

## Rocglen Coal Mine- Monthly Monitoring Summary

### Site Information

**EPL No:** 12870

**EPA Website Link:** <http://epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=40278&SYSUID=1&LICID=12870>

**Licensee:** Whitehaven Coal Mining Pty Ltd

**Licensee Address:** Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** June 2020

**Obtained Date:** 13th June 2020

**Publication Date:** 15th June 2020

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date(s) Obtained	Min Value	Mean Value	Median Value	Max or Only Value
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	16/04/2020	23/04/2020	-	-	-	1.8
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	16/04/2020	23/04/2020	-	-	-	0.5
10	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	11/05/2020	0.8	5.04	4.3	8
11	TSS	mg/L	Special Frequency 1*	0						
	Conductivity	µS/cm								
	Oil & Grease	mg/L								
	pH	pH								
	Total organic carbon	mg/L								
12	Conductivity	µS /cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
13	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-
	Oil & Grease	mg/L					-	-	-	-



# WHITEHAVEN COAL

## Rocgen Coal Mine- Monthly Monitoring Summary

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date(s) Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	pH	pH					-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
14	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-
	Oil & Grease	mg/L					-	-	-	-
	pH	pH					-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
15	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-
	Oil & Grease	mg/L					-	-	-	-
	pH	pH					-	-	-	-
	Total organic carbon	mg/L					-	-	-	-

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date(s) Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 1*	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L					-	-	10	-	
	pH	pH					-	-	6.5-8.5	-	
12	TSS	mg/L	Special Frequency 1*	-	-	-	-	-	50	-	-
	Oil & Grease	mg/L					-	-	10	-	
	pH	pH					-	-	6.5-8.5	-	

\* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.



# WHITEHAVEN COAL

## Rocgen Coal Mine- Monthly Monitoring Summary

\*\* Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.

**Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value/Only Value
16	Aluminium	mg/L	Yearly	0	-	Issued 28May 2020, received 13/05/2020	-	-	-	4.48
	Arsenic	mg/L					-	-	-	0.008
	Bicarbonate	mg/L					-	-	-	119
	Chloride	mg/L					-	-	-	59
	Iron	mg/L					-	-	-	3.12
	Manganese	mg/L					-	-	-	0.039
	Sodium	mg/L					-	-	-	107
16	Conductivity	µS/cm	Quarterly	0	20/05/2020	Issued 28May 2020, received 13/05/2020	-	-	-	580
	Oil & Grease	mg/L					-	-	-	<5
	pH	pH					-	-	-	8.6
	TOC	mg/L					-	-	-	3
	TSS	mg/L					-	-	-	36



## Rocgen Coal Mine- Monthly Monitoring Summary

Quarterly noise monitoring undertaken in June 2020 found no non-conformances.

**Table 4-1 Summary of noise assessment at N1**

Date	Time	Noise Limits $L_{Aeq,15 min}$	N1 Mine $L_{Aeq}$ Noise Level (dB)		
			Measured Mine Contribution	Additional LF Penalty	Exceedance
09/062020	11:41	35	<12 (IA) <sup>1</sup>	-	0
	11:56	35	<13 (IA) <sup>1</sup>	-	0
	12:11	35	<15 (IA) <sup>1</sup>	-	0
	12:26	35	<20 (IA) <sup>1</sup>	-	0
	12:41	35	<16 (IA) <sup>1</sup>	-	0
	12:56	35	<17 (IA) <sup>1</sup>	-	0
	20:18	35	<8 (IA) <sup>1</sup>	-	0
	20:33	35	<8 (IA) <sup>1</sup>	-	0
	23:18	35	0 <sup>2</sup>	-	0
	23:33	35	0 <sup>2</sup>	-	0
	23:48	35	0 <sup>2</sup>	-	0
	00:03	35	0 <sup>2</sup>	-	0
	10/062020	20:14	35	<14 (IA) <sup>1</sup>	-
23:21		35	0 <sup>2</sup>	-	0
23:36		35	0 <sup>2</sup>	-	0
23:51		35	0 <sup>2</sup>	-	0
00:06		35	0 <sup>2</sup>	-	0
11/06/2020	11:00	35	<12 (IA) <sup>1</sup>	-	0
	11:15	35	<11 (IA) <sup>1</sup>	-	0
	11:30	35	<13 (IA) <sup>1</sup>	-	0
	11:45	35	<13 (IA) <sup>1</sup>	-	0
	12:00	35	<12 (IA) <sup>1</sup>	-	0
	12:15	35	<15 (IA) <sup>1</sup>	-	0
	20:33	35	<6 (IA) <sup>1</sup>	-	0
	20:48	35	<6 (IA) <sup>1</sup>	-	0
	23:20	35	0 <sup>2</sup>	-	0
	23:35	35	0 <sup>2</sup>	-	0
23:50	35	0 <sup>2</sup>	-	0	
00:05	35	0 <sup>2</sup>	-	0	

