

# **Minutes of Rocglen Coal Mine**

## **Community Consultative Committee – Meeting #33**

**Meeting Held:** Wednesday 13<sup>th</sup> March 2019

**Venue:** Whitehaven Coal Gunnedah Office Boardroom

**Commencement Time:** 3:00pm

### **1. Present and Apologies**

**Present:** Mr John Sturgess (JS) – Independent Chairperson  
Mrs Pam Burns (PB) – Community Representative  
Andrew Raal (AR) – Environmental Officer  
Matthew Sparks (MS) – Operations Manager  
Mr Tim Muldoon (TM) – Group Manager Community Relations & Property  
Colleen Fuller (CF) – GSC Representative

**Apologies:** None

### **2. Minute Taking Requirements**

CF moved adoption of minutes. Pam seconded

### **3. Previous Minutes**

Minutes accepted as true record of the motion by CF and seconded by PB.

### **4. Business Arising from Previous Minutes**

None

### **5. Mine Progress Report**

MS presented 12 months of production and that Rocglen mine has 2,283 days LTI free. Production totalled 934,481t of coal mined, and 4,129,499m<sup>3</sup> of overburden moved.

Current planning is to cease coal mining by June 2019 and trucking will continue till August 2019.

Questions raised around redundancies and number of personnel on site. MS mentioned 26 WHC personnel on site and in total 32 including maintenance and contractors. Approximately half will remain on site – but no redundancies are expected. Moved to other sites

### **6. Review of Environmental Performance**

AR presented the environmental report. No issues with noise, blasting or groundwater.

AR noted that water is being trucked in from the Canyon void, shortage of onsite water.

AR informed the committee that dust results for depositional dust and HVA (PM10) monitoring had a number of exceedances. Committee agreed that it was due to regional dust events.

## **7. General Business**

PB raised that the full length of the road from Blue Vale turnoff to the CHPP haul rd was not been swept by the council street sweeper, only occasionally was the full length of the road being swept. TM requested AR to follow up with the CHPP and council.

Some members requested a site tour since the mine was going into closure.

## **8. Next Meeting**

11<sup>th</sup> September 2019, WHC Gunnedah office boardroom

## **9. Meeting End: 3:42pm**

# Rocglen Coal Mine

## Community Consultative Committee

### Meeting #34

#### Environmental Monitoring Report

September March2019 – August 2019

#### **Noise Monitoring**

Attended noise monitoring was undertaken from the 15<sup>th</sup> - 17<sup>th</sup> May 2019, in accordance with the Rocglen Noise Monitoring Program and Environment Protection Licence Guidelines (90 minutes during the day, 30 minutes during the evening and 60 minutes during the night and occur for 3 consecutive operating days).

Under the operating and meteorological conditions at the time of monitoring, both quarters returned readings that were compliant with the relevant operational limits.

In addition to operational noise, the noise from the mine must not exceed 45 dB(A) L1 (1 min) between the hours of 10 pm and 7 am. This is to minimise the potential for sleep disturbance as a result of individual loud noises from the mine.

#### **Blast Monitoring**

There were 9 blast in the period from Sept 2018 to Feb 2019, none exceeded approval conditions Table below)..

<b>SHOT NO</b>	<b>DATE</b>	<b>MONITOR LOCATION</b>	<b>PEAK OVERPRESSURE (dBL)</b>	<b>PEAK GROUND PRESSURE (mm/s)</b>	<b>TIME</b>
<b>Approval conditions</b>			<b>115.0</b>	<b>5.00</b>	
328	27-Sep-18	Retreat	106.7	0.23	9:04:09
328	27-Sep-18	Surrey	102.9	0.79	9:04:09
329	15-Oct-18	Retreat	107.3	0.28	12:29:07
329	15-Oct-18	Surrey	89.9	0.40	12:29:07
330	12-Nov-18	Retreat	96.9	0.22	12:08:14
330	12-Nov-18	Surrey	95.4	0.74	12:08:14

