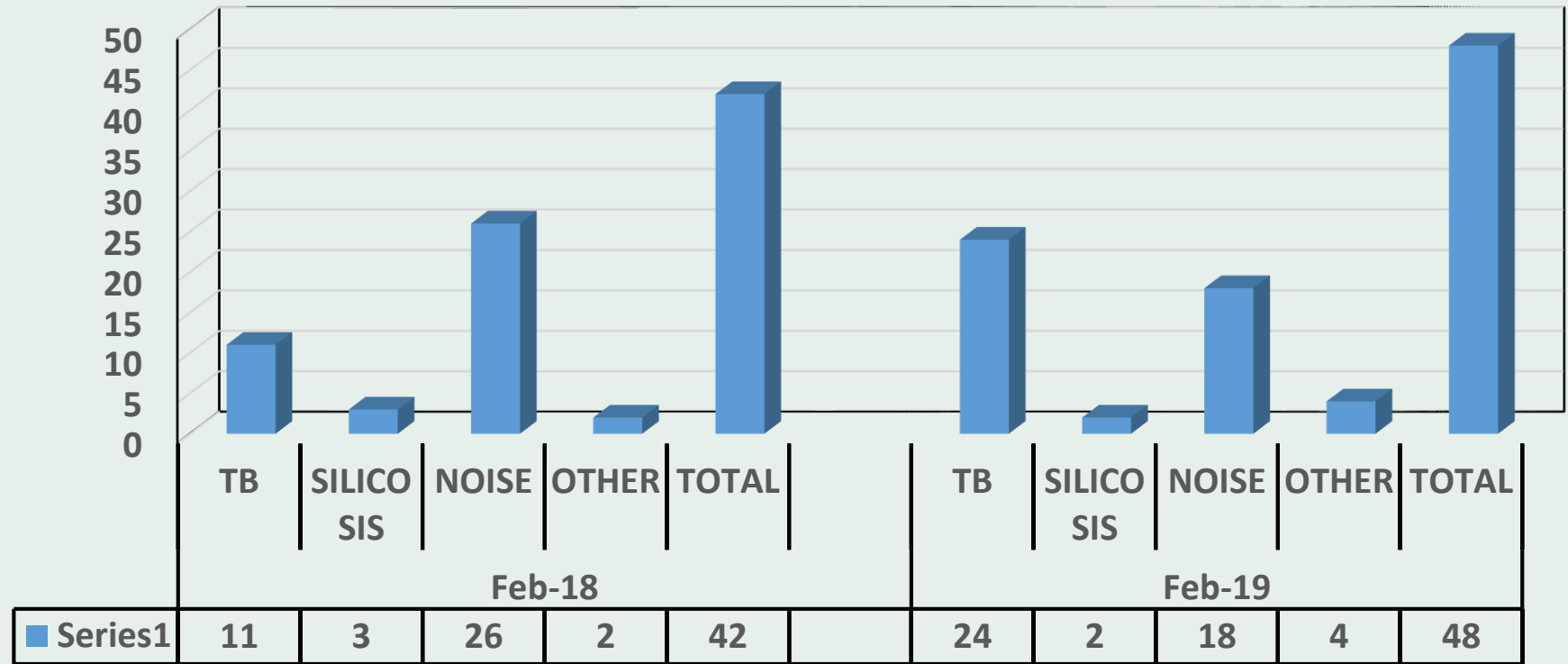
Region	Accident Description	Classification (Provisional)	Number of fatalities	Date	Commodity
MP	The now deceased Excavator Operator was fatally injured when the excavator cabin fell on him, after he was ejected out of the excavator. He was digging a trench with the excavator and the excavator track got into the trench, resulting in him being ejected out of the excavator. The excavator cabin followed and fell on him.	Transportation and Mining (TMM)	1	05/03/2019	Coal
NW - RST	The now deceased Team Leader was fatally injured in a blasting related accident. Two (2) other employees were involved in this accident but survived, one with minor injuries and the other is in shock.	Explosives	1	19/03/2019	Platinum
NW - RST	Subsequent fatality: The now deceased Rock Drill Operator, who was seriously injured on 20-03-2019 in a fall of ground accident, passed away on 22-03-2019. Whilst the now deceased was busy drilling a stope face, a rock dislodged from the hanging wall and struck him on his left shoulder.	FOG	1	22/03/2019	Platinum
			3		





