

PLEASE DO NOT REFORMAT THIS FORM

MINES INSPECTORATE VERSION 11 November 2017	NOTICE OF CONFIRMATION TO THE MINES INSPECTORATE OF A COAL MINE <u>HIGH POTENTIAL INCIDENT, SERIOUS ACCIDENT OR DISEASE</u>
MINE: Grosvenor	DATE: 4/04/2020
<i>This notice* is made by or on behalf of the SSE primarily** pursuant to section 198(4) or (5) of the CMSHA to confirm the initial oral report to an inspector and an ISHR. It is also used to report prescribed diseases pursuant to section 198(6) of the CMSHA.</i>	
NOTE: * Notice required within 48 hours or 24 hours in the case of a fatality: ** Also serves to report "Non-Reportable Incidents"	

SECTION 1: INITIAL ORAL REPORT		
Made By: Wouter Niehaus	Company Position: UMM	Phone: [REDACTED]
Made To: Matt Kennedy	Time: 3:28pm	Date: 4/04/2020
Made To: Stephen Woods	Time: 3:29pm	Date: 4/04/2020
Made To:	Time:	Date Click here to enter a date.

SECTION 2: SERIOUS ACCIDENT		
Is this a SERIOUS ACCIDENT:	NO	
NOTE 1:	<i>Act s16: A SERIOUS ACCIDENT is one that causes (a) death or (b) a person to be admitted to hospital as an in-patient for treatment of the injury. Also by definition it is a HPI</i>	
NOTE 2:	<i>While not included in the definition of SERIOUS ACCIDENT, Act s198(2)(iii) requires immediate notification of an accident "that causes a person to suffer an injury, causing or likely to cause, a permanent injury to a person's safety or health". (This is also a HPI as defined by Act s.17)</i>	
NOTE 3:	<i>Schedule 9 of the Regulation defines SERIOUS BODILY INJURY as an "injury endangering, or likely to endanger, life or causing, or likely to cause, a permanent injury to health" of a person.</i>	

SECTION 3: PRESCRIBED HPI TYPE BEING REPORTED		
SCHEDULE 1C Act 198(2b)	10b A ventilation failure causing a dangerous accumulation of methane or other gas that endangers the safety and health of a person.	
SCHEDULE 2 Part 1 Act 200(1)	Choose an item.	Must not interfere with site without inspectorate permission
SCHEDULE 2 Part 2 Act 201(1c)	Choose an item.	Investigation Report to an inspector within 1 month.
NOTE 1:	Some HPI types in Schedule 1C also qualify as types in Schedule 2, Part 1 and/or Part 2. See details on reverse of this form	

SECTION 4: NON PRESCRIBED HPI OR NON REPORTABLE INCIDENT NRI		
NON PRESCRIBED HPI <input type="checkbox"/>	<i>Where a "match" cannot be made to the Schedule 1C but the event is a HPI as defined by CMSHA section 17</i>	
NON REPORTABLE INCIDENT (NRI) <input type="checkbox"/>	<i>Where the incident is significant and has a safety "message" to share with industry</i>	
NOTE	Act s17 HPI "an event, or a series of events, that causes or has the potential to cause a significant adverse effect on the safety or health of a person"	

SECTION 5: REPORTABLE DISEASE SCHEDULE 1						
Chronic obstructive pulmonary disease <input type="checkbox"/>	coal workers' pneumoconiosis <input type="checkbox"/>	legionellosis <input type="checkbox"/>	silicosis <input type="checkbox"/>	Other		
NOTE 1 <i>To be reportable, the disease must have been contracted by a current or former coal mine worker who was exposed to dust/agent and has had the diagnosis confirmed by a nominated medical adviser or another doctor</i>						
NOTE 2: Tick relevant box above (no further disease information is required on this form)						

