



## 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 2016

**Obtained Date:** 10<sup>th</sup> June, 2016

**Publication Date:** 21<sup>st</sup> June 2016

**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	18-05-16	24-05-16	-	-	-	1.1
5	Solid Particles	g/m <sup>2</sup> /month	Continuous	0	-	-	-	-	-	-
	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	10-05-16	1.3	36.9	27.9	92.8
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	10-05-16	<0.1	16.0	18.4	27.0
6	Conductivity	ms/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	ms/cm	Quarterly	1	12-05-16	19-05-16	-	-	-	2180
	Oil and Grease	mg/L		1	12-05-16	19-05-16	-	-	-	<5
	Total Organic Carbon	mg/L		1	12-05-16	19-05-16	-	-	-	4



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	Total Suspended Solids	mg/L		1	12-05-16	19-05-16	-	-	-	38
	pH	pH		1	12-05-16	19-05-16	-	-	-	8.4

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	12-05-16	17-05-16	-	-	-	0.6
	Bicarbonate	mg/L					-	-	-	1360
	Calcium	mg/L					-	-	-	31
	Chloride	mg/L					-	-	-	1190
	Conductivity	µs/cm					-	-	-	7320
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	107
	Nitrate	mg/L					-	-	-	0.65
	Potassium	mg/L					-	-	-	31
	Sodium	mg/L					-	-	-	1710
	Standing Water Level	m					-	-	-	8.36
	Sulphate	mg/L					-	-	-	624
pH	pH	-	-	-	8.5					
9	Ammonia	mg/L	Quarterly	1	12-05-16	17-05-16	-	-	-	0.16
	Bicarbonate	mg/L					-	-	-	883



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	Calcium	mg/L					-	-	-	258
	Chloride	mg/L					-	-	-	1060
	Conductivity	µs/cm					-	-	-	5930
	Lead	mg/L					-	-	-	0.002
	Magnesium	mg/L					-	-	-	239
	Nitrate	mg/L					-	-	-	0.56
	Potassium	mg/L					-	-	-	123
	Sodium	mg/L					-	-	-	791
	Standing Water Level	m					-	-	-	2.35
	Sulphate	mg/L					-	-	-	697
	pH	pH					-	-	-	7.10
10	Ammonia	mg/L	Quarterly	1	12-05-16	17-05-16	-	-	-	0.05
	Bicarbonate	mg/L					-	-	-	721
	Calcium	mg/L					-	-	-	206
	Chloride	mg/L					-	-	-	1290
	Conductivity	µs/cm					-	-	-	5830
	Lead	mg/L					-	-	-	0.005
	Magnesium	mg/L					-	-	-	224
	Nitrate	mg/L					-	-	-	14.5
	Potassium	mg/L					-	-	-	62
	Sodium	mg/L					-	-	-	789
	Standing Water Level	m					-	-	-	1.62
	Sulphate	mg/L					-	-	-	228
	pH	pH					-	-	-	7.2



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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)	Weather (wind speed/direction)	Observations	(Potential) Non-compliance /breach
				L <sub>A1, 1</sub> Minute	L <sub>Aeq, 15</sub> Minute				
N1	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	

## WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

Figure 1 – EPL 3637 Monitoring Locations

