



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 2014

Publication Date: 29th April 2014

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	17/3/14	25/3/14	-	-	-	3.0
5	Solid Particles	g/m ² /month	Continuous	1	17/3/14	25/3/14	-	-	-	2.0
	PM ₁₀	µg/m ³	Every 6 days	5	Various	15/4/14	3.7	8.2	8.6	11.8
11	PM ₁₀	µg/m ³	Every 6 days	5	Various	15/4/14	3.7	12.2	13.9	16.8
12	PM ₁₀	µg/m ³	Every 6 days	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	0	-	-	-	-	-	-
	Oil and Grease	mg/L		0	-	-	-	-	-	-
	Total Organic Carbon	mg/L		0	-	-	-	-	-	-
	Total Suspended Solids	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-



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Table 2 – 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	3/4/14	11/4/14	-	-	-	0.02
	Bicarbonate	mg/L		1	3/4/14	11/4/14	-	-	-	1320
	Calcium	mg/L		1	3/4/14	11/4/14	-	-	-	36
	Chloride	mg/L		1	3/4/14	11/4/14	-	-	-	1200
	Conductivity	µs/cm		1	3/4/14	11/4/14	-	-	-	7340
	Lead	mg/L		1	3/4/14	11/4/14	-	-	-	0.005
	Magnesium	mg/L		1	3/4/14	11/4/14	-	-	-	117
	Nitrate	mg/L		1	3/4/14	11/4/14	-	-	-	0.18
	Potassium	mg/L		1	3/4/14	11/4/14	-	-	-	23
	Sodium	mg/L		1	3/4/14	11/4/14	-	-	-	1570
	Standing Water Level	m		1	3/4/14	11/4/14	-	-	-	6.37
	Sulphate	mg/L		1	3/4/14	11/4/14	-	-	-	723
pH	pH	1	3/4/14	11/4/14	-	-	-	8.10		
9	Ammonia	mg/L	Quarterly	1	3/4/14	11/4/14	-	-	-	0.02
	Bicarbonate	mg/L		1	3/4/14	11/4/14	-	-	-	816
	Calcium	mg/L		1	3/4/14	11/4/14	-	-	-	255
	Chloride	mg/L		1	3/4/14	11/4/14	-	-	-	1110
	Conductivity	µs/cm		1	3/4/14	11/4/14	-	-	-	6080
	Lead	mg/L		1	3/4/14	11/4/14	-	-	-	0.006
	Magnesium	mg/L		1	3/4/14	11/4/14	-	-	-	256
	Nitrate	mg/L		1	3/4/14	11/4/14	-	-	-	0.29
	Potassium	mg/L		1	3/4/14	11/4/14	-	-	-	120
	Sodium	mg/L		1	3/4/14	11/4/14	-	-	-	696
	Standing Water Level	m		1	3/4/14	11/4/14	-	-	-	1.17
	Sulphate	mg/L		1	3/4/14	11/4/14	-	-	-	836
pH	pH	1	3/4/14	11/4/14	-	-	-	7.35		
10	Ammonia	mg/L	Quarterly	1	-	-	-	-	-	0.02



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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
	Bicarbonate	mg/L		1	-	-	-	-	-	655
	Calcium	mg/L		1	-	-	-	-	-	190
	Chloride	mg/L		1	-	-	-	-	-	1400
	Conductivity	µs/cm		1	-	-	-	-	-	5900
	Lead	mg/L		1	-	-	-	-	-	0.004
	Magnesium	mg/L		1	-	-	-	-	-	233
	Nitrate	mg/L		1	-	-	-	-	-	14.8
	Potassium	mg/L		1	-	-	-	-	-	65
	Sodium	mg/L		1	-	-	-	-	-	666
	Standing Water Level	m		1	-	-	-	-	-	1.15
	Sulphate	mg/L		1	-	-	-	-	-	268
	pH	pH		1	-	-	-	-	-	7.33

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	-	-	No monitoring this month
	-	-	-		-	35	-	-	
	-	-	-		-	35	-	-	
	-	-	-	-		45	-	-	

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Figure 1 – EPL 3637 Monitoring Locations

