



## 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: February 2025

Obtained Date: 19<sup>th</sup> March 2025

Publication Date: 19<sup>th</sup> March 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	05/02/2025	10/03/2025	-	-	-	1.3
11	PM <sub>10</sub> Kendo	µg/m <sup>3</sup>	Every 6 days	4	05/02/2025 11/02/2025 17/02/2025 23/02/2025	06/03/2025 (Last sampled received)	8.9	12.53	11.45	18.3
12	PM <sub>10</sub> Olive View	µg/m <sup>3</sup>	Every 6 days	4	06/01/2025 12/01/2025 18/01/2025 24/01/2025	06/03/2025 (Last sampled received)	10.3	13.05	12.45	17.0
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	1	25/02/2025	19/03/2025	-	-	-	1960
	Oil and Grease	mg/L					-	-	-	<5
	Total Organic Carbon	mg/L					-	-	-	26
	Total Suspended Solids	mg/L					-	-	-	41



# WHITEHAVEN COAL

## WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

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
	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)	0	-	-	-	-	-	-
	Bicarbonate	mg/L					-	-	-	-
	Calcium	mg/L					-	-	-	-
	Chloride	mg/L					-	-	-	-
	Conductivity	µs/cm					-	-	-	-
	Lead	mg/L					-	-	-	-
	Magnesium	mg/L					-	-	-	-
	Nitrate	mg/L					-	-	-	-
	Potassium	mg/L					-	-	-	-
	Sodium	mg/L					-	-	-	-
	Standing Water Level	m					-	-	-	-
	Sulphate	mg/L					-	-	-	-
pH	pH	-	-	-	-					
9	Ammonia	mg/L	Quarterly (P2)	0	-	-	-	-	-	-
	Bicarbonate	mg/L					-	-	-	-
	Calcium	mg/L					-	-	-	-
	Chloride	mg/L					-	-	-	-
	Conductivity	µs/cm					-	-	-	-



# WHITEHAVEN COAL

## WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

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
	Lead	mg/L					-	-	-	-
	Magnesium	mg/L					-	-	-	-
	Nitrate	mg/L					-	-	-	-
	Potassium	mg/L					-	-	-	-
	Sodium	mg/L					-	-	-	-
	Standing Water Level	M					-	-	-	-
	Sulphate	mg/L					-	-	-	-
	pH	pH					-	-	-	-
10	Ammonia	mg/L	Quarterly (P3)	0	-	--	-	-	-	-
	Bicarbonate	mg/L					-	-	-	-
	Calcium	mg/L					-	-	-	-
	Chloride	mg/L					-	-	-	-
	Conductivity	µs/cm					-	-	-	-
	Lead	mg/L					-	-	-	-
	Magnesium	mg/L					-	-	-	-
	Nitrate	mg/L					-	-	-	-
	Potassium	mg/L					-	-	-	-
	Sodium	mg/L					-	-	-	-
	Standing Water Level	M					-	-	-	-
	Sulphate	mg/L					-	-	-	-
	pH	pH					-	-	-	-



## WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

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

## WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY



Source: Earth, Water, and Air Geographics, and the GIS User Community

 <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>