



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: December 2019

Obtained Date: 15 January 2019

Publication Date: 16 January 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	17/12/2019	31/12/2019	-	-	-	5.3
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/12/2019	31/12/2019	-	-	-	3.4
10	PM ₁₀	µg/m ³	Every 6 days	5	Various	10/01/2020	4	83.5	94.7	155
11	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
12	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
13	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	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**	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-
	Oil & Grease	mg/L					-	-	-	-
	pH	pH					-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
15	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm					-	-	-	-
	Oil & Grease	mg/L					-	-	-	-
	pH	pH					-	-	-	-
	Total organic carbon	mg/L					-	-	-	-

¹result caused by a regional dust event, not mine related.

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.



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** 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	-	-	-	-	-	
	Arsenic	mg/L					-	-	-	
	Bicarbonate	mg/L					-	-	-	
	Chloride	mg/L					-	-	-	
	Iron	mg/L					-	-	-	
	Manganese	mg/L					-	-	-	
	Sodium	mg/L					-	-	-	
16	Conductivity	µS/cm	Quarterly	0	-	-	-	-	-	
	Oil & Grease	mg/L					-	-	-	
	pH	pH					-	-	-	
	TOC	mg/L					-	-	-	
	TSS	mg/L					-	-	-	



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

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

Table 4-1 Summary of noise assessment at N1

Date	Time	TN1			
		Noise Limits	Mine L _{Aeq} Noise Level (dB)		
		L _{Aeq,15 min}	Measured Mine Contribution	Additional LF Penalty	Exceedance
2/12/2019	20:15	35	<25 (IA) ¹	-	0
	12:08	35	<15 (IA) ¹	-	0
	12:23	35	<13 (IA) ¹	-	0
3/12/2019	23:26	35	0 ²	-	0
	23:41	35	0 ²	-	0
	23:56	35	0 ²	-	0
4/12/2019	00:10	35	0 ²	-	0
	12:10	35	<15 (IA) ¹	-	0
	12:40	35	<12 (IA) ¹	-	0
	21:30	35	<14 (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 L_{A90}.

² The mine was not operating during the night period.



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Table 4-3 Summary of noise assessment at N2

Date	Time	Noise Limits $L_{Aeq,15\ min}$	N2 Mine L_{Aeq} Noise Level (dB)		
			Measured Mine Contribution	Additional LF Penalty	Exceedance
2/12/2019	21:24	35	<28 (IA) ¹	-	0
	13:29	35	29	-	0
3/12/2019	13:59	35	30	-	0
	14:14	35	30	-	0
	14:29	35	30	-	0
4/12/2019	13:44	35	<19 (IA) ¹	-	0
	14:44	35	28	-	0
	14:59	35	30	-	0
	20:45	35	<8 (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 L_{A90} .

² The mine was not operating during the night period.



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Figure 1 – EPL 12870 Monitoring Locations

