

Minutes of Rocglen Coal Mine

Community Consultative Committee – Meeting #32

Meeting Held: Wednesday 12th September 2018

Venue: Rocglen Coal Mine Training Room

Commencement Time: 3:00pm

1. Present and Apologies

Present: Mr John Sturgess (JS) – Independent Chairperson
Mrs Pam Burns (PB) – Community Representative
Emily Clements (EC) – Graduate Environmental Officer
Ivan Van Rooyen (IVR) – Operations Manager
Mr Rod Barnes (RB) – Community Representative
Mr Tim Muldoon (TM) – Group Manager Community Relations & Property
Colleen Fuller (CF) – GSC Representative

Apologies: N/A

2. Minute Taking Requirements

EC to take minutes.

3. Previous Minutes

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

4. Business Arising from Previous Minutes

- EC mentioned that Rod brought up matter of soil stacked up along his fence line from grading firebreaks. Soil was removed and action completed if Rod was happy with outcome.
- RB yes, ok.

5. Mine Progress Report

- IVR – good safety performance with site being 2,102 days LTI free. Coal production a reasonable total at the end of August (575,186t) and approximately 2.4 million m³ overburden moved.
- PB questioned whether they were given production numbers.
- JS commented that in the past they have always been given verbally but that they would be noted in the minutes.
- EC noted that since last CCC meeting, night shift had started back up again.

6. Review of Environmental Performance

- EC stated:
 - There had been two rounds of attended monitoring undertaken since the last meeting. All results were compliant at both Surrey and Retreat.
 - Deposited dust gauges are placed in the area surrounding the site, with the annual average criteria being 4g/m²/month. All sites show results below criteria.
 - The two HVAS units ('Costa Vale' to the north and 'Roseberry' to the south) both returning averages below criteria, which, given the dry weather, is good news.
 - Groundwater at all bores remains consistent.
 - Monitoring not undertaken at SD3 and SB19 for last two rounds as dams were dry. Dam B also not monitored for most recent round as a result of being dry. SD7 across the road off the mine site, showed a spike in Grease and Oil but cause is unknown and not deemed mine related as it is off site. Void EC spiked in recent monitoring round but is likely due to dry weather – will continue to monitor.
 - All blast results have returned compliant, no exceedances.
 - One complaint where complainant noted rubbish thrown on Wean Road. Complaint followed up and all operators were advised that if this was the case, it was not to happen.
 - Infill planting undertaken since last CCC following poor success of previous planting campaigns due to dry weather. Just over 2000 trees planted. Differing from last round, maintenance water continues, with milk cartons used to prevent herbivory and keep in moisture, and mulch also being trialled to help with moisture retention.
- IVR noted trees were looking good
- EC other matters to note:
 - Annual review for the site approved by DP&E and if interested, is available for anyone to look at on the website.
 - Several management plans also revised and approved, and available online.
 - DRG implemented a revision to Rocglen's Mine Lease (ML) (which was also done at other mine sites) to outline reporting in the event of an incident.
 - Whitehaven looking to continue 4Mtpa cumulative road haulage and is pursuing a modification of the project approval. There would be no change from what is currently in place.
- RB questioned what the ML variation involved and whether it was extending the project.
- IVR advised it was only a change to environmental incident reporting.
- EC confirmed – variation only changes a small section of the ML to say that a report would be provided to DRG within 7 days of an incident occurring. Variation does not affect operations/there is not extension of mine life, simply just a reporting change.

7. General Business

- JS asked if anyone had anything they wished to discuss.
- TM noted though this wasn't really Rocglen relevant, the Vickery EIS would be formally on display as of the following day. Has been with the department and gone

through quality assurance, but a review would be once on display. Open for public submissions, and copies are available at Whitehaven, council and online.

