



## 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: May2019

Obtained Date: 05<sup>th</sup> June 2019

Publication Date: 14<sup>th</sup> June 2019

**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	17/05/19	31/05/19	-	-	-	1.7
11	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	05/05/2019	15.2	23.3	18	43.1
12	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	05/05/2019	10.5	15.28	11.8	27.5
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	02/05/19	10/05/19				1140
	Oil and Grease	mg/L		1	02/05/19	10/05/19				<5
	Total Organic Carbon	mg/L		1	02/05/19	10/05/19				2
	Total Suspended Solids	mg/L		1	02/05/19	10/05/19				16



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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
	pH	pH		1	02/05/19	10/05/19				8.03

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	0			-	-	-	
	Bicarbonate	mg/L					-	-	-	
	Calcium	mg/L					-	-	-	
	Chloride	mg/L					-	-	-	
	Conductivity	µs/cm					-	-	-	
	Lead	mg/L					-	-	-	
	Magnesium	mg/L					-	-	-	
	Nitrate	mg/L					-	-	-	
	Potassium	mg/L					-	-	-	
	Sodium	mg/L					-	-	-	
	Standing Water Level	m					-	-	-	
	Sulphate	mg/L					-	-	-	
pH	pH	-	-	-						
9	Ammonia	mg/L	Quarterly	0			-	-	-	
	Bicarbonate	mg/L					-	-	-	
	Calcium	mg/L					-	-	-	
	Chloride	mg/L					-	-	-	



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	Conductivity	µs/cm					-	-	-	
	Lead	mg/L					-	-	-	
	Magnesium	mg/L					-	-	-	
	Nitrate	mg/L					-	-	-	
	Potassium	mg/L					-	-	-	
	Sodium	mg/L					-	-	-	
	Standing Water Level	m					-	-	-	
	Sulphate	mg/L					-	-	-	
	pH	pH					-	-	-	
10	Ammonia	mg/L	Quarterly	0			-	-	-	
	Bicarbonate	mg/L					-	-	-	
	Calcium	mg/L					-	-	-	
	Chloride	mg/L					-	-	-	
	Conductivity	µs/cm					-	-	-	
	Lead	mg/L					-	-	-	
	Magnesium	mg/L					-	-	-	
	Nitrate	mg/L					-	-	-	
	Potassium	mg/L					-	-	-	
	Sodium	mg/L					-	-	-	
	Standing Water Level	m					-	-	-	
	Sulphate	mg/L					-	-	-	
	pH	pH					-	-	-	



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Table 3 – Monitoring (Quarterly Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement Period	Measured levels – CHPP – dB(A)		Limit(s)	Wind speed (m/s)	Observations	(Potential) Non-compliance /breach
				L <sub>A1</sub> , 1 minute	L <sub>Aeq</sub> , 15 minute				
N1	26/02/2019					35dBA		Not available at time of publishing	Y
	26/02/2019					35dBA			
	26/02/2019					35dBA			
	26/02/2019					45dBA			

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 L<sub>Aeq</sub> 30 dB, which is insignificant in terms of any applicable criterion.



# WHITEHAVEN COAL

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Figure 1 – EPL 3637 Monitoring Locations