SECTION 6: DETAILS OF THE EVENT							
NOTE <i>Information provided in this section includes the "Primary Information" required by s.198(3) of the Act</i>							
CONCISE DESCRIPTION OF THE NATURE OF THE EVENT <i>(put all other information in the "Other information/details" field below)</i>							
At 2:22am the Shearer was cutting from TG towards MG and when the shearer lost power due the 0.1m sensor reaching 2%. After which a gas exceedance occurred on the 0.1m TG Sensor located on Shield 149 due to the goaf stream coming out between 147 and 148 roof support. Highest reading noted on 0.1m TG Sensor on #149 roof support sensor 2.97% at 2:22 am Highest reading noted on TG Drive sensor 0.95% at 2:22 am Highest reading noted on shearer sensor 0.59% at 2:22 am Highest reading noted on TG104 Inbye sensor 1.34% approximately 6 mins later 2:28 am. Highest reading noted of 1.87% CH4 at the Outbye Sensor TG104 3 - 4 ct approximately 18 mins later 2:40am.							
DATE: 4/04/2020	TIME 2:22am	LOCATION: LW104 TG return roadway intersection with face 149 roof support sensor					
EQUIPMENT INVOLVED: LW104				DAMAGE: nil			
ENVIRONMENTAL CONDITIONS: (x)	Light: <input type="checkbox"/>	Dark: <input type="checkbox"/>	Sunny: <input type="checkbox"/>	Wet: <input type="checkbox"/>	Dry: <input type="checkbox"/>	Windy: <input type="checkbox"/>	
PERSONS INVOLVED: (x)	Number: 0	Employee <input type="checkbox"/>	Contractor <input type="checkbox"/>	Labour Hire <input type="checkbox"/>	Visitor <input type="checkbox"/>		
NAME(S) OF DECEASED:			TYPE DEATH	NATURAL <input type="checkbox"/>	ACCIDENT <input type="checkbox"/>		
NAME(S) OF PERSONS INJURED			INJURIES		EMPLOYER (contractor where applicable)		

NIL		
	NAME	EMPLOYER <i>(contractor where applicable)</i>
NAMES OF ANYONE WHO SAW THE INCIDENT OR WERE PRESENT AT THE TIME AND IF NO WITNESSES, NAME OF PERSON FINDING THE INCIDENT	Brad Meldrum	Anglo American Grosvenor (ERZ Controller)
OTHER INFORMATION/DETAIL:		

Shearer Activity:

LW MG Chainage: 4220m TG Chainage 4214.7m

Shearer was Cutting toward MG and was stopped at Shield # 126 due trip function above 2% CH4 at the 0.1m Chainage sensor on Shield #149

