



Mine Name	Mine ID	Operator	Activity Type	Region	Activity Date
Grosvenor Coal Mine	M102976	Anglo Coal (Grosvenor Management) Pty Ltd	Inspection	Central	07/04/2016

Vision: Our Industries Free of Safety and Health Incidents

## Mine Record Entry

This report forms part of the Mine Record under s68 of the Coal Mining Safety and Health Act 1999. It must be placed in the Mine Record and displayed on Safety Notice Boards.

Note that inspection or audit activities conducted by the Mines Inspectorate are based upon sample techniques. It remains the primary responsibility of Mine Personnel to identify hazards, and risks associated with Operations and ensure those risks are at an acceptable level.

Site Safety & Health Reps Consulted: Mr Jason Sharpe (Underground)

Today the 7th April 2016, Department of Natural Resources and Mines Inspector Keith Brennan travelled to Grosvenor Underground operations to carry out an announced inspection and also to discuss the introduction to site of Polymeric Chemicals.

### Opening Meeting:-

A preliminary meeting was held with SSE Adam Foulstone and Underground Mine Manager (UMM) Wayne Bull. I explained the purpose of my attendance on site. The inspectorate were aware of the possible introduction to site of Meyco MP 367 (Foam) and Meyco 364 (Injectable).

SSE Adam Foulstone offered his apologies and left the meeting.

#### **Adam Foulstone**

**Foulstone leaves meeting about PUR.**

**<https://www.linkedin.com/in/adam-foulstone-991a0b94/?originalSubdomain=ca>**

**No indication of any Statutory Tickets bar SSE. University educated.**

**Makes extensive quoting of Grosvenor role.**

**Ended up as SSE at Cook Colliery. Now in Barrick Gold.**

The opening meeting continued with UMM Wayne Bull. I explained a tripartite committee consisting of Industry, ISHRs and the Inspectorate are currently developing a Recognised Standard for the use of Polymeric Chemicals in Queensland.

**The current position of the inspectorate regarding Polymeric Chemicals are as follows:-**

1. Only Polymeric Chemicals holding a current NSW licence issued by the Manager Mine Safety Technology Centre - Mine Safety Operations Branch are required to meet the following testing criteria. A. Testing criteria 1: "Arnsberg Test" B. Testing criteria 2: "NSW mines Department MDG 3608 Appendix D — Polymeric Materials Test Manual — TM003 as of August 2012". Operations considering the use of injectable and void

filling products shall develop a comprehensive site risk assessment satisfying CMSHR Part 7.

2. The conditions of the licence issued by Manager Mine Safety Technology Centre - Mine Safety Operations Branch NSW acknowledged/signed by the Chief Inspector of Mines NSW are to be assessed in the risk assessment.
3. Compliance with The Coal Mining Safety and Health Regulations 2001 Part 7 - Hazardous Substances and the development of a Standard Operating Procedure (SOP) CMSHR - 10 Developing standard operating procedures requires competent content experts as defined by the CMSHA section 12 and the participation of an hygienist for developing the relative SOPs
4. I provided evidence from Mine Safety Technology Centre - Mine Safety Operations Branch confirming Meyco MP 367 (Foam) does not hold a current licence in NSW. A Temporary Licence (for trailing) was granted on the 23rd March 2009 by the Chief Inspector of Mines NSW Mr Rob Regan.
5. The Standard Operating Procedure shall identify the hazards and controls required for the development of Safe Work Procedures, the following are minimum requirements:-
  6. The type of the polymeric chemical and details and controls for its intended use.
  7. Application estimated quantities and ratios
  8. The potential health effects of exposure to products,
  9. The physical and chemical properties of the product including reaction temperatures
  10. The equipment to be used including, photographs and general arrangement drawings for equipment location,
    11. Establishment and details of Restriction and Limited Activity Zones
    12. Ventilation quantities including monitoring and control
    13. Siting of first Aid and Fire Fighting Equipment and Services
    14. Proposed injection patterns and any additional consumables (such as cut-table dowels and bolt assemblies).
    15. Inspection frequency during and post application
    16. Transportation and control of polymeric chemical drums and containers (including site storage and despatch)
    17. Storage, clean up and removal to the surface of both unused and accumulations of used product.
      - A. The individual chemical ingredients and their properties
      - B. The frequency and intensity of exposure C. The route of entry into the body and
      - D. The susceptibility of the individual exposed.

**Non-Approved PUR.**

**Qld uses the NSW Approval Process.**

**Obviously, it seems Grosvenor wanted to use non-approved Meyco MP 367 (Foam and Meyco 364 Injectable).**

## Longwall 101:-

We discussed the progress of HUK03 Proximity Detection, UMM Wayne Bull advised the system is still being developed. UMM Wayne Bull explained the current status of 101 installation face, focusing on the additional roof support currently being installed. CM KOIO was positioning to cut a mid-face shearer stable, the maingate drive was currently being installed. Surface to Seam (SIS) gas draining holes locations relative to longwall 101 block, a roof support bolt had intersected GRVG002A SIS hole (on suction) at the maingate end of the installation face, grouting of the hole was planned to occur during dayshift 7th April 2016.

