



WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 3637

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33514&SYSUID=1&LICID=3637>

Licensee: Whitehaven Coal Mining Limited

Licensee Address: Boggabri Road, Gunnedah NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: June 2022

Obtained Date: 13th July 2022

Publication Date: 19th July 2022

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Measurements for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
3	Solid Particles	g/m ² /month	Continuous	1	16/06/2022	29/06/2022				0.6
11	PM ₁₀	µg/m ³	Every 6 days	5	3/06/2022 9/06/2022 15/06/2022 21/06/2022 27/06/2022	8/07/2022 (Last sampled received)	1.3	18.1	9.7	43.9
12	PM ₁₀	µg/m ³	Every 6 days	5	3/06/2022 9/06/2022 15/06/2022 21/06/2022 27/06/2022	8/07/2022 (Last sampled received)	1.7	6.2	6	11.2
6	Conductivity	µs/cm	Each overflow event	No overflow occurred during reporting period.	-	-	-	-	-	-
	Oil and Grease	mg/L			-	-	-	-	-	-
	Total Organic Carbon	mg/L			-	-	-	-	-	-
	Total Suspended Solids	mg/L			-	-	-	-	-	-
	pH	pH			-	-	-	-	-	-
7	Conductivity	µs/cm	Quarterly	0	-	-	-	-	-	-
	Oil and Grease	mg/L			-	-	-	-	-	
	Total Organic Carbon	mg/L			-	-	-	-	-	



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	Total Suspended Solids	mg/L					-	-	-	-
	pH	pH					-	-	-	-

Table 2 – Groundwater Monitoring (Quarterly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
8	Ammonia	mg/L	Quarterly	1	3/06/2022	15/06/2022	-	-	-	1.54
	Bicarbonate	mg/L					-	-	-	1120
	Calcium	mg/L					-	-	-	58
	Chloride	mg/L					-	-	-	1990
	Conductivity	µs/cm					-	-	-	10700
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	171
	Nitrate	mg/L					-	-	-	<0.01
	Potassium	mg/L					-	-	-	25
	Sodium	mg/L					-	-	-	1920
	Standing Water Level	m					-	-	-	5.79
	Sulphate	mg/L					-	-	-	1290
pH	pH	-	-	-	7.50					
9	Ammonia	mg/L	Quarterly	1	3/06/2022	15/06/2022	-	-	-	0.01
	Bicarbonate	mg/L					-	-	-	786
	Calcium	mg/L					-	-	-	230



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	Chloride	mg/L					-	-	-	1180
	Conductivity	µs/cm					-	-	-	6070
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	218
	Nitrate	mg/L					-	-	-	2.69
	Potassium	mg/L					-	-	-	109
	Sodium	mg/L					-	-	-	666
	Standing Water Level	m					-	-	-	5.79
	Sulphate	mg/L					-	-	-	680
	pH	pH					-	-	-	7.4
10	Ammonia	mg/L	Quarterly	1	3/06/2022	15/06/2022	-	-	-	0.1
	Bicarbonate	mg/L					-	-	-	744
	Calcium	mg/L					-	-	-	199
	Chloride	mg/L					-	-	-	1430
	Conductivity	µs/cm					-	-	-	6040
	Lead	mg/L					-	-	-	0.001
	Magnesium	mg/L					-	-	-	207
	Nitrate	mg/L					-	-	-	5.28
	Potassium	mg/L					-	-	-	67
	Sodium	mg/L					-	-	-	666
	Standing Water Level	m					-	-	-	0.54
	Sulphate	mg/L					-	-	-	256
	pH	pH					-	-	-	7.7



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Table 3 – Monitoring (Quarterly Noise – Limits Apply)

EPL ID	Date	Measurement Period	Measured levels – CHPP – dB(A)		Limit(s)- dB(A)	Wind speed (m/s)	Observations	(Potential) Non-compliance /breach
			LA1, 1 minute	LAeq, 15 minute				
N1	-	15 mins day	-	31	35	2.0	General site activity and dozer operations audible. Other noises included birds, traffic, residence and aircraft.	-
		15 mins evening	-	33	35	2.1	General site activity and dozer operations audible. Other noises included birds and traffic.	
		15 mins night	-	31	35	1.7	General site activity and dozer operations audible. Other noises include traffic.	
	-	1 min night	35	-	45	1.7	General site activity and dozer operations audible. Other noises include traffic.	

Notes:

dB(A): The overall level of a sound is usually expressed in terms of dBA, which is measured using a sound level meter with an “A-weighting” filter. This is an electronic filter having a frequency response corresponding approximately to that of human hearing.

LAeq, 15 minute: The A-weighted equivalent noise level (basically the average noise level). It is defined as the steady sound level that contains the same amount of acoustical energy as the corresponding time-varying sound, in this instance over a period of 15 minutes.

LA1, 1 minute: The noise level exceeded for 1% of the 15 minute interval.

I/A: When site noise is noted as inaudible (I/A), no site noise was audible at the monitoring location.

Not Measurable (NM): indicates that some site noise was audible, but indeterminate due to one of the following reasons:

- site noise levels were insignificant and unlikely, in many cases, to be even noticed; or
- site noise levels were masked by another relatively loud noise source, but were estimated to be less than LAeq 30 dB, which is insignificant in terms of any applicable criterion.



WHITEHAVEN COAL

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Figure 1 – EPL 3637 Monitoring Locations