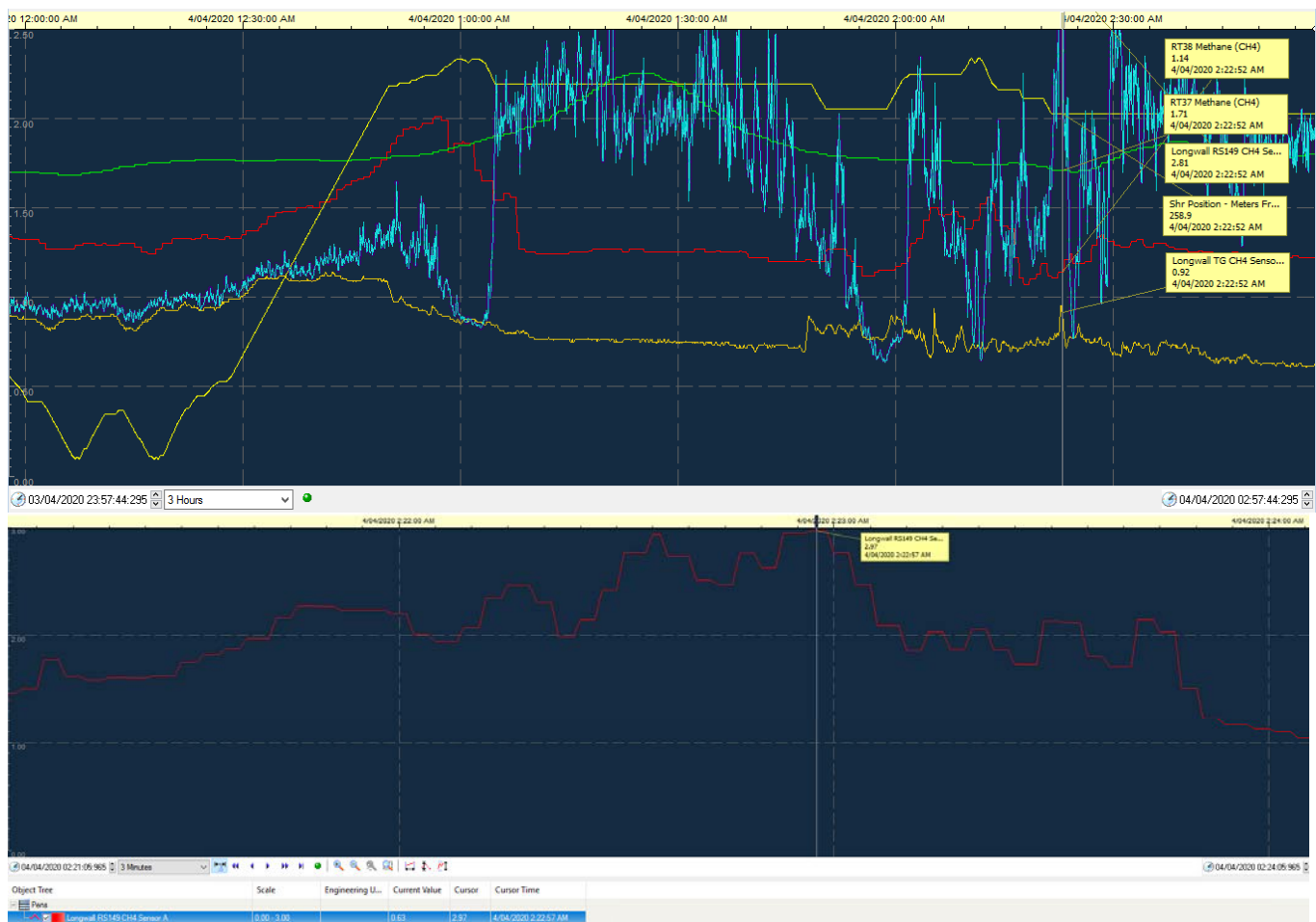
TG CH4 Sensor Reading:

- 0.1m Chainage sensor Shield #149 - Peak Value: 2.97% CH4, Time of Peak Value: 2.22am, Duration over 2.5%: approx. 2min
- TG Inbye Sensor - Peak Value: 1.34% CH4, Time of Peak Value: 2.26am, Duration over 2.5%: 0sec
- TG Outbye Sensor reading (18 mins later) - Peak Value: 1.87% CH4, Time of Peak Value 2. 40am, Duration over 2.5%: 0sec

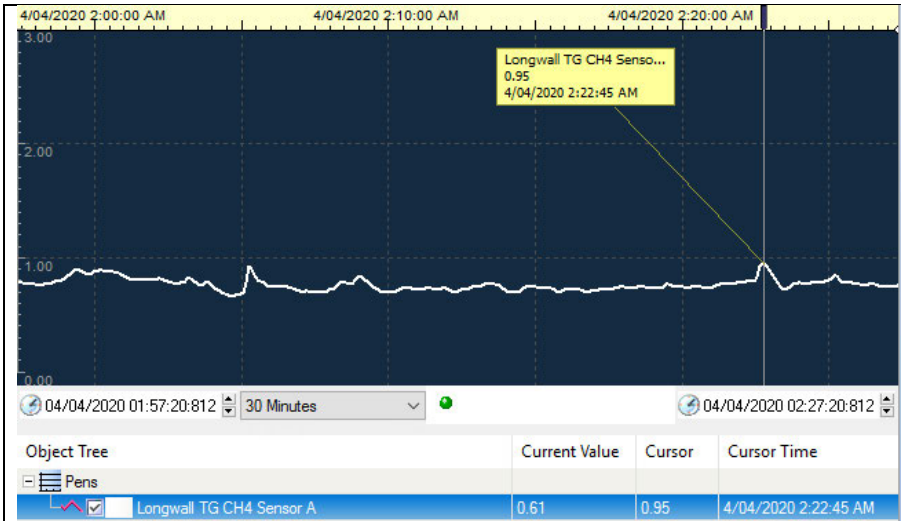
Action taken :

