



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 2020

Obtained Date: 21 April 2020

Publication Date: 21 April 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	19/03/20	26/03/20	-	-	-	1.1
11	PM ₁₀	µg/m ³	Every 6 days	5	Various	8/04/20	4.5	13.06	5.7	25.1
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	8/04/20	2.5	13.16	5.5	35.5
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	0	-	-	-	-	-	-
	Oil and Grease	mg/L			-	-	-	-	-	-
	Total Organic Carbon	mg/L			-	-	-	-	-	-
	Total Suspended Solids	mg/L			-	-	-	-	-	-
	pH	pH			-	-	-	-	-	-



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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	19/03/2020	26/03/2020	-	-	-	0.08
	Bicarbonate	mg/L					-	-	-	1350
	Calcium	mg/L					-	-	-	54
	Chloride	mg/L					-	-	-	3020
	Conductivity	µs/cm					-	-	-	10400
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	184
	Nitrate	mg/L					-	-	-	0.15
	Potassium	mg/L					-	-	-	24
	Sodium	mg/L					-	-	-	2090
	Standing Water Level	m					-	-	-	8.75
	Sulphate	mg/L					-	-	-	1860
pH	pH	-	-	-	7.85					
9	Ammonia	mg/L	Quarterly	1	19/03/2020	26/03/2020	-	-	-	0.04
	Bicarbonate	mg/L					-	-	-	862
	Calcium	mg/L					-	-	-	220
	Chloride	mg/L					-	-	-	1260
	Conductivity	µs/cm					-	-	-	5870
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	244
	Nitrate	mg/L					-	-	-	0.50



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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					-	-	-	124
	Sodium	mg/L					-	-	-	735
	Standing Water Level	m					-	-	-	2.87
	Sulphate	mg/L					-	-	-	930
	pH	pH					-	-	-	7.69
10	Ammonia	mg/L	Quarterly	1	19/03/2020	26/03/2020	-	-	-	6.72
	Bicarbonate	mg/L					-	-	-	726
	Calcium	mg/L					-	-	-	173
	Chloride	mg/L					-	-	-	1520
	Conductivity	µs/cm					-	-	-	5860
	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					-	-	-	7.88



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Table 3 – Monitoring (Quarterly Noise – Limits Apply) (Results received 21/4/2020)

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	23/03/2020	15 mins	-	<25	35dBA	3 m/s E	Brief engine rev 38	No
	23/03/2020	15 mins	-	I/A	35dBA	5.4 m/s ESE	Inaudible	
	23/03/2020	15 mins	-	I/A	35dBA	4.2 m/s ESE	Inaudible	
	23/03/2020	1 min	I/A	-	45dBA	4.2 m/s ESE		

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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