



Rocglen Coal Mine – Monthly Monitoring Summary

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 2022

Obtained Date: 14 April 2022

Publication Date: 20 April 2022

Table 1 – Air Quality Monitoring

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/m2/month	Continuous	1	16/03/2022	31/03/2022	-	-	-	1.01
6	Particulates-Deposited Matter	g/m2/month	Continuous	1	16/03/2022	31/03/2022	-	-	-	1.43
10	PM10	µg/m ³	Every 6 days	5	Various	14/04/2022	4.3	14.8	5.3	53.7



WHITEHAVEN COAL

Table 2 – Water Quality Monitoring

Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date(s) Obtained	100%ile Limit	Min Value	Mean Value	Median Value	Max or Only Value
11	pH		Special Frequency 1* (Controlled Discharge)	-	-	-	6.5-8.5	-	-	-	-
	Electrical Conductivity						-	-	-	-	
	Oil & Grease						10	-	-	-	-
	Total Organic carbon							-	-	-	-
	Total Suspended Solids						50	-	-	-	-
12	pH		Special Frequency 1* (Controlled Discharge)	-	-	-	6.5-8.5	-	-	-	-
	Electrical Conductivity						-	-	-	-	
	Oil & Grease						10	-	-	-	-
	Total Organic carbon							-	-	-	-
	Total Suspended Solids						50	-	-	-	-
11	pH		Special Frequency 2** (Wet Weather Discharge)	2	8/03/2022, 28/03/2022 (both result of >38.5mm of rainfall. No limit on TSS)	17/03/2022, 7/04/2022	6.5-8.5	7.76	7.77	7.77	7.77
	Electrical Conductivity							348	352	352	356
	Oil & Grease						10	<5	<5	<5	<5
	Total Organic carbon							5	11	10.5	16
	Total Suspended Solids ¹						N.A.	911	1566	1566	1566
12	pH		Special Frequency 2** (Wet Weather Discharge)	-	-	-	6.5-8.5	-	-	-	-
	Electrical Conductivity						-	-	-	-	
	Oil & Grease						10	-	-	-	-
	Total Organic carbon							-	-	-	-
	Total Suspended Solids ¹						50	-	-	-	-



WHITEHAVEN COAL

13	pH		Special Frequency 2**	-	-	-	-	-	-	-
	Electrical Conductivity						-	-	-	-
	Oil & Grease						-	-	-	-
	Total Organic carbon						-	-	-	-
	Total Suspended Solids						-	-	-	-
14	pH		Special Frequency 2**	1	28/03/2022	7/04/2022	-	-	-	7.22
	Electrical Conductivity						-	-	-	276
	Oil & Grease						-	-	-	<5
	Total Organic carbon						-	-	-	16
	Total Suspended Solids						-	-	-	286
15	pH		Special Frequency 2**	-	-	-	-	-	-	-
	Electrical Conductivity						-	-	-	-
	Oil & Grease						-	-	-	-
	Total Organic carbon						-	-	-	-
	Total Suspended Solids						-	-	-	-
16	Aluminium		Yearly	-	-	-	-	-	-	-
	Arsenic						-	-	-	-
	Bicarbonate						-	-	-	-
	Chloride						-	-	-	-
	Iron						-	-	-	-
	Manganese						-	-	-	-
	Sodium						-	-	-	-
	Conductivity						-	-	-	-
	Oil & Grease						-	-	-	-
	pH						-	-	-	-
	Total Organic Carbon						-	-	-	-
	Total Suspended Solids						-	-	-	-
		Conductivity								
Oil & Grease							-	-	-	-



16	pH		Quarterly	-	-	-	-	-	-	-
	Total Organic Carbon						-	-	-	-
	Total Suspended Solids						-	-	-	-

¹The Total Suspended Solids concentration limits specified for Points 11 and 12 may be exceeded for water discharged provided that:

- (a) the discharge occurs solely as a result of rainfall measured at the premises that exceeds 38.4 millimetres over any consecutive 5-day period immediately prior to the discharge occurring; and
- (b) all practical measures have been implemented to dewater all sediment dams within 5 days of rainfall such that they have sufficient capacity to store run off from a 38.4-millimetre, 5-day rainfall event.

* 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.



WHITEHAVEN COAL



Figure 1 – EPL 12870 Monitoring Locations