



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: November 2016

Obtained Date: 9 December 2016

Publication Date: 14 December 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 ² /month	Continuous	1	17/11/16	23/11/16	-	-	-	1.1
5	PM ₁₀	µg/m ³	Every 6 days	5	Various	9/12/16	7.3	20.9	24.0	28.0
11	PM ₁₀	µg/m ³	Every 6 days	0	-	-	-	-	-	-
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	9/12/16	9.9	17.1	15.3	26.0
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	1/11/16	7/11/16	-	-	-	2240
	Oil and Grease	mg/L		1	1/11/16	7/11/19	-	-	-	<5
	Total Organic Carbon	mg/L		1	1/11/16	7/11/16	-	-	-	5
	Total Suspended Solids	mg/L		1	1/11/16	7/11/16	-	-	-	25



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	pH	pH		1	1/11/16	7/11/16	-	-	-	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	29/11/16	5/12/16	-	-	-	<0.01
	Bicarbonate	mg/L					-	-	-	1240
	Calcium	mg/L					-	-	-	36
	Chloride	mg/L					-	-	-	1270
	Conductivity	µs/cm					-	-	-	6940
	Lead	mg/L					-	-	-	0.001
	Magnesium	mg/L					-	-	-	117
	Nitrate	mg/L					-	-	-	1.48
	Potassium	mg/L					-	-	-	22
	Sodium	mg/L					-	-	-	1620
	Standing Water Level	m					-	-	-	7.89
	Sulphate	mg/L					-	-	-	692
pH	pH	-	-	-	8.5					
9	Ammonia	mg/L	Quarterly	1	29/11/16	5/12/16	-	-	-	<0.01
	Bicarbonate	mg/L					-	-	-	850
	Calcium	mg/L					-	-	-	271
	Chloride	mg/L					-	-	-	1110



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	Conductivity	µs/cm					-	-	-	5700
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	234
	Nitrate	mg/L					-	-	-	0.21
	Potassium	mg/L					-	-	-	122
	Sodium	mg/L					-	-	-	721
	Standing Water Level	m					-	-	-	1.69
	Sulphate	mg/L					-	-	-	744
	pH	pH					-	-	-	7.0
10	Ammonia	mg/L	Quarterly	1	29/11/16	5/12/16	-	-	-	<0.01
	Bicarbonate	mg/L					-	-	-	660
	Calcium	mg/L					-	-	-	204
	Chloride	mg/L					-	-	-	1340
	Conductivity	µs/cm					-	-	-	5510
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	218
	Nitrate	mg/L					-	-	-	14.8
	Potassium	mg/L					-	-	-	60
	Sodium	mg/L					-	-	-	732
	Standing Water Level	m					-	-	-	1.04
	Sulphate	mg/L					-	-	-	246
pH	pH	-	-	-	7.3					



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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 _{A1, 1} Minute	L _{Aeq, 15} Minute				
N1	-	-	-	-	-	35	-	-	-
	-	-	-	-	-	35	-	-	
	-	-	-	-	-	35	-	-	
	-	-	-	-	-	45	-	-	

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Figure 1 – EPL 3637 Monitoring Locations