- Road haulage would eventually stop once rail line was established, this would be a couple of years until track complete. Opportunity for people to submit positive and negative feedback.
- CF noted the project was also in the Gunnedah Shire.
- TM stated project has already been approved, but seeking to extend a small proportion to north and south. Will go from 4Mtpa to 7Mtpa with a maximum of 10Mtpa. Big thing to get trucks off the haul road.
- JS asked if presumably this will begin once Rocglen closes up?
- TM noted this wouldn't quite be the case.
- CF asked how many employees were currently at Rocglen?
- IVR stated 20-22 operators, plus maintenance which is shared with Tarrawonga, and additional contractors. Staff to be transitioned to Vickery and other mines - opportunities opening up.
- RB had query regarding water at Werris Creek Mine. Noted he had spoken to people who advised they had purchased sprays for water onsite. Questioned why water was not being put to use on farming country.
- JS noted this wasn't a problem for Rocglen.
- RB mentioned farming missing out on water.
- CF stated this was not allowed.
- TM added that water has to stay on site, it is one of the mines regulations.
- JS asked if RB was happy with response
- RB agreed.

8. Next Meeting

- JS asked if date for next meeting had been proposed.
- EC advised date hadn't been set but would arrange for the next in another 6 months.
- TM mentioned the prospective of having next meeting in town.
- IVR said he was happy to try and accommodate.
- PB agreed it would be much easier in terms of getting to and from work.

9. Meeting End

3:16pm

Rocglen Coal Mine Community Consultative Committee Meeting #32

Environmental Monitoring Report February 2018 – August 2018

Noise Monitoring

Attended noise monitoring was undertaken from the 27th March 2018 – 1st April 2018, and the 19th June 2018 – 21st June 2018, 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). Results are outlined below:

Location	Date	Start Time	Period (mins)	Rocglen Measured Levels – dB(A) Leq 15min Day	Rocglen Measured Levels – dB(A) Leq 15min Evening	Rocglen Measured Levels – dB(A) Leq 15min Night	Rocglen Measured Levels – dB(A) LA 1min Night	Limits	Wind Speeds (m/s)	Compliant (Y/N)
Retreat	27/03/18	15:56	90	<25				35 dB(A)	2.5	Y
		21:22	30		I/A			Leq (15 min)	3.5	Y
		22:00	60			I/A		Day,	3.9	Y
		22:00	60				I/A	Evening,	3.9	Y
	28/03/18	11:21	90	I/A				Night	1.5	Y
		21:20	30		I/A			45dB(A)	1.5	Y
		22:00	60			I/A		LA (1 min)	1.8	Y
		22:00	60				I/A	Night	1.8	Y
	1/04/18	8:20	90	31					2.3	Y
		21:17	30		<20				1.0	Y
		22:00	60			<20			2.0	Y
		22:00	60				20		2.0	Y
Surrey	27/03/18	14:05	90	I/A				35 dB(A)	2.5	Y
		20:30	30		<25			Leq (15 min)	3.8	Y
		22:05	60			<30		Day,	4.9	Y
		22:05	60				<30	Evening,	4.9	Y
	28/03/18	9:33	90	27				Night	1.4	Y
		20:33	30		<20			45dB(A)	1.7	Y
		22:01	60			<20		LA (1 min)	1.8	Y
		22:01	60				<25	Night	1.8	Y
	1/04/18	10:10	90	I/A					2.8	Y
		20:28	30		I/A				0.8	Y
		22:00	60			I/A			2.0	Y
		22:00	60				I/A		2.0	Y
Retreat	19/06/18	8:58	90	31				35 dB(A)	1-2	Y
		20:54	30		27			Leq (15 min)	2-3	Y

