



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: November 2021

Obtained Date: 14th December 2021

Publication Date: 17th December 2021

Table 1 - 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 (BD4)	g/m2/month	Continuous	1	17/11/2021	23/11/2021	-	-	-	2.70
6	Particulates-Deposited Matter (BD6)	g/m2/month	Continuous	1	17/11/2021	23/11/2021	-	-	-	1.73
10	PM ₁₀	µg/m ³	Every 6 days	5	Various	14/12/2021	2.9	4.8	4.4	7.4
11	TSS	mg/L	Special Frequency 1* (Controlled Discharge)	1	19/11/2021	24/11/2021	-	-	-	16
	Conductivity	µS/cm					-	-	-	500
	Oil & Grease	mg/L					-	-	-	<5
	pH	pH					-	-	-	7.94
	Total organic carbon	mg/L					-	-	-	2
12	TSS	mg/L	Special Frequency 1* (Controlled Discharge)	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-
	Oil & Grease	mg/L					-	-	-	-
	pH	pH					-	-	-	-



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13	TSS	mg/L	Special Frequency 2**(DDCK)	2	8/11/2021 22/11/2021	Various	6	38	22	38
	Conductivity	µS/cm					82	116	116	150
	Oil & Grease	mg/L					5	6	5.5	6
	pH	pH					6.76	7.08	7.08	7.4
	Total organic carbon	mg/L					17	21	20.5	24
14	TSS	mg/L	Special Frequency 2**(UNDC)	2	8/11/2021 22/11/2021	Various	40	79	78.5	117
	Conductivity	µS/cm					80	143	143	206
	Oil & Grease	mg/L					5	5	5	5
	pH	pH					6.97	7	6.995	7.02
	Total organic carbon	mg/L					16	17	17	18
15	TSS	mg/L	Special Frequency 2** (SD7)	-	-	-	-	-	-	-
	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	Med	Max or only value	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 2* (LDP11) <small>Wet Weather Discharge</small>	2	8/11/2021 22/11/2021	Various	4750	8575	12400	N/A	No limit for TSS in Wet weather discharge
	Oil & Grease	mg/L					<5	<5	<5	No	
	pH	pH					8.04	8.14	8.23	No	
12	TSS	mg/L	Special Frequency 2* (LDP12) <small>Wet Weather Discharge</small>	1	22/11/2021	30/11/2021	-	-	68	N/A	No limit for TSS in Wet weather discharge
	Oil & Grease	mg/L					-	-	<5	No	
	pH	pH					-	-	8.01	No	

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* 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.

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



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Figure 1 – EPL 12870 Monitoring Locations