



| Mine Name | Mine ID | Operator | Activity Type | Activity Date |
|---------------------|---------|-------------------------------------|---------------|---------------|
| Goonyella Riverside | MI00568 | BM Alliance Coal Operations Pty Ltd | Inspection | 03/04/2019 |

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.

Today Luca Rocchi (Chief Inspector of Coal Mines) and myself, Cres Bulger (Senior Inspector of Coal Mines) attended Goonyella Riverside mine to conduct an inspection of the operations and to investigate complaints received relating to open cut examiners (OCE's) at the mine.

Upon our arrival at the mine we were met by Brent Gee (Acting SSE & Coal Production Manager) and Melissa Kliese (Site Systems Supt), and the following items were discussed at an opening meeting:

- An update was provided on recent staffing changes within the inspectorate, namely the resignation of Les Marlborough (Regional Inspector of Coal Mines - North) and the nearing retirement of Richard Gouldstone (Inspector of Coal Mines).
- Cert IV Training & Assessment has been upgraded from TAE40110 to TAE40116 which was to come into effect on the 1st of Apr-19, however this date has now been extended out to the 1st of Jul-19. I was told the mine is currently having their trainer assessors upgraded to TAE40116.
- We informed of Safe Work Australia's recently proposed occupational exposure limits (OEL) which are 0.9mg/m³ (respirable dust) bituminous and lignite coal, 0.4mg/m³ (respirable dust) anthracite coal, and 0.02mg/m³ for silica. We also pointed out that submissions pertaining to this proposal have to be done within the specified timeframe.
- An update was provided on Recognised Standards, and in particular the following:
 1. "Design & Construction of Mine Roads", the development of this standard is now finalised and being prepared for gazetting.
 2. "Monitoring Respirable Dust in Coal Mines", this standard is to be reviewed when the new Safe Work Australia respirable dust OEL's are finalised.
 3. "Dust Controls in Surface Mines", the development of this draft standard has just been

completed, and it has been sent to industry for feedback.

4. "Management Structures", the development of this standard has now commenced.
 - I informed that there was recently a case at a Qld coal mine where a person was appointed as an OCE when they did not possess a Qld recognised OCE certificate, so the mine was asked to check that their process ensures all appointed OCE's do have a Qld recognised OCE certificate.
 - Australian Standard 1657:2018 "Fixed platforms, walkways, stairways and ladders – Design, construction and installation" was reviewed late in 2018 and some amendments were made. Where mines refer to this standard in their SHMS in reference to Section 70 Safe Access to Plant in the Qld Coal Mining Safety & Health Regulation 2017 they should be aware of the latest version of the standard, and consider revising relevant site documentation and requirements.
 - I discussed the recent fatality in which a dozer travelled over a bench edge, and ended up rolling down approximately 20 metres and coming to rest upside down in about 2mts of mud / water. Elements that I asked the mine to consider as a result of this accident are:
 1. Having adequate protection that prevents persons or equipment from going over edges.
 2. Ensuring work methods used near the top of pit walls and on benches achieve an acceptable level of risk.
 3. Having robust protection in place that prevents equipment from entering bodies of fluids.
 - Due to previous issues with the site senior executive (SSE) not being the most senior person at the mine I asked for the mine to provide records of Mark Eaglesham's (General Manager) attendance at Goonyella Riverside mine during the months of February and March 2019. These records were provided, and Luca Rocchi later raised our concerns with Rob Telford (Operator's Representative) who committed to having the situation addressed.
 - An at length discussion was held regarding the exorbitant number of complaints received by the inspectorate relating to OCE's at Goonyella Riverside mine. Later we met with a number of the mine's OCE's who raised their concerns with us. It was clearly evident that there are issues, and we strongly encouraged all parties to work together in ensuring the OCE's are able to fulfil their statutory obligations whilst maintaining a respectful and fluent working relationship with supervisors, superintendents and management.

Lachlan McNamara (Coal Mining Supt), Scott Greenhalgh (Dragline Supt), Luca Rocchi and myself then conducted an inspection of some of the pit operations where the following items of notice were observed:

- At the lookout overlooking Ramps 8 and 25 we observed some 18 rear dump trucks queued at various digging units. We were told this excessive queuing of trucks was due to a number of digging units being unavailable. The question was asked as to if this excessive queuing of trucks was adding any additional risk to these circuits?
- Excavator 68 was digging overburden in Ramp 12 and the trucks were hauling this material to an out of pit dump. There were sections of road edge safety berms on this circuit protecting significant roadside drop-offs that didn't appear to meet the design requirements for high risk berms. We later requested for a survey pick-up of this area to check the actual safety berm dimensions against the SHMS' design requirements. This survey pick-up verified our observation by showing sections of safety berms did not meet the design requirements (refer to **Figure 1** on page 3).

- Excavator 67 was also digging overburden in Ramp 12 and the trucks were dumping this material in pit on the low wall side. Again there were sections of road edge safety berms on this circuit protecting significant roadside drop-offs that didn't appear to meet the design requirements for high risk berms. We also requested that a survey pick-up of this area to check the actual safety berm dimensions against the SHMS' design requirements. This survey pick-up verified our observation by showing sections of safety berms did not meet the design requirements (refer to **Figure 1** below).