HEALTH STATS ANALYSIS

OCCUPATIONAL DISEASES FEBRUARY 2018 vs FEBRUARY 2019



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EXAMINATIONS – FEB 2019

Exam Boards	Planned Boards	Planned Candidates	Actual Candidates	Certificate Issued
M/O	3	36	29	2
Blasting	3	30	30	20
Onsetter	0	0	0	0
Lampsman	1	7	7	0



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SECTION 54- FEB 2019 (7)



- **IMPALA PLATINUM MINES - 4:**
 - ❖ **Sub-standard winches**
 - substandard cross rigging & return rigging
 - leaking grease
 - no lockouts
 - no/dis-functional signalling system
 - ❖ **Poor explosive control**
 - containers not locked
 - hidden/unguarded explosives
 - ❖ **Poor rail track maintenance & tramming**
 - dis-functional switches
 - rails covered with mud & water
 - ❖ **Damaged tail rope of the man winder counterweight**



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SECTION 54- FEB 2019 (7)

- **LONMIN PLATINUM MINES - 1:**
 - ❖ **Sub-standard winches**
 - signalling system not operational
 - no winch barricades
 - ❖ **Poor explosive control**
 - missing explosives (control books vs contents)
 - ❖ **Sub-standard support**
 - hanging wall not supported (3.7m x 2.0m)
 - ❖ **Poor supervision**
 - area of responsibility too large



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SECTION 54- FEB 2019 (7)

- **SIYANDA RESOURCES MINES - 1:**
 - ❖ **Sub-standard winches**
 - poor rigging arrangements
 - leaking grease
 - ❖ **Sub-standard support**
 - excessive spacing of support units
 - missing elongates
 - geological features not supported (same observations as SO)
 - ❖ **Poor barring**



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SECTION 54- FEB 2019 (7)

- **SIBANYE STILLWATER - 1:**
 - ❖ **Sub-standard conveyor belt**
 - inadequate guarding at tail pulley
 - ❖ **Non-adherence to RE recommendations**



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SECTION 55- FEB 2019 (31)

- ❖ **ANGLO AMERICAN PLATINUM MINES - 5**
- ❖ **LONMIN PLATINUM MINES – 4**
- ❖ **IMPALA PLATINUM MINES – 4**
- ❖ **ROYAL BAFOKENG MINES – 2**
- ❖ **GLENCORE CHROME MINES – 2**
- ❖ **NORTHAM – 2**
- ❖ **SIYANDA RESOURCES – 1**
- ❖ **SAMANCOR WESTERN CHROMES – 1**
- ❖ **OTHER MINES - 10**



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SECTION 55- FEB 2019 (31)

MHSA Section 9 – Fatigue management COP & Procedure for MHSA Section 23

MHSA Regulation 8.10 – Compliance to PDS & Traffic Management

MHSA Regulation 9.2 – Failure to carry out legal responsibilities by 12.1 appointee

MHSA Section 5 – Poor maintenance on machinery

MHSA Chapter 23 – Non-reporting of accidents

MHSA Section 5 – Poor Risk Assessments

MHSA Section 10 – Training of Health and Safety Representatives



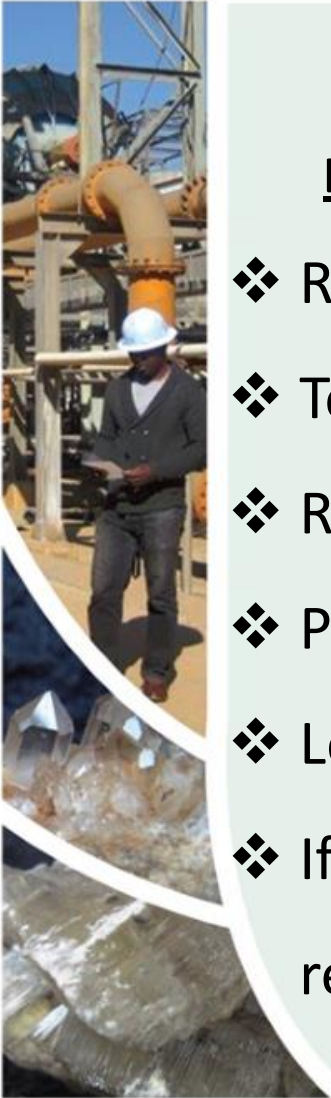
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LONMIN K3 & THEMBELANI FATALITIES

