



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: December 2018

Obtained Date: 5th December 2018

Publication Date: 6th December 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 ² /month	Continuous	1	16/10/18	05/12/18	-	-	-	2.5
11	PM ₁₀	µg/m ³	Every 6 days	4	Various	5/12/18	12	32.3	36.55	44.2
12	PM ₁₀	µg/m ³	Every 6 days	4	Various	5/12/18	11.4	22.97	23.15	34.2
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	02/11/18	8/11/2018	-	-	-	2550
	Oil and Grease	mg/L		1	02/11/18	8/11/2018	-	-	-	<5
	Total Organic Carbon	mg/L		1	02/11/18	8/11/2018	-	-	-	3
	Total Suspended Solids	mg/L		1	02/11/18	8/11/2018	-	-	-	34
	pH	pH		1	02/11/18	8/11/2018	-	-	-	8.42



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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				-	-	-	
	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				-	-	-	
	Bicarbonate	mg/L					-	-	-	
	Calcium	mg/L					-	-	-	
	Chloride	mg/L					-	-	-	
	Conductivity	µs/cm					-	-	-	
	Lead	mg/L					-	-	-	
	Magnesium	mg/L					-	-	-	
	Nitrate	mg/L					-	-	-	



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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					-	-	-	
	Sodium	mg/L					-	-	-	
	Standing Water Level	m					-	-	-	
	Sulphate	mg/L					-	-	-	
	pH	pH					-	-	-	
10	Ammonia	mg/L	Quarterly				-	-	-	
	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					-	-	-	

Table 3 – Monitoring (Quarterly Noise – Limits Apply)



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EPL ID	Date	Start Time	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						35dBA		None	
						35dBA			
						35dBA			
						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 LAeq 30 dB, which is insignificant in terms of any applicable criterion.*

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Figure 1 – EPL 3637 Monitoring Locations

