

Minutes for the Meeting held 13 December 2016 – Mt Arthur Coal Boardroom

ATTENDANCE

Dr. Colin Gellatly
Andrew Darnell
Katerina Stojakovic
Diane Gee
Alex MacDonald

ATTENDANCE

Jennifer Lecky
James Benson
Darren Pisters
Matt Lord
Gerrit de Boer
Peter Horder
Sarah Purser

Apologies

Ray Butchard
John Bancroft
Jenni Hayes

MT. ARTHUR COAL

Chair - Mt Arthur Coal CCC
Specialist Environment
Corporate Affairs Team Administrator
Community Representative
Community Representative

DRAYTON MINE

Muswellbrook Shire Council
Environmental Coordinator
Mine Manager
Environmental Superintendent
Community Representative
Community Representative
Meeting Minutes

Muswellbrook Shire Council
Community Representative
Community Representative

1. WELCOME/APOLOGIES

Col welcomed members to the Joint Drayton & Mt Arthur Coal CCC, apologies were advised and recorded and for the benefit of attendees a round table introduction was conducted.

2. HOUSEKEEPING & SAFETY

Kat confirmed that attendees had completed Mt Arthur Coal's site induction and provided an overview of evacuation procedures and the location of amenities.

3. DECLARATION OF PECUNIARY INTERESTS

Ongoing; Col advised that both he and Sarah are engaged by BHP to provide the respective roles of Chairperson and preparation of the Meeting Minutes. Alex advised that his father is Parliamentary Secretary for the Hunter.

4. CONFIRM MINUTES FROM LAST MEETING

Col confirmed that the Minutes for the last Meeting, held on the 8th of June 2016, had been circulated and called for approval. Members agreed to confirmation of these Meeting Minutes.

ENVIRONMENTAL PERFORMANCE; Presented by James Benson - Drayton & Andrew Darnell - Mt Arthur Coal Reporting Period: May 2016 to October 2016

Rail Movements	Total Tonnes	Maximum Train movements per day
Drayton Annual Limits	7 Mtpa	12
Drayton Actual	.79 Mt	8
Mt Arthur Coal Annual Limits	27 Mtpa	24
Mt Arthur Coal Actual	7.3 Mt	7

It was clarified that one train going in and out is classified as two movements.

Complaints (Drayton & Mt Arthur Coal)

No rail related complaints were received by Drayton or Mt Arthur Coal for this period.

Location of Monitoring Sites

For slide referencing; Red is Railway, Yellow is privately held residences, Blue squares are monitoring locations for both MAC & Drayton, Green also indicates monitoring locations.

These TEOM's and Depositional Dust Gauges are predominantly utilised for monitoring.

PM₁₀ Continuous Real Time Monitoring (Drayton)

All recordings for this reporting period were under the daily limit of 50 ug/m³.

The annual average limit is 30 ug/m³.

All levels were relatively low during the October reporting period.

PM₁₀ Continuous Real Time Monitoring (Drayton)

Presentation of the same data aligned with the Upper Hunter Air Quality Monitoring Network data.

For slide referencing; UHAQMN data is the Green line.

All recordings were relatively low with no exceedences.

Suspended Dust: Lot 22 Antiene HVAS (Drayton)

Lot 22 Antiene is a high volume air sampler that runs every six days.

Dust Fallout Gauge 2157 (Drayton)

All recorded data was relatively low and did not exceed the average limit.

Dust Fallout Gauge 2247 (Drayton)

Similar results with relatively low data.

PM₁₀ Antiene (Mt Arthur Coal & Drayton)

No exceedences were recorded in this reporting period.

Depositional Dust Gauge DD04 (Mt Arthur Coal)

Andrew confirmed similar results for Mt Arthur Coal with no exceedences and all monitoring data well within criteria limits. Andrew noted there had been a contaminated sample recorded in August and explained that this had contained animal by-products.

Predominant Winds (Mt Arthur Coal)

April; predominantly south east.

May/June; northerly aspect.

July/ August; north westerly.

September; winds dropped back a bit.

October; as weather warmed, winds tended to be north westerly aspect.

Attended Noise Monitoring (Drayton)

Periodic noise monitoring results L_{Aeq} (15minute)

For the period May to October there had been no exceedences of the noise criteria.

Attended Noise Monitoring is conducted monthly both in the morning and evening and there are noise limits in place.

~ Indicates if train noise was audible during attended noise monitoring.

James noted two recordings for September; Robertson - 42 dB(A) and Horder - 40 dB(A) and that investigations had confirmed the noise source had not been from the railway line but had come from traffic on the New England Highway. James explained that noise recordings were not always solely attributable to the railway line and that all other numbers had been well below compliance criteria.