We were joined by shift Shift Supervisor Neil Bryan, discussions expanded on the current longwall installation face and the recent High Potential Incident involving the bucket tilt cylinder of a hire ED7 Eimco. IJMM Wayne Bull explained a process had been implemented requiring a sticker to be located in the operators cabin of all Eimcos identifying if the tilt cylinder had been changed out, if a sticker was not present the machine cannot be used with man baskets.

**Longwall 101 Installation Occurring.**

**Intersected goaf drainage hole. No date and time mentioned**

**On suction going to be grouted.**

**Going to be fixed on day of inspection by coincidence**

## Underground Inspection - 101 Mainqate:-

Prior to travelling underground I reviewed the last statutory reports for 101 maingate and tailgate. The statutory reports were concise, however I noted the following:- Statutory Report 6843 - 101 tailgate under the heading Statutory Report Rules - T.A.R.P. Level by plan and T.A.R.P. Level Actual had not been completed, understanding the increased level of support currently being installed in the installation face the expectation the report would reflect the T.A.R.P. Level.

Maingate 101 Statutory Report 7476 was completed to a satisfactory standard, I noted the following:- Maingate 12 - 19ct - Tell Tale centre monitor 13ct cracking and sagging, there was no reference to a T.A.R.P. UMM Wayne Bull explained the occurrence of roof movement in this area is consistent with the tailgate roof movement, I expressed the view the roof conditions should be reflected by the relevant T.A.R.P. level.

In the control room I was advised by the Control Room Operator (CRO) that maintenance/calibration was currently being carried out on the real time monitors, no monitoring points were currently in alarm. The CRO explained the KAT RON lighting warning system.

In the company of UMM Wayne Bull and Shift Supervisor Neil Bryan we travelled to 101 tailgate development/installation face roadway. The standard of the travel roadways were of a high standard, roadway dust was evident and is being controlled by roadway watering. The roadway below C2 overcast was rough as a result of water. The PEGA shaft is now in use as a downcast air-conditioning intake, ventilation reporting to the district was recorded on the district entrance board as 75.6 cubic meters per second.

The tailgate end of the installation face had a number of parallel tasks occurring, floor cleaning using an Eimco and an air track installing 10m Mega bolts, a JSA had been developed for controls to reduce risk. Mid-face CM KOIO was preparing to cut the shearer stable. Eimco ED7 1524 the BIS hire ED7 involved with the tilt cylinder failure on the 29th March 2016 had a man basket fitted with a crew of coal mine workers preparing to carry out tasks from the basket.

I spoke with the group who were carrying out separate SLAMs, I suggested as the tasks they were about to undertake the SLAM should be developed as a group. The compliance sticker indicating the tilt cylinder had been replaced was located in the operators cab. During the inspection a number of Eimcos were identified as bucket only operations. At CM KOIO ventilation had been measured by the face Deputy at 0.4 meters per second, a support plan for cutting the stable had been produced.

We walked to the maingate via the bleeder roadway. I took the opportunity to discuss work procedures with SSHR Jason Sharpe and the future ERZ Controllers Forum. UMM Wayne Bull explained a ventilation change is planned for the weekend. I was shown the location of the roof bolt hole that had intersected GRVG002A SIS hole, Supervisor Neil Bryan confirmed the hole and adjacent cracks will be sealed later in the shift.

At the maingate drive installation, coal mine workers were carrying out line and level activities of the maingate drive, other workers were installing pans and using an AFC race cleaning flytes, a JSA had been developed for the task, exclusion zones in place. A JSA No. 1696 had been completed for unloading the maingate drive, the area was demarcated. UMM Wayne Bull and myself enquired of the Supervisor if a JSA had been completed for the maingate drive installation. The supervisor was able to produce the JSA including the race cleaning permit to work No. 1695. The documents had been discussed with the workers, we also questioned a coal mine worker about his familiarisation with the area, JSA and associated work permits.

#### Close Out Meeting:-

A close out meeting was held with UI-JM Wayne Bull we discussed the following:-

- Sign off of Statutory reports recognising the information requested by Statutory Report Rules - T.A.R.P

#### **ERZC Statutory Reports not properly recording TARPS for roof support (again)**

- Development support plans. UMM Wayne Bull had identified the use of T.A.R.P.s being used for the managers support requirements. The Managers Support Plans provide direction for roof support, T.A.R.P.s are the reactive additional requirements for strata conditions.

#### **Wayne Bull has identified an Issue with use of TARPS and Managers support rules.**

#### **What if anything did he ever do about it?**

- Re-enforced Meyco MP 367 (Foam) does not hold a current licence in NSW.
  - The positive response and actions following the failure of the ED7 tilt cylinder.

I thanked I-JUM Wayne Bull for his assistance during my inspection.

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Wayne Bull has identified an Issue with use of TARPS and Managers support rules.  
What if anything did he ever do about it?



Keith Brennan  
Inspector of Mines  
Central Region