	20/06/18	22:02	60			28		min)	3-4	Y	
		22:02	60				33	Day,	3-4	Y	
		8:42	90	26				Evening,	2-3	Y	
		20:28	30		28			Night	3-4	Y	
		23:33	60			24		45dB(A)	0-1	Y	
		23:33	60				27	LA (1	0-1	Y	
	21/06/18	8:58	90	I/A				min)	0-1	Y	
		20:06	30		23			Night	0	Y	
		23:30	60			24			0-1	Y	
		23:30	60				29		0-1	Y	
	Surrey	19/06/18	8:24	90	I/A				35 dB(A)	1-2	Y
			20:38	30		I/A			Leq (15	2-3	Y
22:56			60			I/A		min)	3-4	Y	
22:56			60				I/A	Day,	3-4	Y	
20/06/18		10:50	90	I/A				Evening,	4	Y	
		21:24	30	-	I/A			Night	0-1	Y	
		22:01	60	-	-	I/A		45dB(A)	0-1	Y	
		22:01	60	-	-	-	I/A	LA (1	0-1	Y	
21/06/18		11:01	90	I/A	-	-	-	min)	2-3	Y	
		21:01	30	-	23	-	-	Night	0-1	Y	
		22:01	60	-	-	25	-		0-1	Y	
		22:01	60	-	-	-	26		0-1	Y	

The results show that, 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. During the night time monitoring during the period the L1 (1 min) noise from the mine did not exceed 45 dB(A) at either monitoring location.

Road Traffic Noise Monitoring was undertaken across the 16th-17th July 2018, results returned compliant.

Blast Monitoring

Since the first blast there have been 327 blasts (until the end of August 2018). None of the blasts since the previous CCC meeting have exceeded the 95th percentile blast criterion set for the site.

Air Quality

Deposited Dust Results

The deposited dust results (g/m²/month) obtained for the site over the last 12 months are as follows:

Deposited Dust Monitoring Data Summary 2017

	BD3 (Belah)	BD4 (Surrey)	BD5 (Stratford)	BD6 (Roseberry)	BD7 (Roseglass)	BD8 (Yarrowonga)	BD2A (Penryn)
Month	Insoluble Matter (g/m²/month)						
Sep 2017	1.0	1.0	0.6	1.3	0.9	25.8	1.2
Oct 2017	3.6	1.1	0.9	1.2	1.2	1.8	
Nov 2017	1.5	0.8	17.0	2.2	21.4	7.8	1.8
Dec 2017	1.9	1.7	1.1	1.6	1.4	0.5	2.6
Jan 2018	4.8	2.6	3.2	1.4	2.8	1.1	2.4
Feb 2018	11.1	2.3	1.1	1.3	0.9	0.9	2.1
Mar 2018	12.3	1.7	1.2	1.3	2.2	1.3	2.6
Apr 2018	5.6	3.1	0.8	1.1	3.4	1.0	4.8
May 2018	0.8	0.6	0.9	0.6	1.7	0.6	1.8
Jun 2018	0.8	0.8	1.1	1.0	1.0	1.9	2.2
Jul 2018	1.7	0.7	1.0	1.2	0.6	1.3	7.2
Aug 2018	1.0	2.5	1.0	1.1	1.4	1.3	3.3
Annual Average	3.8	1.6	2.5	1.3	3.2	3.7	2.9

The annual average at all sites remains below the concentration threshold of 4g/m²/month.

PM₁₀ Results

The annual averages for PM₁₀ levels up until the end of August 2018 remain below the annual average limit of 30µg/m³, as follows:

Costa Vale: 25 µg/m³

Roseberry: 16.06 µg/m³

The real time PM₁₀ monitor at Roseberry is currently operating to send alarms to operations in the event that PM₁₀ levels approach compliance limits.

Water Monitoring

Ground Water

Groundwater monitoring data for this CCC period is presented in the following table. Standing Water Level (SWL) graphs of bores with sufficient data sets are also provided.

Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
MP2	26/03/18	12.2	6.8	5290
	20/06/18	12.6	6.8	5230
MP2a	26/03/18	13.10	7.1	3290
	20/06/18	13.49	7.0	3170

Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
MP3	26/03/18	Insufficient water to sample		
	20/06/18	Insufficient water to sample		
MP3a	26/03/18	22.2	7.9	1320
	20/06/18	22.2	7.8	1320
MP4	26/03/18	Insufficient water to sample		
	20/06/18	Insufficient water to sample		
MP4a	26/03/18	29.05	7.7	4180
	20/06/18	29.12	7.6	4220
MP4b	26/03/18	25.7	8	3120
	20/06/18	25.74	7.8	3090
MP5	26/03/18	Insufficient water to sample		
	20/06/18	Insufficient water to sample		
MP5a	26/03/18	Insufficient water to sample		
	20/06/18	Insufficient water to sample		
MP6	26/03/18	8.29	7.8	1920
	20/06/18	8.34	7.7	1886
MP7	05/04/18	17.12	7	3080
	21/06/18	18.07	7	3050
MP8	05/04/18	16.57	6.4	4560
	21/06/18	18.28	7	4310
WB1	26/03/18	8.0	Windmill over bore	
	20/06/18	8.22	Windmill over bore	
WB2	26/03/18	15.52	7.8	3010
	20/06/18	16.2	7.8	3080
WB3	05/04/18	7.76	Pump over bore	
	21/06/18	7.48	Pump over bore	
WB4	05/04/18	Pump over bore		
	21/06/18	Pump over bore		
WB5	26/03/18	11.80	8.1	7780
	20/06/18	13.20	7.4	7820
WB6	26/03/18	21.97	Windmill over bore	
	20/06/18	22.24	Windmill over bore	
WB7	26/03/18	12.03	Windmill over bore	
	20/06/18	12.26	Windmill over bore	
WB8	05/04/18	29.02	Windmill over bore	
	21/06/18	30.75	Windmill over bore	

Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
WB9	05/04/18	24.37	Pump over bore	
	21/06/18	23.82	Pump over bore	
WB10	05/04/18	14.15	6.9	2060
	21/06/18	14.30	6.9	1916
WB11	05/04/18	18.49	7.6	977
	21/06/18	18.64	7.6	943
WB12	05/04/18	13.27	8.4	1825
	21/06/18	13.40	8.4	1810
WB13	05/04/18	41.00	7.2	3350
	21/06/18	41.83	7.1	3410
WB-14	05/04/18	28.43	7.6	1254
	21/06/18	25.81	7.7	1268
WB-15	05/04/18	27.68	7.0	1463
	21/06/18	27.65	7.0	1483
Production Bore	26/03/18	Pump over bore	7.9	3620
	21/06/18	Pump over bore	7.8	3680
Surrey No.2	05/04/18	33.70	7.2	3280
	21/06/18	33.33	7.3	3160

Standing water level trends have remained relatively consistent since the last CCC meeting. Standing water level graphs can be found in the appendix of the 2017 Annual Review available on the WHC Website.

Surface Water

Overall, surface water samples taken throughout the reporting period indicate relative consistency across all monitoring parameters, with the exception of Total Suspended Solids (TSS) which continues to show fluctuations for all sites due to fluctuating water levels.

As a result of the dry weather, SD3 and SB19 have been dry for the last two rounds of monitoring, and Dam B was dry during the most recent monitoring round. August 2018 monitoring at SD7 shows a spike in the Grease and Oil (6mg/L), the cause of which is unknown as this dam is not on the mine site. The Void Electrical Conductivity also spiked during the last monitoring round.

Complaints

One complaint has been received since the last CCC meeting, and was in relation to littering on Wean Road. Site personnel were spoken to during pre-start talks and advise this is not to occur.

Rehabilitation

Infill planting was undertaken at the end of June 2018, with just over 2000 trees planted. Maintenance watering continues to be undertaken. Differing from the last planting campaign,

milk cartons have been used to assist with the prevention of herbivory, as well as to maintain moisture. Mulch was also spread around the trees to support moisture retention.

Other

- Rocglen's 2017 Annual Review was approved by the Department of Planning and Environment on the 2nd July 2018 and is now available on the Whitehaven Coal Website.
- The approved versions of several updated management plans are also now available on the website.
- A variation to Rocglen's Mining Lease (ML1662) was instated by the Division of Resources and Geoscience. This variation became effective as of 20th June 2018 and briefly outlines the requirements for the Environmental Incident Reporting process.
- Whitehaven pursuing the modification of the Rocglen Project Approval to permit the continuation of the Tarrawonga/Rocglen 4Mtpa cumulative road haulage for CY18.