

Newton, Bayda

From: Schiefelbein, Kelvin
Sent: Tuesday, 20 August 2019 4:31 PM
To: Newton, Bayda; Maskovich, Ruiha
Cc: Brouwer, Danny; Black, Dennis; Wynn, Damien; Holt, David; Fletcher, Paul; Roddan, Tim
Subject: FW: Completed Mining incident report No. 142675 (30 - High potential no lost time [nmsf: 35])

Please find the form 5a for the gas exceedance 28/7/19

From: Confidential
Sent: Tuesday, 20 August 2019 4:29 PM
To: Confidential; Schiefelbein, Kelvin
 Confidential
Subject: Completed Mining incident report No. 142675 (30 - High potential no lost time [nmsf: 35])

This message originated outside Anglo American

Type of incident

Incident report number: 142675

Recipients: Confidential and Confidential

1 **Incident type:** 30 - High potential no lost time [nmsf: 35]

2 **Summary/title of incident**

Gas has exceeded 2.5% in the longwall 909 tailgate

Incident Classification:	Code: 114 - Presence of gas [nmsf: 3827]
Breakdown:	Code: Machinery and (mainly) fixed plant [nmsf: 2836]
Sub-Breakdown:	Code: Other plant and machinery [nmsf: 2853]
Breakdown Class:	Code: Gas mains, pipes, valves, and other gas reticulation equipment [nmsf: 2947]
Detailed Classification:	Code: Gas mains, pipes, valves, and other gas reticulation equipment [nmsf: 3355]
Compensation ID: 999999	
Mechanism:	Code: Heat, electricity and other environmental factors [nmsf: 2789]
Sub-Mechanism:	Code: Contact with hot objects [nmsf: 2813]

3 **Previously notified:** Yes

Date: 28/07/2019

Mine details

- 4 **Mine/quarry name** Grasstree Mine **Code:** M01459 **Old Code:**
- 5 **Mine type:** coalUnderground
- 6 **Company contact:** Kelvin Schiefelbein
Phone: Confidential
- 7 **Where in the mine did the incident occur?** Longwall 909 tailgate **Code:** 503 - Coal face-2nd workings [nmsf: 27]
Surface or underground? underground

Incident details

- 8 **Date of incident:** 28/07/2019
- 9 **Time of incident:** 13 16 (24 hr clock)
- 10 **Time shift started:** 06 30
Shift duration: 12 00
No. of complete shifts/day worked prior to accident: 3
No. of days in shift cycle: 14
No. of days rostered off prior to starting current shift cycle: 7
Total hrs worked in 24 hr period prior to accident, inc travel time: 6
Travel Time: 01 00
Rostered Travel Time: 01 00
Roster Pattern: 7on 7off
- 11 **Date of first full working day lost:**
- 12 **Primary equipment/tool involved in incident:** Venturi plant / goaf drainage **Code:** 351 - Compressor (not mobile/portable) [nmsf: 3933]
- 13 **Describe exactly how did the incident occur:**
A diesel powered compressor on the surface tripped out due to a radiator hose failure / over temperature / loss of coolant. the Compressor was powering a goaf drainage venturi set.
- 14 **What hazards have been identified from this incident:**
Maintenance intervals and spare compressors for critical gas drainage plant are essential. Gas drainage was already at full capacity due to strata issues and a due to falling barometer issues when a plant failure also occurred.
- Code:** 121 - Moving components/parts

Injured person details

- 15-21 Questions 15 through 22 not required for 'High potential no lost time' incidents
- 23 **Description of personal damage:**
nil
Is this a permanent incapacity? No

Incident causes

- 24 **What happened leading up to the injury/incident/disease?**
Organisational | **Codes** 107 - Maintenance management

Venturi plants have been installed to temporarily increase the goaf drainage capacity. these plants are powered with compressed air. The Compressor has suffered a maintenance failure due to a blown radiator hose.

109 - Procedures

102 - Design

Task/environment conditions

the barometer was falling and the strata of the longwall was issuing more gas than normal at the time of the failure.

Codes 312 - Unstable strata
301 - Air/liquid pressure
320 - Task/environment factor (not specified)

Individual/team actions

the use of venturi goaf plants had increased to meet increasing gas make but the maintenance had not been increased

Codes 207 - Supervision
202 - Awareness
221 - Other ind./team factor

Absent or failed defences

the goaf plant was at capacity and with no redundant capacity to meet any failures

Codes 421 - Other absent/failed defence factor
403 - Failure/breakdown of equipment
404 - Failure/breakdown of equipment (maintenance related)

Preventative action

25 Give details of any control measures/actions being considered and/or implemented to prevent recurrences

none - a once off failure - the maintenance of the compressors has been increased

Date: 20/08/2019

Your full name: Kelvin Schiefelbein

Position: Underground Mine Manager

Email: Confidential

Office use

Inspector/inspection officer: _____

Signed: _____

Entered by: _____

User IP address: 172.18.4.56

User agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/76.0.3809.100 Safari/537.36

Email address: Confidential

Submitted Date/Time: 20/08/2019 15:57:35

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