331	16-Nov-18	Retreat	87.2	0.06	9:13:06
331	16-Nov-18	Surrey	98.7	0.15	9:13:06
332	30-Nov-18	Retreat	97.6	0.19	9:09:00
332	30-Nov-18	Surrey	87.0	0.44	9:09:00
333	19-Dec-18	Retreat	105.3	0.22	9:17:00
333	19-Dec-18	Surrey	101.5	0.61	9:17:00
334	24-Jan-19	Retreat	95.8	0.16	15:05:01
334	24-Jan-19	Surrey	87.4	0.39	15:05:01
335	07-Feb-19	Retreat	95.6	0.27	12:08:55
335	07-Feb-19	Surrey	103.3	0.67	12:08:55
336	15-Feb-19	Retreat	90.3	0.13	12:00:55
336	15-Feb-19	Surrey	8.9	0.47	12:00:55

## **Air Quality**

### **Deposited Dust Results**

The deposited dust results ( $\text{g}/\text{m}^2/\text{month}$ ) for 2018 have a number of high values. With two sites having above annual average requirement. High dust values have been linked to regional dust storms. Monitoring sites for other operations across the region also had similar high dust values.

### Deposited Dust Monitoring Data Summary 2018

	BD3 (Belah)	BD4 (Surrey)	BD5 (Stratford)	BD6 (Roseberry)	BD7 (Roseglass)	BD8 (Yarrowonga)	BD2A (Penryn)
Month	Insoluble Matter (g/m <sup>2</sup> /month)						
Sep-17	4.8	2.6	3.2	1.4	2.8	2.8	2.4
Oct-17	11.1	2.3	1.13	1.3	0.9	0.9	2.1
Nov-17	12.3	1.69	1.2	1.3	2.2	2.2	2.6
Dec-17	5.6	3.1	0.8	1.1	3.4	3.4	4.8
Jan-18	0.8	0.6	0.9	0.6	1.7	1.7	1.8
Feb-18	0.8	0.8	1.1	1	1	1	2.2
Mar-18	1.7	0.7	1	1.2	0.6	0.6	7.2
Apr-18	1	2.5	1	1.1	1.4	1.4	3.3
May-18	2.4	2.4	2.4	2.3	2.7	2.7	11.2
Jun-18	8.7	2.8	3.2	1.5	1.3	1.3	2.7
Jul-18	3.9	2.3	4.4	2.1	3.1	3.1	7.7
Aug-18	2.1	2.7	1.9	2.7	5.4	5.4	6.3
<b>Annual Average</b>	4.6	2.0	1.9	1.5	2.2	2.2	4.5

#### PM<sub>10</sub> Results for 2018

The annual averages for PM<sub>10</sub> for 2018 were high due to regional dust storms. Costa Vale had six exceedances above daily limit of 50µg/m<sup>3</sup>. 15<sup>TH</sup> December had a value of 175 which put the 2018 average over the annual limit of 30 µg/m<sup>3</sup>

#### 2018 PM<sub>10</sub> results

Costa Vale: 30.31 µg/m<sup>3</sup>

Roseberry: 21.59 µg/m<sup>3</sup>

The real time PM<sub>10</sub> monitor at Roseberry is currently operating to send alarms to operations in the event that PM<sub>10</sub> levels approach compliance limits.

## **Water Monitoring**

### **Ground Water**

Of the 14 bores monitored for water levels 7 had an increase in levels (average 0.8m) and 7 had slight drop in level (average 0.65m). There have been no change to water quality with all bores within long-term quality ranges.

### **Surface Water**

All dams on surface are dry except for inpit and ROM dams that are being refilled with water trucked in from Canyon mine. There have been no water discharge leaving the mine site.

### **Complaints**

Enquiry into water quality on property regarding water quality on one of our monitoring bores. Detailed water quality analysis showed no issues.

### **Rehabilitation**

Some ongoing tube stock watering, have low survival rate as the drought continues. Detailed rehabilitation planning is currently being undertaken as Rocglen is scheduled to stop production by end June 2019.

### **Other**

- Detailed mine closure plan for Rocglen has been submitted to regulators for approval.