Sensor on shield 149 calibrated due to rapid variation of CH4 values noted at time however Deputy believes values on sensor at the time of the event true and correct

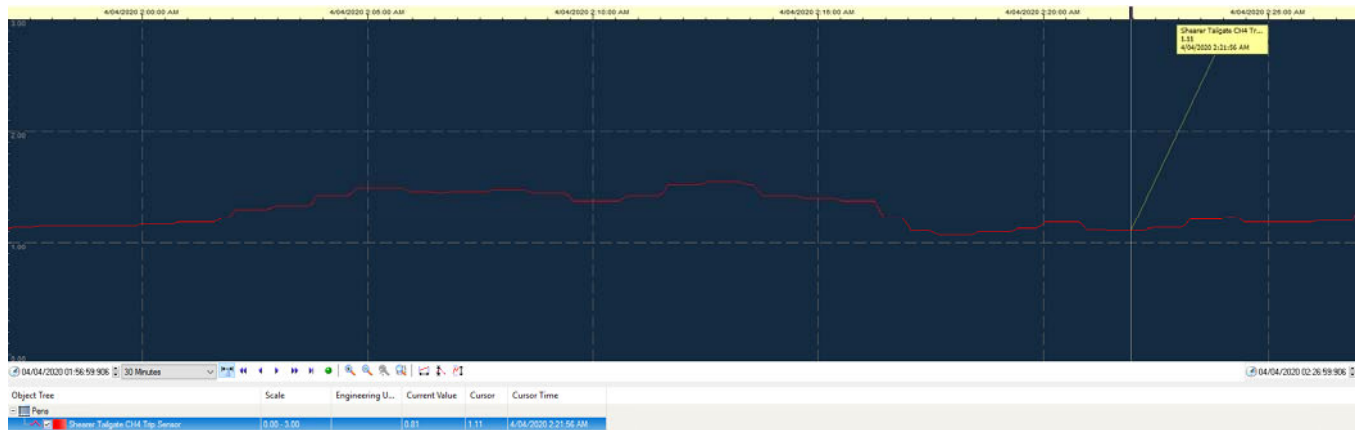
Deputy positioned hurdles to minimize goaf stream passing over shields in this area due to the cavity and planned to stop if any unusual change occurred on Sensor on shield 149

Gas Trend Graphs

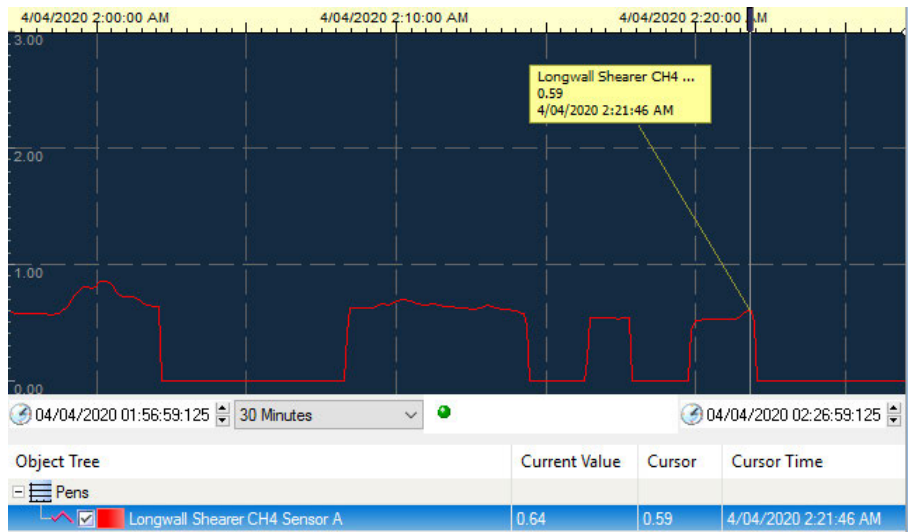
0.1m TG Sensor on Shield #149 TG104 4214.7m CH Sensor 3 minute trend



