



Mine Name	Mine ID	Operator	Activity Type	Activity Date
Moranbah North	MI00750	Anglo Coal (Moranbah North Management) Pty Ltd	Investigation - Continued	11/05/2021

Mine Record Entry

Executive Summary

Mine Record Entry Detail

Today 11 May 2021 at 0400hrs, Inspector of Mines Paul Brown and Inspector of Mines Geoff Nugent participated in the re-entry Inspections of Moranbah North Today Mine.

Inspector Nugent attended site for a period of time to provide advice to the site Senior Leadership team.

Inspector Brown participated with the underground re-entry Inspection Team into Longwall 605 district currently quarantined pursuant to section 170 of the Coal Mine Safety and Health Act (CMSHA 1999). The re-entry team consisted of:

Paul Brown, Inspector of Mines

s.73 Irrelevant informat, ERZ Controller for LW605 district

s.73 Irrelevant info, Production Manager

s.73 Irrelevant info, Industry Safety and Health Representative.

s.73 Irrelevant inf, Longwall Coordinator

s.73 Irrelevant info, Assistant Undermanager

s.73 Irrelevant informa, Compliance Superintendent

Mr s.73 Irrelevant participated to check compliance to self escape capability as well as fire fighting services. Mr s.73 Irrelevant and Mr s.73 Irrelevant both participated with some inspections and when required remain with the vehicle transport for emergency response. In addition to the group mentioned, 2 mine electricians participated by providing isolation to face equipment for the inspection team and inspected electrical components on the faceline for damage.

As a result of the inspection the Directive pursuant to section 170 of the CMSHA given 7/05/21 was deemed by IOM Brown to be met. Further to the results of the inspection, another Directive, again pursuant to section 170 was given to the SSE to quarantine particular sections of the Longwall 605 faceline for the purpose of preserving evidence, the locations required to be preserved are:

- The inner walkway of shields 97 to 103 and
- The inner walkway of 137 to 148 shield.

The hydraulic power to shields identified as 97 to 103 and 137 to 148 shall be isolated to ensure any potential hose failure will not compromise the evidence within the lemingscapes pinch points. The inner walkways of these shields are to be no roaded by the ERZ Controller in charge of the district, these areas shall remain quarantined until such time as Inspectors

have completed their Investigation. The SSE is advised to implement a system of monitoring names of persons requiring access to the Longwall 605 district for the duration of the section 170 Directive in place.

During today's inspection, there were at least two locations along the faceline identified as having carbon monoxide at levels not considered normal however still well within TARP. It was recommended to the IMT and the Shift Undermanager maintain regular testing for early detection of spontaneous combustion. Locations highlighted were between shields 93-94 and 97-98. This does not limit or restrict the ERZ Controller from conducting further inspections elsewhere along the faceline or district.

A method is to be established and implemented to allow sampling by either PGD or by Bag Samples at points deemed necessary to monitor for gases in the Quarantined zones along the faceline. Monitoring for both the gas wick high up between side shields and the area close to the floor where the goaf is flushed to the back of the shield is recommended.

During the Inspection Inspector Brown collected several dust samples along the faceline as evidence, duplicate samples were created to provide Moranbah North Mine with the same representative samples for analysis. Dust samples were collected at:

- Shield #10 (2 samples)
- Shield #75 (2 samples)
- Shield #98 (2 samples)
- Shield #101 (1 Sample only, possibly mould)
- Shield #140 (2 samples)
- TG 1548 chainage, sample taken from passive support (2 samples)

During the inspection there were 51 images captured by a digital camera and a further 4 images recorded with the thermal imaging gun, this was limited due to UPEE requirements to be maintained.

During the inspection other observations and areas for improvement discussed with the Production Manager s.73 Irrelevant info. Key points covered were:

- Improvement required in stonedusting standards, in particular when development create gas drainage niches There was an absence of any stone dust treatment in stubs.
- Demarcation missed at the end of the methane exhaust hose 17-16ct belt road.
- Calibration gas cylinders not correctly stored in cabinets provided.
- Tops of CABA pods being used for general storage.
- Wilson Mining Rocsil and Fenoflex pods require signage to be maintained identifying the hazardous chemicals.
- Absence of wheel chocks on mobile plant left in panel 20/02/21.
- U-Tubes on seals, consider alternate to water to maintain separation.
- Recommended consider increasing use of pressure grouting ribs at seal sites.
- Multiple flippers not deployed along the faceline, appeared very hit and miss, did not appear to have any consistency as to why.
- Low oxygen content in general body, precautions to be taken to exit TG drive to access TG roadway.
- Sweating evident in a number of locations, included the zones placed under quarantine as a result of this inspection and the goaf side of TG drive.
- Gas stub niches in the TG not adequately ventilated.

After returning to the surface, a brief close out meeting was conducted with the IMT, the new s170 Directive was discussed with the SSE.

Prior to leaving site Inspector Brown provided a summary of the inspection to the nightshift ERZ Controllers and Undermanager.

Paul Brown
Inspector of Mines

Geoff Nugent
Inspector of Mines

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