



Mine Name	Mine ID	Operator	Activity Type	Activity Date
Moranbah North	MI00750	Anglo Coal (Moranbah North Management) Pty Ltd	Site Meeting	24/02/2021

Mine Record Entry

Executive Summary

Mine Record Entry Detail

Today 24 February 2021, I Paul Brown Inspector of Mines attended Moranbah North Mine for the purpose of a site meeting and surface inspection.

Attending the meeting today were:

Paul Brown (Inspector of Mines)

s.73 Irrelevant info (SSE)

s.73 Irrelevant info (UMM)

s.73 Irrelevant info (Longwall Superintendent)

s.73 Irrelevant info (EEM)

s.73 Irrelevant info (Engineering & Maintenance Manager)

s.73 Irrelevant info (Operations Manager)

s.73 Irrelevant info (Acting Technical Services Superintendent & Ventilation Superintendent)

SSHRs were not on site for today's meeting.

The meeting was opened by Mr s.73 Irrelevant info with a recap of the events at the time of the incident 1845hrs 20/02/21 and, immediate post event actions.

A summary of points raised for discussion were:

- Periodic Weighting was discussed and the level of uncertainty in predicting cyclic events in the current workings of Longwall 605.
- Blo-skid locations and sampling regime conducted post incident.
- Documents and video footage provided to Inspector Brown Monday 22/02/21 were covered in some discussions.
 - Additional videos are now available across the face since the first section of footage was provided. (the videos were later viewed but not requested to be provided to the Inspectorate at this stage)
 - Consolidation plan discussion, confirmation that drill holes in blue with volumes are actual and not planned. It was further explained that holes at 90 degrees to the face were 6m depth, angled holes ranged between 6-8m.

- We discussed how information I requested by email 21/02/21 was received and the SSEs belief that this was by application of powers pursuant to the CMSHA 1999. It was explained it was not my intention to apply powers under the legislation at that time however it would be acknowledged that this was the SSEs belief, I committed to provide the SSE a receipt for the documents and files received.
 - The site is preparing for an increase in Inertisation capability. Mr s.73 Irrelev explained the site currently have 2 x OSGS Units, 1 x Floxal and 2 Tomlinson Boilers. Site were in the process of sourcing a 3rd Boiler, an extra Floxal unit (on route from Brisbane) and there were 2 x Nitrogen units being unloaded on site today. Further to this there were 3 trailer loads of foam delivered to site.
 - There are two drill rigs mobilising to commence a 5 hole drill pattern. Mr s.73 Irrelev provided a plan to the meeting of the proposed drilling location bias MG side of goaf wells 869-865 but still in close proximity to the TG chain pillars. It was explained the site had engaged independent parties to assist their own technical experts in determining where any potential sources of heating could have occurred and the most effective locations for surface to goaf drilling for further Inertisation.
 - I asked the question about the extent of data researched for validation of the proposed 5 new Inertisation holes into the goaf. Responses provided were that of an extensive amount of data has been considered in making these assessments. It is acknowledged the plan is also still a work in progress, when the plan is closer to being finalised I will give consideration to requesting a copy under Notice.
 - We discussed the recent history of spon com triggers reached in LW 605, the location of these areas are in close proximity to the goaf wells where Ethylene and Carbon Monoxide presented to after 1845hrs 20/02/21.
 - I raised for discussion and verification that persons on site were considering the following:
 - Graham's Ratio recorded and possible influence of Nitrogen from Inertisation.
 - Trickets Ratio, was it considered and if so was Nitrogen adjusted to recognise Inertisation that was already in place.
 - Was CO/CO2 ratio considered.
- Mr s.73 Irrelev confirmed these ratios had been taken into account and formed part of their assessment of the mines environment. Mr s.73 Irrelev provided updates of the underground environmental monitoring which identified the mines current status as being stable and reflecting normal background levels of gases and ratios.
- Gas sensors at goaf wells that were exposed to high levels of Ethylene and Carbon Monoxide have been changed out and quarantined.
 - Currently the mine is operating 4 blow skids, in normal operation and normal rate of retreat it was explained this would look more like 7 goaf wells operating, 3 deep in the back of the goaf.
 - I asked Mr s.73 Irrelev to follow up on the gas Trend pages provided to me by the site 22/02/21, another mines name has appeared on the top left corner of the page however the trends were identified as MG605. It appeared to be an anomaly within Seagas however needs to be verified.
 - I asked for an update of who has been engaged by Moranbah North Mine as Independent technical experts. This was provided verbally by the SSE and recorded in my official notebook.
 - I asked if the site had engaged with QMRS in any capacity at this point in time, the SSE confirmed contact about resources (if required) had been conducted.
 - I raised for discussion if a Radon Survey had been considered. I further advised this is a

question for their team of experts to determine if it would provide value.

- I provided advice on the matter of site security to the SSE with the view the current status could continue for a period of time. Site Security and restricting access is a matter for the SSE to determine.
- I provided an overview of what an Inspectorate Investigation would involve, at this stage it is my immediate focus to deal with the situation at hand which has the mine under Directive to not re-enter the mine. The level and type of Investigation will depend on critical evidence required for the Directive response.
- We discussed the current state of exclusion zones around the mine. The mine has implemented the exclusion zone plan which is within the SHMS for emergency management.
- I asked for the sites strategy for maintaining key Senior Management positions at the site, while there are several positions considered critical to ongoing management in the mines current state my focus was mainly on the V.O and UMM positions. Mr [s.73 Irrele] explained the site has 7 day coverage for V.O's and in addition to this he also holds the V.O competencies. Mr [s.73 Irre] explained the site is currently limited to one 1st Class Certificate holder but had been pursuing mutual recognition for another staff member. I stated that in the current position the mine is in, maintaining a 1st Class Manager at or near the site is in my belief of high importance for effective control and management of the mine. It is however reasonable to expect that Mr [s.73 Irre] would for fatigue management require to have days off, I stated that if this involved leaving the region then an alternate Manager would be expected to replace him in his absence. I also stated the discussion of this matter would be tabled again after the mine was back in a normal state.
- Mr [s.73 Irrelev] raised for discussion of the parameters and requirements to be met for the Directive. Mr [s.73 Irrelex] expressed concern about the time this may take to finalise. I recommended that as soon as the SSE is in a position that he believes he has sufficient information ready, then we arrange a meeting between site staff and Inspectors to review the information prior to the SSE formally responding to the Directive.
- Prior to leaving the meeting room we viewed the other video footage of the faceline at shields 12, 52, 60, 65, (65 long version), 74, 104, 120, 136, 145.

I thanks the SSE for his time and left to view the surface exclusion zones of the 2 Drifts.

Accompanying me were [s.73 Irrelevant infor], [s.73 Irrelevant info] and [s.73 Irrelevant info]. We inspected parts of the perimeter of the portal exclusion zones. We discussed how the exclusion zones were established and the sites contingencies for critical areas such as the control room. As previously stated I recommended site should review the current zones to ensure it is appropriate and consider what the zone may look like if an escalation in a TARP occurred. Currently as per the Directive there is no access allowed to re enter the mine.

Prior to leaving site Mr [s.73 Irrele] indicated he would ensure an SSHR would be involved in the risk assessment to be undertaken for a re-entry.

I left site at approximately 1230hrs.

Paul Brown
Lead Investigator
Inspector of Mines