



## 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 2018

**Obtained Date:** 18<sup>th</sup> April 2018

**Publication Date:** 23<sup>rd</sup> April 2018

**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	21/03/18	4/04/18	-	-	-	1.7
5	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	18/04/18	8.8	26.2	18.9	49.6
11	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	0	-	-	-	-	-	-
12	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	18/04/18	6.0	20.5	16.0	47.8
6	Conductivity	ms/cm	Each overflow event	-	-	-	-	-	-	-
	Oil and Grease	mg/L		-	-	-	-	-	-	-
	Total Organic Carbon	mg/L		-	-	-	-	-	-	-
	Total Suspended Solids	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
7	Conductivity	ms/cm	Quarterly	-	-	-	-	-	-	-
	Oil and Grease	mg/L		-	-	-	-	-	-	-
	Total Organic Carbon	mg/L		-	-	-	-	-	-	-
	Total Suspended Solids	mg/L		-	-	-	-	-	-	-



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	pH	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	1	13/03/18	19/03/18	-	-	-	0.03
	Bicarbonate	mg/L					-	-	-	1350
	Calcium	mg/L					-	-	-	33
	Chloride	mg/L					-	-	-	1250
	Conductivity	µs/cm					-	-	-	7430
	Lead	mg/L					-	-	-	0.003
	Magnesium	mg/L					-	-	-	116
	Nitrate	mg/L					-	-	-	1.37
	Potassium	mg/L					-	-	-	20
	Sodium	mg/L					-	-	-	1600
	Standing Water Level	m					-	-	-	8.36
	Sulphate	mg/L					-	-	-	652
pH	pH	-	-	-	8.8					
9	Ammonia	mg/L	Quarterly	1	13/03/18	19/03/18	-	-	-	0.14
	Bicarbonate	mg/L					-	-	-	907
	Calcium	mg/L					-	-	-	273
	Chloride	mg/L					-	-	-	1100



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	Conductivity	µs/cm					-	-	-	6040
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	260
	Nitrate	mg/L					-	-	-	0.72
	Potassium	mg/L					-	-	-	126
	Sodium	mg/L					-	-	-	772
	Standing Water Level	m					-	-	-	2.38
	Sulphate	mg/L					-	-	-	938
	pH	pH					-	-	-	7.10
10	Ammonia	mg/L	Quarterly	1	13/03/18	19/03/18	-	-	-	6.97
	Bicarbonate	mg/L					-	-	-	731
	Calcium	mg/L					-	-	-	174
	Chloride	mg/L					-	-	-	1330
	Conductivity	µs/cm					-	-	-	5870
	Lead	mg/L					-	-	-	0.004
	Magnesium	mg/L					-	-	-	228
	Nitrate	mg/L					-	-	-	1.27
	Potassium	mg/L					-	-	-	64
	Sodium	mg/L					-	-	-	744
	Standing Water Level	m					-	-	-	1.66
	Sulphate	mg/L					-	-	-	280
pH	pH	-	-	-	7.8					



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Table 3 – Monitoring (Quarterly Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement Period	Measured levels – All sources – dB(A)		Limit(s)	Wind speed (m/s)	Observations	(Potential) Non-compliance /breach
N1	-	-	-		-	-	-	-	-
	-	-	-		-	-	-	-	
	-	-	-		-	-	-	-	
	-	-	-	-		-	-	-	

*When site noise is noted as inaudible, no site noise was audible at the monitoring location. Not Measurable 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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Figure 1 – EPL 3637 Monitoring Locations