<sup>1</sup> Where mine noise was inaudible throughout the entire measurement, it is assumed that the contribution is less than 10dB below the measured  $L_{Aeq}$ .

<sup>2</sup> The mine was not operating during the night period.



# WHITEHAVEN COAL

## Rocgen Coal Mine- Monthly Monitoring Summary

Table 4-3 Summary of noise assessment at N2

Date	Time	N2			
		Noise Limits	Mine L <sub>90,15</sub> Noise Level (dB)		
		L <sub>Aeq,15 min</sub>	Measured Mine Contribution	Additional LF Penalty	Exceedance
09/06/2020	09:51	35	<17 (IA) <sup>1</sup>	-	0
	10:06	35	<15 (IA) <sup>1</sup>	-	0
	10:21	35	<16 (IA) <sup>1</sup>	-	0
	10:36	35	<14 (IA) <sup>1</sup>	-	0
	10:51	35	<13 (IA) <sup>1</sup>	-	0
	11:06	35	<16 (IA) <sup>1</sup>	-	0
	21:29	35	<23 (IA) <sup>1</sup>	-	0
	21:44	35	<22 (IA) <sup>1</sup>	-	0
	21:59	35	0 <sup>2</sup>	-	0
	22:14	35	0 <sup>2</sup>	-	0
	22:29	35	0 <sup>2</sup>	-	0
	22:44	35	0 <sup>2</sup>	-	0
10/06/2020	13:18	35	<15 (IA) <sup>1</sup>	-	0
	13:48	35	<15 (IA) <sup>1</sup>	-	0
	14:03	35	<20 (IA) <sup>1</sup>	-	0
	14:33	35	<17 (IA) <sup>1</sup>	-	0
	21:30	35	<10 (IA) <sup>1</sup>	-	0
	21:45	35	<12 (IA) <sup>1</sup>	-	0
	22:00	35	0 <sup>2</sup>	-	0
	22:15	35	0 <sup>2</sup>	-	0
	22:30	35	0 <sup>2</sup>	-	0
	22:45	35	0 <sup>2</sup>	-	0
11/06/2020	12:46	35	<13 (IA) <sup>1</sup>	-	0
	13:01	35	<13 (IA) <sup>1</sup>	-	0
	13:16	35	<12 (IA) <sup>1</sup>	-	0
	13:31	35	<11 (IA) <sup>1</sup>	-	0
	13:46	35	<11 (IA) <sup>1</sup>	-	0
	14:01	35	<10 (IA) <sup>1</sup>	-	0
	21:30	35	<7 (IA) <sup>1</sup>	-	0
	21:45	35	<8 (IA) <sup>1</sup>	-	0
	22:00	35	0 <sup>2</sup>	-	0
	22:15	35	0 <sup>2</sup>	-	0
	22:30	35	0 <sup>2</sup>	-	0
	22:45	35	0 <sup>2</sup>	-	0





# WHITEHAVEN COAL

Rocglen Coal Mine- Monthly Monitoring Summary  
Figure 1 – EPL 12870 Monitoring Locations

