



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: June 2019

Obtained Date: 9th July 2019

Publication Date: 10th July 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 ² /month	Continuous	1	18/06/19	7/07/19	-	-	-	1.2
11	PM ₁₀	µg/m ³	Every 6 days	5	Various	09/07/19	3.7	8.5	8.6	11.5
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	09/07/19	3.9	7.2	7.4	9.6
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		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-



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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	1	12/06/19		-	-	-	<0.01
	Bicarbonate	mg/L					-	-	-	1040
	Calcium	mg/L					-	-	-	46
	Chloride	mg/L					-	-	-	1700
	Conductivity	µs/cm					-	-	-	8100
	Lead	mg/L					-	-	-	0.001
	Magnesium	mg/L					-	-	-	154
	Nitrate	mg/L					-	-	-	1.37
	Potassium	mg/L					-	-	-	22
	Sodium	mg/L					-	-	-	1890
	Standing Water Level	m					-	-	-	8.52
	Sulphate	mg/L					-	-	-	1190
pH	pH	-	-	-	8.4					
9	Ammonia	mg/L		1	12/06/19		-	-	-	0.001
	Bicarbonate	mg/L					-	-	-	818
	Calcium	mg/L					-	-	-	250
	Chloride	mg/L					-	-	-	1190
	Conductivity	µs/cm					-	-	-	5650
	Lead	mg/L					-	-	-	0.001
	Magnesium	mg/L					-	-	-	248
	Nitrate	mg/L					-	-	-	0.76



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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					-	-	-	121
	Sodium	mg/L					-	-	-	748
	Standing Water Level	m					-	-	-	2.5
	Sulphate	mg/L					-	-	-	791
	pH	pH					-	-	-	7.6
10	Ammonia	mg/L	Quarterly	1	12/06/19		-	-	-	<0.1
	Bicarbonate	mg/L					-	-	-	501
	Calcium	mg/L					-	-	-	168
	Chloride	mg/L					-	-	-	1480
	Conductivity	µs/cm					-	-	-	5370
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	232
	Nitrate	mg/L					-	-	-	13.3
	Potassium	mg/L					-	-	-	60
	Sodium	mg/L					-	-	-	762
	Standing Water Level	m					-	-	-	2.26
	Sulphate	mg/L					-	-	-	222
	pH	pH					-	-	-	8.0



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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
				LA1, 1 minute	LAeq, 15 minute				
N1	17/05/19	8:43	15 min		34	35dBA	2.2m/s		N
	17/05/19	19:18	15 min		30	35dBA	2.6m/s		
	17/05/19	22:00	15 min		28	35dBA	1.6m/s		
	17/05/19	22:00	1 min	35		45dBA	1.6m/s		

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.*



WHITEHAVEN COAL

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Figure 1 – EPL 3637 Monitoring Locations

