



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 2025

Obtained Date: 11th October 2025

Publication Date: 14th October 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 ² /month	Continuous	1	08/09/2025	30/09/2025	-	-	-	0.5
11	PM ₁₀ Kendo	µg/m ³	Every 6 days	5	03/09/2025 09/09/2025 15/09/2025 21/09/2025 27/09/2025	11/10/2025 (Last sampled received)	5.20	13.30	14.70	20.80
12	PM ₁₀ Olive View	µg/m ³	Every 6 days	5	03/09/2025 09/09/2025 15/09/2025 21/09/2025 27/09/2025	11/10/2025 (Last sampled received)	6.40	11.38	8.90	17.30
6	Conductivity (Field)	µs/cm	Each overflow event	0	-	-	-	-	-	-
	Oil and Grease	mg/L					-	-	-	-
	Total Organic Carbon	mg/L					-	-	-	-
	Total Suspended Solids	mg/L					-	-	-	-
	pH (Field)	pH					-	-	-	-
7	Conductivity (Field)	µs/cm	Quarterly (Feb, May, Aug, Nov)	0	-	-	-	-	-	-
	Oil and Grease	mg/L					-	-	-	-
	Total Organic Carbon	mg/L					-	-	-	-



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	Total Suspended Solids	mg/L					-	-	-	-
	pH (Field)	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) (Mar, Jun, Sep, Dec)	1	08/09/2025	15/09/2025	-	-	-	0.02
	Bicarbonate	mg/L					-	-	-	1330
	Calcium	mg/L					-	-	-	64
	Chloride	mg/L					-	-	-	1990
	Conductivity	µs/cm					-	-	-	9730
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	182
	Nitrate	mg/L					-	-	-	1.32
	Potassium	mg/L					-	-	-	24
	Sodium	mg/L					-	-	-	2060
	Standing Water Level	m					-	-	-	6.17
	Sulphate	mg/L					-	-	-	1480
	pH	pH					-	-	-	7.98
9	Ammonia	mg/L	Quarterly (P2) (Mar, Jun, Sep, Dec)	1	08/09/2025	15/09/2025	-	-	-	3.45
	Bicarbonate	mg/L					-	-	-	986
	Calcium	mg/L					-	-	-	282
	Chloride	mg/L					-	-	-	1150

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	Conductivity	µs/cm					-	-	-	6000
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	233
	Nitrate	mg/L					-	-	-	0.22
	Potassium	mg/L					-	-	-	122
	Sodium	mg/L					-	-	-	694
	Standing Water Level	M					-	-	-	2.11
	Sulphate	mg/L					-	-	-	663
	pH	pH					-	-	-	7.08
10	Ammonia	mg/L	Quarterly (P3) (Mar, Jun, Sep, Dec)	1	08/09/2025	15/09/2025	-	-	-	0.37
	Bicarbonate	mg/L					-	-	-	749
	Calcium	mg/L					-	-	-	243
	Chloride	mg/L					-	-	-	1430
	Conductivity	µs/cm					-	-	-	5920
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	228
	Nitrate	mg/L					-	-	-	13.7
	Potassium	mg/L					-	-	-	63
	Sodium	mg/L					-	-	-	720
	Standing Water Level	M					-	-	-	0.88
	Sulphate	mg/L					-	-	-	285
	pH	pH					-	-	-	7.11

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Table 3 – Monitoring (Quarterly Noise – Limits Apply)

(Mar, Jun, Sep, Dec)

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	11/09/2025	15 mins day	-	I/A	35	1.9	Birds 66-67, Wind 30-37 Traffic 35-42	No
		15 mins evening	-	30	35	Calm	Traffic 35, Dozer operations 30-32 General site activity 28-30, Onsite reverse alarm 29-31	
		15 mins night	-	29	35	0.9	General site activity 28-30, Dozer operations 30-37, Animals 35-44, Wind 37-40	
		1 min night	37	-	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.

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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

0 250 500
Meters

● CHPP_EPL_Sites_Feb23