



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: March 2016

Obtained Date: 7th April, 2016

Publication Date: 11th April, 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	17/03/16	1/04/16	-	-	-	0.8
5	Solid Particles	g/m ² /month	Continuous	0	-	-	-	-	-	-
	PM ₁₀	µg/m ³	Every 6 days	5	Various	7/4/16	9.4	16.76	11.0	34.2
11	PM ₁₀	µg/m ³	Every 6 days	0	-	-	-	-	-	-
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	7/4/16	7.4	16.18	15.7	24.8
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	0						
	Oil and Grease	mg/L		0						
	Total Organic Carbon	mg/L		0						



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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
	Total Suspended Solids	mg/L		0						
	pH	pH		0						

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	23/03/16	1/04/16	-	-	-	0.02
	Bicarbonate	mg/L					-	-	-	1390
	Calcium	mg/L					-	-	-	35
	Chloride	mg/L					-	-	-	1190
	Conductivity	µs/cm					-	-	-	7410
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	117
	Nitrate	mg/L					-	-	-	0.63
	Potassium	mg/L					-	-	-	19
	Sodium	mg/L					-	-	-	1480
	Standing Water Level	m					-	-	-	8.39
	Sulphate	mg/L					-	-	-	709
pH	pH	-	-	-	8.3					
9	Ammonia	mg/L	Quarterly	1	23/03/16	1/04/16	-	-	-	0.07
	Bicarbonate	mg/L					-	-	-	927



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	Calcium	mg/L					-	-	-	248
	Chloride	mg/L					-	-	-	1060
	Conductivity	µs/cm					-	-	-	5940
	Lead	mg/L					-	-	-	<0.001
	Magnesium	mg/L					-	-	-	224
	Nitrate	mg/L					-	-	-	0.09
	Potassium	mg/L					-	-	-	114
	Sodium	mg/L					-	-	-	633
	Standing Water Level	m					-	-	-	2.15
	Sulphate	mg/L					-	-	-	763
	pH	pH					-	-	-	7.1
10	Ammonia	mg/L	Quarterly	1	23/03/16	1/04/16	-	-	-	0.02
	Bicarbonate	mg/L					-	-	-	697
	Calcium	mg/L					-	-	-	178
	Chloride	mg/L					-	-	-	1290
	Conductivity	µs/cm					-	-	-	5910
	Lead	mg/L					-	-	-	0.003
	Magnesium	mg/L					-	-	-	205
	Nitrate	mg/L					-	-	-	14.1
	Potassium	mg/L					-	-	-	54
	Sodium	mg/L					-	-	-	634
	Standing Water Level	m					-	-	-	1.55
	Sulphate	mg/L					-	-	-	272
	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 _{A1, 1} Minute	L _{Aeq, 15} Minute				
N1	22-03-16	7:25pm	15 min	-	27	35	3.8/119	-	No
	23-03-16	6:20am	15 min	-	32	35	3.8/112	-	
	23-03-16	7:08am	15 min	-	31	35	3.0/105	-	
	23-03-16	6:20am	1 min	37	-	45	3.8/112	-	

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Figure 1 – EPL 3637 Monitoring Locations

