



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: March 2020

Obtained Date: 8th April 2020

Publication Date: 20th April 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 ² /month	Continuous	1	18/03/2020	25/03/2020	-	-	-	0.4
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/03/2020	25/03/2020	-	-	-	0.9
10	PM ₁₀	µg/m ³	Every 6 days	5	Various	8/04/2020	8.3	22.4	11.9	48.9
11	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	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					-	-	-	-
	pH	pH					-	-	-	-
	Total organic carbon	mg/L					-	-	-	-



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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
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.

** 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.



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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	-	-	-	-	-	
	Arsenic	mg/L					-	-	-	
	Bicarbonate	mg/L					-	-	-	
	Chloride	mg/L					-	-	-	
	Iron	mg/L					-	-	-	
	Manganese	mg/L					-	-	-	
	Sodium	mg/L					-	-	-	
16	Conductivity	µS/cm	Quarterly	0	-	-	-	-	-	595
	Oil & Grease	mg/L					-	-	-	<5
	pH	pH					-	-	-	8.5
	TOC	mg/L					-	-	-	<1
	TSS	mg/L					-	-	-	193

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Table 4-1 and 4-3– Monitoring (Noise – Limits Apply)

Note: Measured noise levels are not necessarily the result of activity at Rocgen Coal Mine

Table 4-1 Summary of noise assessment at N1

Date	Time	Noise Limits LAeq,15 min	N1 Mine LAeq Noise Level (dB)		
			Measured Mine Contribution	Additional LF Penalty	Exceedance
02/03/2020	13:56	35	<26 (I/A) ¹	-	0
	19:57	35	<26 (I/A) ¹	-	0
	20:12	35	<27 (I/A) ¹	-	0
	23:37	35	0 ²	-	0
	23:52	35	0 ²	-	0
04/03/2020	10:47	35	<22 (I/A) ¹	-	0
	11:02	35	<25 (I/A) ¹	-	0

¹ Where mine noise was inaudible throughout the entire measurement, it is assumed that the contribution is less than 10dB below the measured LA90.

² The mine was not operating during the night period.

Table 4-3 Summary of noise assessment at N2

Date	Time	Noise Limits LAeq,15 min	N2 Mine LAeq Noise Level (dB)		
			Measured Mine Contribution	Additional LF Penalty	Exceedance
02/03/2020	11:36	35	<26 (I/A) ¹	-	0
	21:29	35	<19 (I/A) ¹	-	0
	21:44	35	<20 (I/A) ¹	-	0
	22:14	35	0 ²	-	0
	22:29	35	0 ²	-	0
	22:44	35	0 ²	-	0
04/03/2020	13:59	35	<21 (IA) ¹	-	0

¹ Where mine noise was inaudible throughout the entire measurement, it is assumed that the contribution is less than 10dB below the measured LA90.

² The mine was not operating during the night period.



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Figure 1 – EPL 12870 Monitoring Locations

