



8th June 2022

INDUSTRY SAFETY AND HEALTH REPRESENTATIVE INSPECTION REPORT

NAME OF MINE:	Vulcan Mine
ADDRESS:	4093 Saraji Road, Dysart QLD 4745
SENIOR SITE EXECUTIVE:	Michael Cavanagh
CONTACT DETAILS:	0473 882 481 mike@vitrinite.com.au
INSPECTION DATE:	31 st May 2022
INSPECTION CONDUCTED BY	Jason Hill
Activity Type	Inspection

Note that the inspection conducted was a sample inspection only. It remains the primary responsibility of Management & Mineworkers to identify and correct defects not identified during the conduct of this inspection.

Under S.68 of the Act this entry forms part of the mine record and must be displayed as required under S. 69 of the Act

Today I Jason Hill Industry Safety and Health Representative (ISHR) undertook an inspection at the mine.

Upon arriving at the mine, I was met by Site Senior Executive (SSE)- Michael Cavanagh where an opening meeting was conducted with Operations Manager- Matt McGregor, Asset, processing and logistics Manager- Klint Miller, Operations Superintendent- Andrew Baily and Safety, Health, Emergency Management and Training Superintendent- Shane Walters, where the following was discussed.

- A mine update was given
 - Nearly all the coal reserves from the Jupiter Bulk Sample pit have been mined.
 - Currently waiting for the adjacent section of the Moranbah Dysart Road relocation to be completed to allow mining to continue.

Division of the Construction, Forestry, Maritime, Mining and Energy Union. Incorporating the Federal & State Registered Unions.

BLACKWATER

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Blackwater Qld 4717

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F 07 4982 6325

DYSART

20 Graham Drive
Dysart Qld 4745

P 07 4958 2318
F 07 4950 0065

MACKAY

33 Milton Street
Mackay Qld 4740

P 07 4957 2644
F 07 4951 3241

MORANBAH

Cnr Mills Avenue
& Bacon Street
Moranbah Qld 4744

P 07 4941 7004
F 07 4941 5269

ROCKHAMPTON

Level 5/156
Bolsover Street
Rockhampton Qld 4700

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- Recent High Potential Incident (HPI) of a collision that involved a road train driving forward to do a U-turn, in the process driving past a parked road train and the rear trailer making contact with the parked trailer. Controls have been made in the road train park up area to prevent reoccurrence of a similar incident.
- Recent injuries at the mine.
- Site Safety and Health Representatives (SSHR), there has been two attempts to undertake elections, but at this stage there has been no interest in people to nominate for the position.
- Open Cut Examiners (OCEs) and the new requirement for OCEs to obtain gas competencies. All but two OCEs have completed the new requirements. I explained the Coal Mining Safety and Health Advisory Committee (CMSHAC) had been discussing and arranging to add the RIIENV301E - Conduct atmospheric monitoring for some time. The Board of Examiners (BOE) has then decided to add the Certificate of Proficiency in Mine Gases and Gas Testing without advising the CMSHAC of their intent to add the extra requirement.
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An inspection was conducted of the mining area in the company of OCE Jim McIver
Where the following was observed.

- Jupiter Bulk Sample pit depicted the geological issues in the wall.
 - The misfire
 - OCE McIver explained at times while mining a slight smell of Hydrogen sulphide (H_2S), but no readings on the gas detector.
 - Partings were being dumped in pit; these partings contain Carbonaceous material.
- The go line, where OCE McIver explained how the park up (formula 1) go line worked.
- Dyno Pit, partings were being loaded out. OCE McIver explained the purpose of the 10-meter standoff bund in place.
- Dump 275 RL, where it was at its final RL. Some of the bunding was below the required 180m height.
 - The road on the entrance to the dump is rough and blown due to water crossing.



- The ROM was operating, the traffic management around the ROM appeared confusing and non-structured
- The road train park up area, I was able to observe the controls pit in place following the HPI.

- Production crib room, where the prestart meetings are conducted, OCE McIver ran through the days prestart presentation which was comprehensive and covered the required points
- In general the standard throughout the mining area were of a high standard.

An inspection of the workshop area was conducted in the company of Health Safety and Training Superintendent- Shane Walters, Turner's Engineering Maintenance Supervisor and Turner's Engineering Area Manger.

Where the following was observed.

- As we approached the workshop, I noticed the park up area of heavy vehicles and the associated bunding. I made inquiries into whether the bunding would be adequate to protect persons in the event of a tyre event after being struck by lightning. Considering the walkway access behind the park up area



- I inquired to the requirements of having the mobile crib hut secured as it was not secured. I was later informed that the crib hut was at the workshop to rectify a potential air conditioning fault. It was clear that the crib hut was set up and being used.



- A newly installed combination eyewash station and drench shower, access was obstructed with chairs. Signage needs to be erected to identify and demarcate the place of combination eyewash station and drench shower



- A light vehicle and trailer were observed to be parked adjacent to the heavy vehicle park up area. We checked to see the both the light vehicle and trailer, were able to identify that they had completed the introduction to site process. We were unable to ascertain whether they had been under went the introduction to site process. It was explained that a register exists and all vehicles requiring access to operating areas are required to undertake the introduction to site process. Stickers for vehicles have purchased and are a new addition.



- In the light vehicle park up area, it was noticed that a vehicle may not be parked to the mines requirements of being fundamentally stable. It was explained that his area had just been remediated. The area needs to provide for vehicle to be able to park fundamentally stable.



- Housekeeping throughout the area could have been to a better standard.



Closeout meeting:

Was conducted in the presence of SSE Cavanagh Operations Manager McGregor, and Safety. Health, Emergency management and Training Superintendent Walters, where the findings of the inspection were discussed, as well as the following.

- I inquired to the systems around the control and testing of potable water. The process was explained that all the water is treated on site at the water treatment plant and, this carried out by an external contractor. I raised question around as the mine expands the requirement of including testing at areas such as mobile crib huts. Testing is also conducted with monthly sample taken. The water quality risk assessment is in draft. The plant is water treatment plant is being upgraded, and presently waiting for parts to arrive.
- Traffic management plan on the ROM, currently the traffic management plan is somewhat perplexing. The use of different configuration of trailers with the loading on the road trains was the reason offered.

- I inquired to how/what is in place to prevent overloading the road trains. The following was explained.
 - The loaders have scales installed.
 - The scales are calibrated periodically
 - Trailers are loaded to weight depending on trailer configuration
 - The mine has record of each trailers loads.
 - The data is correlated and audited daily.
- I inquired to the control of spontaneous combustion, around the dumping of the Carbonaceous material in pit, it was explained there have been no issues at present, the mine has an obligation to perform rehabilitation and that the Carbonaceous material will be covered preventing the risk of spontaneous combustion.



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