

**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**

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**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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