

Mine Name	Mine ID	Operator	Activity Type	Activity Date
Jupiter Bulk Sample Pit	MI04148	Vulcan Mine Management Pty Ltd	Inspection	10/06/2021

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 in 1 or more conspicuous positions at the mine in a way likely to come to the attention of workers at the mine.

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:

Today, Thursday June 10, 2021 I, Mr Mark Royes, Inspector of Mines attended Jupiter Bulk Sample Pit to carry out an inspection of the operation.

Opening Meeting

On arrival, I had an opening meeting with Mr James Richardson (SSE), Mr Michael Cavanagh (Incoming SSE), Mr Matthew McGregor (Operations Manager) and Ms Nicole Davey (HSET Superintendent). At this meeting I explained that the main focus for today's inspection was to be various in-pit activities.

We then discussed the following items:

- I. Contract Management. All major activities at the site are all undertaken by contractors. The responsibility for their management is allocated to the HSET Superintendent. Evidence of contractor inductions were presented.
- II. The site has three Principal hazard Plans
 - a. Vehicle Interaction -site has adopted RS 19 fully for its road designs.
 - b. Blasting -the SSE has accepted the procedures presented by the drill and blast contractor.
 - c. Geotechnical- site uses a consultant for advice.
- III. Journey Management Plans and Medication Declaration Forms
 - a. Site requires employees to complete journey management plans when commencing employment if they travel more than 40 minutes before or after each shift. Most operators are on a fly in fly out roster.
 - b. A sample Medication Declaration form was also sighted. The requirement to

complete these is reinforced at induction and through health briefs. Forms are reviewed by the HSET team to determine if any restrictions are required.

SOP Review.

I then conducted a review of the SOPs relevant to the inspection's focus area. At the completion of these reviews, I was accompanied to the pit by Mr Richardson Mr Cavanagh and Mr McGregor.

The findings of these SOP reviews and the inspections that followed were:

Mobile Equipment Refuelling.

The risk assessment for this SOP was carried out in April 2021 by a cross-section of coal mine workers including an OCE. The SOP identified the following controls for this operation:

- a) Mobile plant is to be parked fundamentally stable including having implements lowered.
- b) Operators are to dismount from machine.
- c) Isolation procedures are to be followed
- d) Refuelling should be carried out at least 10 meters from the highwall.

Future reviews of the SOP may want the following to be considered:

- a) Tyres should be checked before commencing servicing
- b) Service truck should park parallel to the equipment being serviced
- c) Positive communication is to be carried out between service truck and equipment to be refuelled.

The following observations were made at the out of pit dump where a service truck was supplying oil to a dozer.

- a. the service trucks and dozers were parked fundamentally stable.
- b. the dozer was isolated.

A discussion was held with the serviceperson regarding the procedures he was working to. He was conversant with the procedures and had completed a TAKE 5 for the task.

Road Watering Procedures.

The risk assessment for this SOP was carried out in April 2021 by a cross-section of coal mine workers including an OCE. The SOP identified the following controls for this operation:

- a. Ensure positive communication when commencing watering on a circuit
- b. Commence watering where there is an adequate line of site

- c. Avoid overwatering
- d. Avoid congested areas

It is recommended that a process for when a road is overwatered be adopted such as communicating the hazard to the supervisor and OCE so the appropriate action can occur. This could involve a grader cutting a dry line.

A discussion was held with the operator of a water cart at the go-line. The operator was conversant with road watering procedures. He had completed a prestart equipment check and TAKE 5.

Dump Procedures.

The risk assessment for this SOP was carried out in September 2020 by a cross section of coal mine workers including an OCE.

The major steps included in the SOP included:

- a) A physical separation of one load is required between trucks and the dozer when dumping on the onside. Otherwise, positive communication must be made.
- b) Trucks are to approach the tip head in a clockwise direction.
- c) Trucks are not to tip into water or over a highwall edge
- d) Trucks should dump short if cracks are present.

Rear dump trucks running from excavator 18 were dumping out a construction pad so the usual dump procedures could not be observed.

Check and Examination of Work Area by Coal Mine Worker.

SOP 94 "Check, Examine and Restrict Work Areas" was created in September 2020 by a cross section of coal mine workers including an OCE and requires all coal mine workers to inspect their work area and complete a TAKE 5 if hazards are identified. Two of the operators interviewed above were able to produce their TAKE 5.

Other Observations

Other areas inspected and observation made included:

- i. Prestart area -OCE report was displayed. MRE reports were displayed.
- ii. Crib room – room contained a 1st aid kit. Electrical testing and tagging was up to date
- iii. Go-line – It is suggested that a walkway be put in place to minimise the time coal mine workers have to walk in front of other parked/parking trucks.
- iv. Excavator 18 circuit on a free dig hill. The set up at the face was up to standard with all equipment following the correct procedures.
- v. The south and north pits. These pits were not operating. The set up including drop zone protection was up to standard.
- vi. Overburden shot loading area. This area was operating with a traffic

management plan. A JRA was in place because entry to the reload area was on a corner of the haul road. The JRA required the circuit to be stopped when trucks were entering or leaving the reload area.

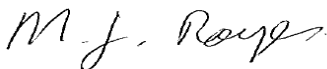
vii. ROM stockpile construction pad– Trucks and other equipment were operating on this job in a safe manner.

Close Out Meeting.

At the conclusion of the field visit I had a close out meeting with the opening meeting attendees. Here I asked for the training records and authorisations of the operators I had discussion with on the tour. The authorisation and training records of these operators were found to be up to date. I then explained my observations and made the following recommendations:

- i. Consider constructing a walkway at the go-line to minimise the time coal mine workers must walk in front of other parked/parking trucks.
- ii. Reenforce with coal mine works the need to use proper identification when communicating on the radio

On conclusion I thanked Mr Richardson for his and his team's time.



Mark Royes
Inspector of Mines