

Newton, Bayda

From: Schiefelbein, Kelvin
Sent: Saturday, 23 May 2020 3:39 PM
To: Newton, Bayda; Briese, Marree
Cc: Duffy, Joel; McNally, Tim; Wynn, Damien; Cavanagh, Damian; Smith, Braedon; Moreby, James
Subject: FW: Completed Mining incident report No. 144854 (30 - High potential no lost time [nmsf: 35])

Please find the missing Form 5a for the gas exceedance 11/4/20

From: Confidential
Sent: Saturday, 23 May 2020 3:35 PM
To: Confidential; Schiefelbein, Kelvin
Subject: Completed Mining incident report No. 144854 (30 - High potential no lost time [nmsf: 35])

This message originated outside Anglo American

Type of incident

Incident report number: 144854

Recipients: Confidential and Confidential

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

2 **Summary/title of incident**

A Gas Exceedance has occurred in the LW808 TG ROADWAY airway when the methane sensor located on chock #197 recorded gas concentrations exceeding 2.5% v/v methane. The gas exceedance was believed to be due to gas being purged from the goaf due to the caving of an intersection. The gas accumulation caused an immediate trip of power supply to the AFC and shearer at 2% as per requirements. The gas accumulation did not present as exceedance at the TG drive gas sensors or at the dog leg sensor positioned further outbye. Around 1.44% was recorded further outbye. A peak reading of 4.18% was recorded during a period of 65 minutes where the concentration fluctuated as the gas layering cleared.

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: Other and not specified production line type of plant or stand alone machinery [nmsf: 2949]

Detailed Classification:

Code: Other and not specified production line type of plant or stand alone machinery [nmsf: 3357]

Compensation ID: 999999

Mechanism:

Code: Sound and pressure [nmsf: 2787]

Sub-Mechanism:

Code: Other variations in pressure [nmsf: 2810]

3 **Previously notified:** Yes

Date: 12/04/2020

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?** Long wall 808 A heading - Tailgate 808 2-3 ct **Code:** 507 - Coal face-longwall, stage loader/tailgate to 20 m [nmsf: 27]
- Surface or underground?** underground

Incident details

- 8 **Date of incident:** 11/04/2020
- 9 **Time of incident:** 21 25 (24 hr clock)
- 10 **Time shift started:** 20 30
Shift duration: 12 00
No. of complete shifts/day worked prior to accident: 2
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: 1
Travel Time: 00 30
Rostered Travel Time: 02 30
Roster Pattern: 7on 7off
- 11 **Date of first full working day lost:**
- 12 **Primary equipment/tool involved in incident:** longwall **Code:** 119 - Longwall-other equipment [nmsf: 3884]
- 13 **Describe exactly how did the incident occur:**
A Gas Exceedance has occurred in the LW808 TG ROADWAY airway when the methane sensor located on chock #197 recorded gas concentrations exceeding 2.5% v/v methane. The gas exceedance was believed to be due to gas being purged from the goaf due to the caving of an intersection. The gas accumulation caused an immediate trip of power supply to the AFC and shearer at 2% as per requirements. The gas accumulation did not present as exceedance at the TG drive gas sensors or at the dog leg sensor positioned further outbye. Around 1.44% was recorded further outbye. A peak reading of 4.18% was recorded during a period of 65 minutes where the concentration fluctuated as the gas layering cleared
-
- 14 **What hazards have been identified from this incident:**
A goaf fall releasing gas layering into the Tailgate of the longwall. The gas did not present at other gas sensors.
-
- Code:** 112 - Flammable liquids/gases

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

gas management systems are designed to control gases at a nominal designed rate of release / capture / dilution. local short term gas layering's occur when unplanned events create situations which don't allow the gases to be liberated as expected

- Codes** 102 - Design
 103 - Error enforcing conditions
 122 - No org. factor involved

Task/environment conditions

a goaf fall has preceded the gas release

- Codes** 312 - Unstable strata
 302 - Contaminants
 315 - Wind/turbulence

Individual/team actions

not a factor the work crew have ensures safe activities are conducted when clearing the gas

- Codes** 222 - No ind./team factor involved
 202 - Awareness
 207 - Supervision

Absent or failed defences

the goaf drainage system and ventilation system have not had sufficient control of the hazard of gas release from the goaf fall to eliminate a localized gas exceedance at the tailgate.

- Codes** 420 - Absent/failed defence factor(not specified)
 405 - Inappropriate/inadequate safety features
 421 - Other absent/failed defence factor

Preventative action

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

A thorough review of controls was undertaken and additional steps to control the situation included: 1 Installation of a Sherwood Certain in the TG roadway 2 Adjustments of face deflectors to better control the airflow around the TG drive

Date: 23/05/2020

Your full name: Kelvin Schiefelbein

Position: Underground Mine Manager

Email:

Confidential [Redacted]

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/81.0.4044.138 Safari/537.36

Email address Confidential

Submitted Date/Time: 23/05/2020 15:05:52

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