



## 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: March 2025

Obtained Date: 07<sup>th</sup> May 2025

Publication Date: 07<sup>th</sup> May 2025

**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	06/03/2025	07/05/2025	-	-	-	0.6
11	PM <sub>10</sub> Kendo	µg/m <sup>3</sup>	Every 6 days	6	01/03/2025 07/03/2025 13/03/2025 19/03/2025 25/03/2025 31/03/2025	15/04/2025 (Last sampled received)	5.6	20.90	8.95	68.20
12	PM <sub>10</sub> Olive View	µg/m <sup>3</sup>	Every 6 days	6	01/03/2025 07/03/2025 13/03/2025 19/03/2025 25/03/2025 31/03/2025	15/04/2025 (Last sampled received)	5.50	18.83	19.75	32.30
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					-	-	-	-



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	Total Organic Carbon	mg/L					-	-	-	-
	Total Suspended Solids	mg/L					-	-	-	-
	pH	pH					-	-	-	8.56

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	06/03/2025	13/03/2025	-	-	-	0.23
	Bicarbonate	mg/L					-	-	-	1360
	Calcium	mg/L					-	-	-	54
	Chloride	mg/L					-	-	-	2180
	Conductivity	µs/cm					-	-	-	10300
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	189
	Nitrate	mg/L					-	-	-	0.74
	Potassium	mg/L					-	-	-	40
	Sodium	mg/L					-	-	-	2080
	Standing Water Level	m					-	-	-	6.87
	Sulphate	mg/L					-	-	-	1310
pH	pH	-	-	-	7.86					
9	Ammonia	mg/L	Quarterly (P2)	1	06/03/2025	13/03/2025	-	-	-	1.10
	Bicarbonate	mg/L					-	-	-	975
	Calcium	mg/L					-	-	-	263



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	Chloride	mg/L					-	-	-	1060
	Conductivity	µs/cm					-	-	-	5870
	Lead	mg/l					-	-	-	0.001
	Magnesium	mg/L					-	-	-	228
	Nitrate	mg/L					-	-	-	0.58
	Potassium	mg/L					-	-	-	125
	Sodium	mg/L					-	-	-	652
	Standing Water Level	M					-	-	-	2.11
	Sulphate	mg/L					-	-	-	627
	pH	pH					-	-	-	7.09
10	Ammonia	mg/L	Quarterly (P3)	1	06/03/2025	13/03/2025	-	-	-	0.25
	Bicarbonate	mg/L					-	-	-	776
	Calcium	mg/L					-	-	-	210
	Chloride	mg/L					-	-	-	1320
	Conductivity	µs/cm					-	-	-	5960
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	220
	Nitrate	mg/L					-	-	-	0.04
	Potassium	mg/L					-	-	-	74
	Sodium	mg/L					-	-	-	666
	Standing Water Level	M					-	-	-	1.64
	Sulphate	mg/L					-	-	-	270
	pH	pH					-	-	-	7.10



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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	24/03/2025	15 mins day	-	30	35	1.5	Dozer operations, Birds 36-51 Machinery 36-41	No
		15 mins evening	-	35	35	1.4	Dozer operations 30, General site activity 25-31, Insects 40-43, Animals 53-59	
		15 mins night	-	30	35	1.2	Dozer operations 30-39, General site activity 28-31, Traffic 30-38, Animals 42-56	
		1 min night	39	-	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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 <b>WHITEHAVEN COAL</b>	<p align="center"><b>Figure 1</b> <b>Gunnedah CHPP EPL3637</b> <b>Monitoring Locations</b></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>