



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: August 2020

Obtained Date: 14th September 2020

Publication Date: 28th September 2020

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	18/08/20	25/08/20	-	-	-	1.0
11	PM ₁₀	µg/m ³	Every 6 days	5	Various	14/09/20	6.9	11.7	8.2	22.6
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	14/09/20	5.2	8.3	7.4	13.9
6	Conductivity	µs/cm	Each overflow event	0	-	-	-	-	-	-
	Oil and Grease	mg/L		0	-	-	-	-	-	-
	Total Organic Carbon	mg/L		0	-	-	-	-	-	-
	Total Suspended Solids	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
7	Conductivity	µs/cm	Quarterly	1	4/08/20	13/08/20	-	-	-	2240
	Oil and Grease	mg/L					-	-	-	<5
	Total Organic Carbon	mg/L					-	-	-	6
	Total Suspended Solids	mg/L					-	-	-	13
	pH	pH					-	-	-	8.6



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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	1	24/08/20	31/08/20	-	-	-	-
	Bicarbonate	mg/L					-	-	-	1420
	Calcium	mg/L					-	-	-	46
	Chloride	mg/L					-	-	-	1750
	Conductivity	µs/cm					-	-	-	9950
	Lead	mg/L					-	-	-	0.001
	Magnesium	mg/L					-	-	-	174
	Nitrate	mg/L					-	-	-	0.08
	Potassium	mg/L					-	-	-	40
	Sodium	mg/L					-	-	-	1920
	Standing Water Level	m					-	-	-	8.6
	Sulphate	mg/L					-	-	-	1390
pH	pH	-	-	-	7.4					
9	Ammonia	mg/L	Quarterly	1	24/08/20	31/08/20	-	-	-	-
	Bicarbonate	mg/L					-	-	-	722
	Calcium	mg/L					-	-	-	154
	Chloride	mg/L					-	-	-	1150
	Conductivity	µs/cm					-	-	-	5720
	Lead	mg/L					-	-	-	0.001
	Magnesium	mg/L					-	-	-	228
	Nitrate	mg/L					-	-	-	0.61



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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
	Potassium	mg/L					-	-	-	123
	Sodium	mg/L					-	-	-	660
	Standing Water Level	m					-	-	-	2.31
	Sulphate	mg/L					-	-	-	727
	pH	pH					-	-	-	7.6
10	Ammonia	mg/L	Quarterly	1	24/08/20	31/08/20	-	-	-	-
	Bicarbonate	mg/L					-	-	-	-
	Calcium	mg/L					-	-	-	173
	Chloride	mg/L					-	-	-	1520
	Conductivity	µs/cm					-	-	-	5690
	Lead	mg/L					-	-	-	0.001
	Magnesium	mg/L					-	-	-	227
	Nitrate	mg/L					-	-	-	0.05
	Potassium	mg/L					-	-	-	64
	Sodium	mg/L					-	-	-	741
	Standing Water Level	m					-	-	-	2.76
	Sulphate	mg/L					-	-	-	289
	pH	pH					-	-	-	7.7



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Table 3 – Monitoring (Quarterly Noise – Limits Apply)

EPL ID	Date	Measurement Period	Measured levels – CHPP – dB(A)		Limit(s)	Wind speed (m/s)	Observations	(Potential) Non-compliance /breach
			L _{A1} , 1 minute	L _{Aeq} , 15 minute				
N1		15 mins			35			
		15 mins			35			
		15 mins			35			
		1 min			45			

When site noise is noted as inaudible (IA), 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 L_{Aeq} 30 dB, which is insignificant in terms of any applicable criterion.



WHITEHAVEN COAL

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