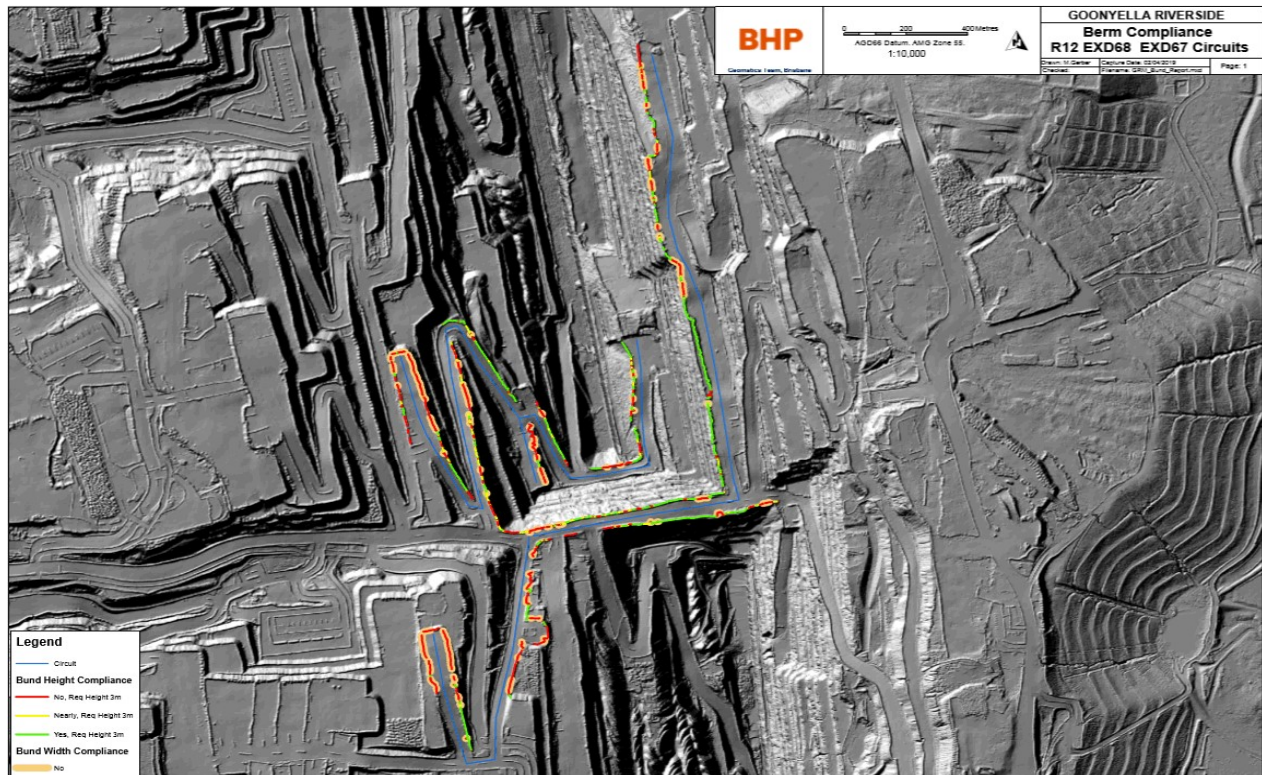


Figure 1. Survey pick-up of Excavator 67 & 68 circuits showing safety berm non-compliance to design requirements

- Excavator 7 was digging overburden and these trucks were hauling to a low wall dump.
- At the Ramp 14 proper crib hut the following issues were identified:
 1. There had been pre-start inspection recorded for light vehicle T12 since the 30th Mar-19. There were also some previously recorded pre-starts that had identified defects, but the white copy of the pre-start booklet had not been submitted. These white copies need to be submitted so the defects identified can be planned in for rectification.
 2. Light vehicle T11 also had some previously recorded pre-starts that had identified defects, but the white copy of the pre-start booklet had not been submitted.
 3. An electric cable running along the ground between the generator was exposed to potential traffic running over it, and we suggested there were better locations for the generator to be positioned so the cable was protected from traffic.
 4. Two coal mine workers had their long shirt sleeves rolled down, but not buttoned up.
- Dragline 14 was just starting a blocks pass in Ramp14.
- Roads conditions where we travelled were generally in a satisfactory state.

Prior to leaving site we held a close-out meeting with Brent Gee discussing all of the above and gaining a commitment that the issues identified during today's inspection will be appropriately addressed.

We would like to thank the Goonyella Riverside mine team for their time today and the information they shared with us.

| <u>Number</u> | <u>Directive</u> | <u>Due Date</u> |
|---------------|---|-----------------|
| 1 | Pursuant to section 166 of the Coal Mining Safety and Health Act 1999 Roadside Safety Berms | 03/05/2019 |

Audit all roadside safety berms for compliance to the SHMS' design requirements where there is a drop off greater than .5mt. The results of this audit are to be provided to myself, and where areas of non-compliance are identified a corrective plan to fix the non-compliance is to also be provided.

Please provide a written status report on each Directive together with the actions taken to address each item by their due dates



Creswick Bulger
Inspector of Mines

Luca Rocchi
Chief Inspector of Mines