Attended Noise Monitoring (Mt Arthur Coal)

Periodic noise monitoring results L_{Aeq} (15 minute) and L_{A1} (1 minute)

Andrew advised that Attended Noise Monitoring for Mt Arthur Coal is conducted by Private Contractors.

The Project approval noise impact assessment criteria (Intrusive criteria) for L_{Aeq} (15 minutes) is 38 dB(A) and for L_{A1} (1 minute) it is 45 dB(A).

Peak predicted noise level for receiver zone for 2016 is 41 dB(A).

There were no exceedences for L_{Aeq} (15 minute) and L_{A1} (1 minute) in the reporting period and all recordings were well within criteria.

Col queried who ascertains the peak predicted noise level for the receiver zone. Andrew advised this is derived from modelling when the first approval was granted i.e. part of the Project Approval. These modelling studies show peak times and what noise can be recorded. Andrew advised the L_{A1} (1 minute) assessment criteria is to allow for single noise impacts such as a "bang".

Col asked why there was not a peak predicted noise level for the receiver zone for 1 minute intervals. James responded that typically one off noises are not predicted, e.g. a train horn, however these would be recorded if they occurred when attended noise monitoring was being conducted.

Gerrit queried the difference between dust fall out and air pollution as he was concerned that it had been raised at a meeting in Town that pollution in Muswellbrook had been twice the allowable Australian standard and that Camberwell had been four times this standard.

James responded that dust can be suspended in the atmosphere or can fall out of suspension. Dust fall out can be monitored when captured in a dust gauge. James explained that air pollution is quite different and monitored utilising a different type of device. Typically pollution monitors effectively suck particles by using a small vacuum to draw air through and also have the capability to monitor gas. The Upper Hunter Air Quality Monitor in Muswellbrook will also pick up and monitor dust and Andrew confirmed that this data is available publically on line; ***NSW Government - Office of Environment & Heritage; Upper Hunter Air Quality Monitoring Network.***

James explained that the Dust Fallout Gauges measure all particles and it does not matter what size these are i.e. they can be larger particles and that all recordings from this monitoring had been under the limit. James advised that the TEOM's and continuous Real Time Monitoring will only pick up PM_{10} or smaller.

Gerrit's explained his query is if dust fall out has anything to do with air pollution, he understood that some pollution levels had been the same as at the airport and was astonished by this. Col confirmed that the Dust Fallout Gauges had not recorded high measurements and that monitoring data had been shown to be within the mines criteria. There was a general discussion around air pollution and consideration given to the fact that it measures other things, therefore there would be the need to clarify all the elements that contribute to pollution i.e. smoke, dust etc. It was also noted that what may look like dust might actually be wood smoke.

Jennifer had not seen recordings that had been greater than at the airport and advised that Council had watched these results regularly as there was interest in the readings for Muswellbrook and also Newcastle. Jennifer felt the PM_{10} and $PM_{2.5}$ results were higher in Sydney than in the Hunter. Jennifer gave an example of an elevated recording in winter and investigations into this spike had identified the cause to be wood smoke.

Gerrit gave the example of a person that is an asthmatic and has to carry around a puffer for this condition. Gerrit explained that this person did not have any problems before they moved to this area and wondered if that example is proof for his concerns regarding the impact of air pollution.

5. GENERAL BUSINESS

Status of Drayton Mine:-

James advised that Drayton had ceased all operations, coal and trains coming in and going out, and that the company does not propose to have any train movements for the foreseeable future.

Darren provided an outline of Drayton's current status including;

- ✚ Production has finished.
- ✚ The mine has been put into care and maintenance since October.
- ✚ Rehabilitation options are being reviewed i.e. whether to use Drayton's equipment or Contractors. Once this evaluation is completed rehabilitation will commence. Drayton will continue this rehabilitation of the mine over the next three years as that is the period anticipated to be required to fully rehabilitate and remove infrastructure. Current status of rehabilitation is that mulching and seeding have been completed and Drayton are pleased with the result.
- ✚ Drayton is in the process of selling equipment not being used along with some other items, there will be an Auction in Quarter 1 - 2017 and Drayton will communicate more detail on that closer to the time.
- ✚ Currently there are 10 Staff on site and a small number of Contractors.

Di queried what will happen with land that is leased out. James advised there will continue to be leasing opportunities and that which is currently rented out will continue.

Di asked when Drayton ceases will someone watch over the land that is leased. Drayton confirmed, yes, that leasing goes through a Muswellbrook Real Estate Agent so this Agent will maintain the management of these properties and Drayton will continue to oversee them as well.

James confirmed that Drayton have a requirement to continue the Joint CCC Meeting with Mt Arthur Coal and whilst Drayton will not be raiing, Mt Arthur will still do so. In addition, whilst Drayton are conducting rehabilitation there will be earth moving equipment involved, so dust monitoring will be continued.

6. NEXT JOINT CCC MEETING

13 June 2017