



## 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: September 2024

Obtained Date: 09<sup>th</sup> October 2024

Publication Date: 16<sup>th</sup> October 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 <sup>2</sup> /month	Continuous	1	09/09/2024	23/09/2024	-	-	-	0.6
11	PM <sub>10</sub> Kendo	µg/m <sup>3</sup>	Every 6 days	5	02/09/2024 08/09/2024 14/09/2024 20/09/2024 26/09/2024	09/10/2024 (Last sampled received)	6.1	11.56	12.5	15.6
12	PM <sub>10</sub> Olive View	µg/m <sup>3</sup>	Every 6 days	5	02/09/2024 08/09/2024 14/09/2024 20/09/2024 26/09/2024	09/10/2024 (Last sampled received)	3.8	11.38	11.7	16.1
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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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
	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	06/09/2024	17/09/2024	-	-	-	0.85
	Bicarbonate	mg/L					-	-	-	1280
	Calcium	mg/L					-	-	-	46
	Chloride	mg/L					-	-	-	1900
	Conductivity	µs/cm					-	-	-	9730
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	182
	Nitrate	mg/L					-	-	-	0.33
	Potassium	mg/L					-	-	-	24
	Sodium	mg/L					-	-	-	2060
	Standing Water Level	m					-	-	-	6.45
	Sulphate	mg/L					-	-	-	1340
pH	pH	-	-	-	8.08					
9	Ammonia	mg/L	Quarterly (P2)	1	06/09/2024	17/09/2024	-	-	-	0.86
	Bicarbonate	mg/L					-	-	-	993
	Calcium	mg/L					-	-	-	183
	Chloride	mg/L					-	-	-	1090



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	Conductivity	µs/cm					-	-	-	5690
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	227
	Nitrate	mg/L					-	-	-	0.06
	Potassium	mg/L					-	-	-	121
	Sodium	mg/L					-	-	-	689
	Standing Water Level	M					-	-	-	1.63
	Sulphate	mg/L					-	-	-	679
	pH	pH					-	-	-	7.34
10	Ammonia	mg/L	Quarterly (P3)	1	06/09/2024	17/09/2024	-	-	-	0.11
	Bicarbonate	mg/L					-	-	-	765
	Calcium	mg/L					-	-	-	166
	Chloride	mg/L					-	-	-	1370
	Conductivity	µs/cm					-	-	-	5830
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	218
	Nitrate	mg/L					-	-	-	10.9
	Potassium	mg/L					-	-	-	61
	Sodium	mg/L					-	-	-	699
	Standing Water Level	M					-	-	-	1.16
	Sulphate	mg/L					-	-	-	253
	pH	pH					-	-	-	7.30



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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	05/09/2024	15 mins day	-	I/A	35	2.8	Site Related Noise Inaudible Wind 40-46, Traffic 35-43, Birds 61	No
	05/09/2024	15 mins evening	-	N/M	35	Calm	General site activity faintly audible, Traffic 35-42, Insects 44-46	
		15 mins night	-	30	35	Calm	Dozer operations 30-33, General site activity 27-30, Insects 43-46, Traffic 35-51	
		1 min night	41	-	45	Calm		

**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.



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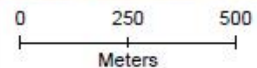


 **WHITEHAVEN COAL**

Datum MGA2020 Zone 56 Author O.Hulbert

Image Nov-22 Date Jan-23 Size/Scale 1:13000

**Figure 1**  
**Gunnedah CHPP EPL3637**  
**Monitoring Locations**



● CHPP\_EPL\_Sites\_Feb23