LEARNINGS

- ❖ Run the risk of fatalities if still not on centralized blasting system
- ❖ Too large an area of responsibility of a supervisor, you fail to manage.
- ❖ Roles and responsibilities not adhered to.
- ❖ Poor implementation and monitoring of systems at mines.
- ❖ Level of tolerance of sub-standards by supervisors still high.
- ❖ If you fail to support the ground, its guaranteed that you will have FOG resulting in either incident or accident.



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NEWS FLASH – BLASTING ACCIDENT

NORTH WEST - RUSTENBURG



AN EMPLOYEE WAS FATALLY INJURED AFTER A BLAST ACCIDENTALLY WENT OFF WHILST HE WAS BUSY CHARGING-UP THE HOLES WITH EXPLOSIVES – LONMIN KAREE 3

FATALITY

Description of Accident:

On the 19th March 2019, the Production Team Leader at Karee 3 Shaft, was busy connecting the fuses behind other two employees who were busy charging up the shot holes on the face. Twenty-one meters (21m) portion of the 30m face length that was already connected accidentally went off and seriously injured the Team Leader. The other two employees sustained minor injuries. The Team Leader later succumbed to his injuries and passed away whilst still underground.

Probable/Suspected Cause/s:

Sub-Standard Acts, at risk behaviour.

- ✓ Connecting up at the BIT (Blasting Initiator Timer) whilst the charging up of the face is still in the process.

Sub-Standard Conditions, at risk conditions

- ✓ No system in place to prevent unauthorized persons from initiating the blast, considering that the blasting wire can be activated with any source of energy i.e. cap lamp.
- ✓ No system in place to prevent unauthorized usage of lost Blast Initiator Timers as they are not investigated.

Remedial actions:

1. Employer is instructed to institute safety measures with regard to areas which are not on central blasting.

Gordon Masoko
Inspector of Mines
North West - Rustenburg
Date: 20 March 2019

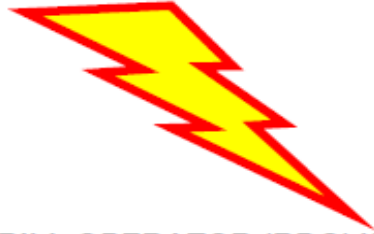


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NEWS FLASH – FOG ACCIDENT – 20/03/2019

NORTH WEST- RUSTENBURG



A ROCK DRILL OPERATOR (RDO) WHO WAS INJURED IN A FALL OF GROUND ACCIDENT, SUBSEQUENTLY PASSED AWAY AS A RESULT OF INJURIES SUSTAINED. THE ACCIDENT OCCURRED AT SIBANYE STILLWATER THEMSELANI MINE.

Fatality

Description of Accident:

On the 20th March 2019, the rock drill operator was struck by a fall of ground whilst drilling the stope face. The rock came down from the hanging wall in the U/G 2 panel and was measured to be 1.3m x 0.7m x 0.56m. The injured succumbed to the injuries sustained on the 22nd March 2019 while still lying in the Intensive Care Unit (ICU) at the hospital.

Probable/Suspected Cause/s:

Sub-Standard Acts, at-risk behaviour.

- ✓ Drilling under unsupported hanging wall. (Two resin bolts were not installed at the area of the fall of ground due to the short air-leg of the machine).
- ✓ Line supervision did not elevate the changing poor ground conditions to the Rock Engineering Department as required by the Trigger Action Response Plan (TARP system).

Sub-Standard Conditions, at risk conditions

- ✓ Friable ground conditions observed at the area of the fall of ground.
- ✓ Presence of key blocks in the of the fall of ground

Remedial actions:

The employer is instructed to:

1. Enhance the knowledge of TARP system for line supervisors and implement control measures to monitor the enforcement and effectiveness of the system.

O Phefo
Inspector of Mines
North West - Rustenburg
Date: 25 March 2019



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PIOM'S ADDRESS



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