



## 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: May 2018

Obtained Date: 6<sup>th</sup> June 2018

Publication Date: 13<sup>th</sup> June 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	18/05/18	29/05/18	-	-	-	0.3
5	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	6/06/18	8.4	46.4	47	106
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	6	Various	6/06/18	9.3	18.2	19.5	27.9
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	1	7/05/18	-	-	-	-	1320
	Oil and Grease	mg/L		1	7/05/18	-	-	-	-	<5
	Total Organic Carbon	mg/L		1	7/05/18	-	-	-	-	4
	Total Suspended Solids	mg/L		1	7/05/18	-	-	-	-	17



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	pH	pH		1	7/05/18	-	-	-	-	8.6

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	31/05/18	6/06/18	-	-	-	0.03
	Bicarbonate	mg/L					-	-	-	1260
	Calcium	mg/L					-	-	-	36
	Chloride	mg/L					-	-	-	1270
	Conductivity	µs/cm					-	-	-	7090
	Lead	mg/L					-	-	-	0.002
	Magnesium	mg/L					-	-	-	113
	Nitrate	mg/L					-	-	-	1.34
	Potassium	mg/L					-	-	-	22
	Sodium	mg/L					-	-	-	1540
	Standing Water Level	m					-	-	-	-
	Sulphate	mg/L					-	-	-	635
pH	pH	-	-	-	8.8					
9	Ammonia	mg/L	Quarterly	1	31/05/18	6/06/18	-	-	-	0.02
	Bicarbonate	mg/L					-	-	-	850
	Calcium	mg/L					-	-	-	244
	Chloride	mg/L					-	-	-	1130



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	Conductivity	µs/cm					-	-	-	5700
	Lead	mg/L					-	-	-	0.001
	Magnesium	mg/L					-	-	-	232
	Nitrate	mg/L					-	-	-	0.39
	Potassium	mg/L					-	-	-	121
	Sodium	mg/L					-	-	-	704
	Standing Water Level	m					-	-	-	-
	Sulphate	mg/L					-	-	-	763
	pH	pH					-	-	-	7.1
10	Ammonia	mg/L	Quarterly	1	31/05/18	6/06/18	-	-	-	0.08
	Bicarbonate	mg/L					-	-	-	654
	Calcium	mg/L					-	-	-	178
	Chloride	mg/L					-	-	-	1350
	Conductivity	µs/cm					-	-	-	5560
	Lead	mg/L					-	-	-	0.003
	Magnesium	mg/L					-	-	-	216
	Nitrate	mg/L					-	-	-	5.22
	Potassium	mg/L					-	-	-	64
	Sodium	mg/L					-	-	-	715
	Standing Water Level	m					-	-	-	-
	Sulphate	mg/L					-	-	-	267
pH	pH	-	-	-	7.9					



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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

