



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: July 2024

Obtained Date: 9th August 2024

Publication Date: 19th August 2024

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	12/07/2024	25/07/2024	-	-	-	0.4
11	PM ₁₀ Kendo	µg/m ³	Every 6 days	5	04/07/2024 10/07/2024 16/07/2024 22/07/2024 28/07/2024	09/08/2024 (Last sampled received)	1.7	5.34	4.0	11.3
12	PM ₁₀ Olive View	µg/m ³	Every 6 days	5	04/07/2024 10/07/2024 16/07/2024 22/07/2024 28/07/2024	09/08/2024 (Last sampled received)	2.4	5.54	6.3	8.8
6	Conductivity	µs/cm	Each overflow event	0	-	-	-	-	-	-
	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 (P1)	1	17/07/2024	25/07/2024	-	-	-	0.22
	Bicarbonate	mg/L					-	-	-	1280
	Calcium	mg/L					-	-	-	57
	Chloride	mg/L					-	-	-	1980
	Conductivity	µs/cm					-	-	-	9030
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	187
	Nitrate	mg/L					-	-	-	0.35
	Potassium	mg/L					-	-	-	26
	Sodium	mg/L					-	-	-	2100
	Standing Water Level	m					-	-	-	6.41
	Sulphate	mg/L					-	-	-	1480
pH	pH	-	-	-	7.99					
9	Ammonia	mg/L	Quarterly (P2)	1	17/07/2024	25/07/2024	-	-	-	0.02
	Bicarbonate	mg/L					-	-	-	912
	Calcium	mg/L					-	-	-	277
	Chloride	mg/L					-	-	-	1160



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	Conductivity	µs/cm					-	-	-	5610
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	241
	Nitrate	mg/L					-	-	-	0.71
	Potassium	mg/L					-	-	-	124
	Sodium	mg/L					-	-	-	724
	Standing Water Level	M					-	-	-	1.71
	Sulphate	mg/L					-	-	-	692
	pH	pH					-	-	-	7.51
10	Ammonia	mg/L	Quarterly (P3)	1	17/07/2024	25/07/2024	-	-	-	0.33
	Bicarbonate	mg/L					-	-	-	778
	Calcium	mg/L					-	-	-	241
	Chloride	mg/L					-	-	-	1430
	Conductivity	µs/cm					-	-	-	5530
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	229
	Nitrate	mg/L					-	-	-	6.25
	Potassium	mg/L					-	-	-	65
	Sodium	mg/L					-	-	-	738
	Standing Water Level	M					-	-	-	1.29
	Sulphate	mg/L					-	-	-	280
	pH	pH					-	-	-	7.33



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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	-	-	35	-	-	-
	-	15 mins evening	-	-	35	-	-	
		15 mins night	-	-	35	-	-	
		1 min night	-	-	45	-	-	

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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 WHITEHAVEN COAL	<p align="center">Figure 1 Gunnedah CHPP EPL3637 Monitoring Locations</p>	<p>0 250 500 ─────────── Meters</p>
<p>Datum MGA2020 Zone 56 Author O.Hulbert Image Nov-22 Date Jan-23 Size/Scale 1:13000</p>		<p>● CHPP_EPL_Sites_Feb23</p>