## **Minutes of Rocglen Coal Mine Community Consultative Committee – Meeting #34**

**Meeting Held:** Wednesday 11<sup>th</sup> September 2019

**Venue:** Whitehaven Coal Gunnedah Office Boardroom

**Commencement Time:** 2:00pm

### **1. Present and Apologies**

**Present:** Mr John Sturgess (JS) – Independent Chairperson  
Andrew Raal (AR) – Environmental Officer  
Matthew Sparks (MS) – Mine Operations Manager Vickery  
Craig Sullivan (CS) – Operations Manager Rocglen/Sunnyside  
Daryl Robinson (DR) – Project Manager - Mine Rehabilitation  
Colleen Fuller (CF) – GSC Representative  
Sandra Donnelly (SD) – Group Administration Officer (minutes)

**Apologies:** Mrs Pam Burns (PB) – Community Representative

### **2. Minute Taking Requirements**

CF moved adoption of minutes. AR seconded

### **3. Previous Minutes**

Minutes accepted as true record of the motion by CF and seconded by AR.

### **4. Business Arising from Previous Minutes**

- Blue Vale Road  
AR advised that the Blue Vale Road turnoff to the CHPP Haul Road has been resolved. CF advised that she had travelled on the road this morning and reported road was fine.

### **5. Mine Progress Report**

MS reported Financial Year Overburden moved 4.744 M BCM, Coal 879 tonnes versus planned 824 tonnes.

Coal Haulage 1.7 tonnes, last coal mined 26/6/19, last coal hauled 26/7/19.

MS reported that there is no coal on site, the mining operation is now in rehabilitation. Workforce has been reduced to half, the other half has been relocated to Tarrawonga. Rocglen shift cycle is Monday to Friday day shift only, rehabilitation is expected to continue till 2021.

MS reported rejects from the CHPP is still being trucked to Rocglen. AJ questioned if the rejects are used for landfill. MS advised that the rejects are placed in the void. AR



responded that the minimum requirement of 3m depth of cover over carbonaceous material.

AJ questioned whether the site was previously accepting rejects. MS responded that Rocglen has always accepted rejects, it was previously backhauled.

## **6. Review of Environmental Performance**

AR presented the environmental report and advised no community complaints or issued had been received.

AR advised that the quarterly noise monitoring had taken place in May and the next one was due in September. Road noise monitoring all good.

Blast monitoring – AR advised 5 blast since last meeting, the last 2 blast were for high wall shaping in May & June, last production blast was in April. AJ questioned if Rocglen has completed all their blasting, AR advised that all blasting had been completed.

Air Quality – AR advised that deposited dust results had a number high readings due to regional dust storms. Dust reading requirements of 4 milligrams over a 12 month average were well below required level of 4mg/m/m<sup>2</sup>.

Bores – AR advised that water levels in bores rainfall dependent.

Surface Water – AR advised no discharge off site, advising that there is still a fair bit of water in dams, due to the cooler weather and the reduction in the need for dust suppression.

Rehabilitation – DR advised that rehabilitation is going well. JS enquired to the survival of the tree planting. DR responded there had not been any established tree deaths, new plantings are being hand watered.

AJ spoke about deep rooted stock method which was used at Dubbo Council, suggesting that WHC could make contact with them to discuss this method. AR advised that a trial had taken place using milk cartons around tube stock, but the kangaroos had eaten the milk cartons and destroyed some of the tube stock. CF advised that a new gel has been used successfully in the Hunter Valley. AR noted that additional tube stock is being planted along the Wean Road fence line.

AJ questioned whether there has been any wildlife or stock deaths in the dams, advising that Council had erected fencing around dams. MS advised that there is fencing around the mine sites but not the dams, stating that there has not been any wildlife or stock deaths in dams.

**7. General Business**

CF questioned whether a WHC vehicle will be available to transport committee members to meetings on site. AR advised that transport can be arranged if meetings are held on site.

**8. Next Meeting**

11<sup>th</sup> March 2020, WHC Gunnedah office boardroom

**9. Meeting End: 2:15pm**

# Rocglen Coal Mine

## Community Consultative Committee

### Meeting #34

#### Environmental Monitoring Report

#### September March 2019 – August 2019

### Complaints

No community complaints have been received since last CCC meeting.

### Noise Monitoring

Attended noise monitoring was undertaken from the 15<sup>th</sup> - 17<sup>th</sup> May 2019, was in accordance with the Rocglen Noise Monitoring Program and Environment Protection Licence Guidelines (90 minutes during the day, 30 minutes during the evening and 60 minutes during the night and occur for 3 consecutive operating days).