TG CH4 Sensor A at time of event 30 minute trend



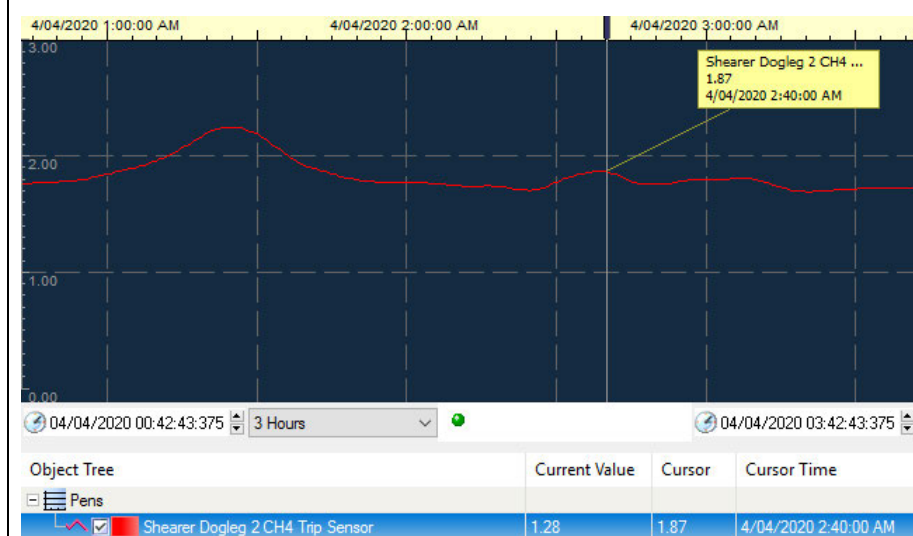
Shearer Tailgate CH4 Sensor A at time of event 30 minute trend



Shearer CH4 Sensor A at time of event 30 minute trend



TG104 CH4 3960 chainage Sensor peak 6 minutes after event 3 hour trend



TG104 3-4ct outbye Sensor peak 18 minutes after event 3 hour trend



Combined Gas monitoring with shearer position and shield movement 3 hour trends

DATE	TIME	Static Pressure Kpa (gauge)	Differential pressure kPa	Orifice ID mm	CO PPM	CH ₄ Vol %	O ₂ Vol %	CO ₂ Vol %	N ₂ Vol %	Total Flow L/s at STP	Methane Flow L/s at STP	VPS or Venting	Comments	LW Chainage mt.
GOAF LONGWALL 104														
4/04/2020	03:10:00	-18.00	1.00	150	0.00	68.00	3.70	0.40	27.90	483	308	VPS	GR04V002A GMS11 Valve 100% open	4365
4/04/2020	03:20:00	-14.20	4.30	150	20.00	74.00	2.20	0.00	23.80	1031	717	VPS	GR04L002 GMS06 Valve 100% open	4355
4/04/2020	03:00:00	-13.20	2.90	150	0.00	74.00	2.20	0.00	23.80	857	596	VPS	GR04V001 GMS09 Valve 100% open	4350
4/04/2020	03:30:00	-13.50	5.40	150	4.00	72.00	2.50	0.80	24.70	1142	773	VPS	GR04V005 GMS08 Valve 100% open	4250
										TOTALS	3513	2395		

Goaf Drainage holes in operation