Annual attended road noise motioning of the haul trucks was undertaken in conjunction with Tarrawonga Mine. There were no non-conformances. Reports are on the WHC webpage.

### Blast Monitoring

There were 5 blast in the period from March 2018 to June 2019, none exceeded approval conditions (Table 1). Blasting at the operations has ceased and blast monitors have been decommissioned.

**Table 1 Blast monitoring results for the period**

<b>SHOT NO</b>	<b>DATE</b>	<b>MONITOR LOCATION</b>	<b>PEAK OVERPRESSURE (dBL)</b>	<b>PEAK GROUND PRESSURE (mm/s)</b>	<b>TIME</b>
<b>Approval conditions</b>			<b>115.0</b>	<b>5.00</b>	
337	07/Mar/19	Retreat	105.6	0.30	12:21
337	08/Mar/19	Surrey	105.5	0.76	13:21
338	28/Mar/19	Retreat	99.4	0.79	12:29
338	28/Mar/19	Surrey	100.6	0.13	12:29
339	03/Apr/19	Retreat	104.3	0.22	12:48

339	04/Apr/19	Surrey	97.8	0.94	12:48
340	13/May/19	Retreat	103.7	0.25	12:03
340	13/May/19	Surrey	102.3	1.03	12:03
340	18/Jun/19	Retreat	95.6	0.02	09:00
340	18/Jun/19	Surrey	100.8	0.04	09:00

## Air Quality

### Deposited Dust Results

The deposited dust results ( $\text{g}/\text{m}^2/\text{month}$ ) for the past 11 months (Table 2) had a number of high values due to regional dust storms. Annual mean of all sites were below the  $4 \text{ g}/\text{m}^2/\text{month}$ . August 2019 dust analysis is still being finalised as there were laboratory errors that are being resolved.

**Table 2 Deposited Dust Monitoring Data Summary Sept 2018 July 2019**

Month	BD3 - Belah	BD4 - Surrey	BD5 - Stratford	BD6 - Roseberry	BD7 - Roseglass	BD8 - Yarrowonga	BD2-A - Penryn
Sep-18	1.9	1.7	1.9	1.3	2.1	1.9	8.7
Oct-18	2	1.4	1.7	0.9	0.8	0.8	2
Nov-18	6.2	1.7	3	1.6	2.5	2.8	6.2
Dec-18	1.6	2.1	1.4	2.1	4.1	1.7	3.8
Jan-19	2.5	3.4	3.2	2.7	3.1	2.9	2.6
Feb-19	1.2	1	1.1	0.9	3.1	1.6	2.9
Mar-19	1.9	2.2	1.7	1.9	1.5	0.2	1.9
Apr-19	2.7	4.1	0.1	0.9	2.6	0.8	2
May-19	1.7	6	1.7	1.7	1.3	1	1.5
Jun-19	1.7	3.7	2.6	1.3	1.2	0.9	1.3
Jul-19	1.5	4.4	1.6	1	1.1	1	0.6
Mean	<b>2.26</b>	<b>2.88</b>	<b>1.82</b>	<b>1.48</b>	<b>2.13</b>	<b>1.42</b>	<b>3.05</b>

### **PM10 Results for 2018**

A few of the 6 daily samples had high readings due regional dust storms. Roseberry had an annual average of  $25.5 \mu\text{g}/\text{m}^3$  for the last 12 months, which is within the annual limit of  $30 \mu\text{g}/\text{m}^3$ .

One reading was missed in September 2018 due to power trip to the dust monitor which was a result of heavy rainfall during the sampling period and localised power outage.

## **Water Monitoring**

### **Ground Water**

Of the 14 bores, monitored drop in water levels were between 5cm to 20cm. There have been no change to water quality with all bores within long-term quality ranges.

### **Surface Water**

There have been no water discharge leaving the mine site. Trucking from Canyon mine was stopped after the March rainfall events where the mine site dams were filled due to the intensity to the rainfall +80mm in less than 3 hours.

## **Rehabilitation**

Coal mining has ceased and bulk earthwork rehabilitation work has started with the reworking of the Western Emplacement.

## **Other**

Rocglen Mine Closure MOP (Mine Operational Plan) has been submitted and is going through regulatory review. All production on the mine has ceased. Reject coal will still be received from the Gunnedah CHPP for approximately the next 2 years.