

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: August 2014

Publication Date: 18th September 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	14/8/14	21/8/14	-	-	-	0.4
5	Solid Particles	g/m ² /month	Continuous	1	14/8/14	21/8/14	-	-	-	26.2
	PM ₁₀	µg/m ³	Every 6 days	5	Various	10/9/14	1.3	6.0	5.2	11.2
11	PM ₁₀	µg/m ³	Every 6 days	5	Various	10/9/14	3.9	11.7	9.7	27.7
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	10/9/14	6.7	13.1	8	23.5
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	29/8/14	9/9/14	-	-	-	<0.01
	Bicarbonate	mg/L		1	29/8/14	9/9/14	-	-	-	1170
	Calcium	mg/L		1	29/8/14	9/9/14	-	-	-	32
	Chloride	mg/L		1	29/8/14	9/9/14	-	-	-	1320
	Conductivity	µs/cm		1	29/8/14	9/9/14	-	-	-	7340
	Lead	mg/L		1	29/8/14	9/9/14	-	-	-	0.005
	Magnesium	mg/L		1	29/8/14	9/9/14	-	-	-	113
	Nitrate	mg/L		1	29/8/14	9/9/14	-	-	-	0.61
	Potassium	mg/L		1	29/8/14	9/9/14	-	-	-	26
	Sodium	mg/L		1	29/8/14	9/9/14	-	-	-	1510
	Standing Water Level	m		1	29/8/14	9/9/14	-	-	-	6.6
	Sulphate	mg/L		1	29/8/14	9/9/14	-	-	-	684
pH	pH	1	29/8/14	9/9/14	-	-	-	8.45		
9	Ammonia	mg/L	Quarterly	1	29/8/14	9/9/14	-	-	-	0.06
	Bicarbonate	mg/L		1	29/8/14	9/9/14	-	-	-	779
	Calcium	mg/L		1	29/8/14	9/9/14	-	-	-	261
	Chloride	mg/L		1	29/8/14	9/9/14	-	-	-	1160
	Conductivity	µs/cm		1	29/8/14	9/9/14	-	-	-	6060
	Lead	mg/L		1	29/8/14	9/9/14	-	-	-	0.003
	Magnesium	mg/L		1	29/8/14	9/9/14	-	-	-	238
	Nitrate	mg/L		1	29/8/14	9/9/14	-	-	-	0.03
	Potassium	mg/L		1	29/8/14	9/9/14	-	-	-	125
	Sodium	mg/L		1	29/8/14	9/9/14	-	-	-	703
	Standing Water Level	m		1	29/8/14	9/9/14	-	-	-	0.75
	Sulphate	mg/L		1	29/8/14	9/9/14	-	-	-	755
pH	pH	1	29/8/14	9/9/14	-	-	-	7.54		
10	Ammonia	mg/L	Quarterly	1	29/8/14	9/9/14	-	-	-	0.01



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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	29/8/14	9/9/14	-	-	-	623
	Calcium	mg/L		1	29/8/14	9/9/14	-	-	-	192
	Chloride	mg/L		1	29/8/14	9/9/14	-	-	-	1400
	Conductivity	µs/cm		1	29/8/14	9/9/14	-	-	-	5950
	Lead	mg/L		1	29/8/14	9/9/14	-	-	-	0.002
	Magnesium	mg/L		1	29/8/14	9/9/14	-	-	-	219
	Nitrate	mg/L		1	29/8/14	9/9/14	-	-	-	14.4
	Potassium	mg/L		1	29/8/14	9/9/14	-	-	-	66
	Sodium	mg/L		1	29/8/14	9/9/14	-	-	-	718
	Standing Water Level	m		1	29/8/14	9/9/14	-	-	-	0.76
	Sulphate	mg/L		1	29/8/14	9/9/14	-	-	-	259
	pH	pH		1	29/8/14	9/9/14	-	-	-	7.73

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

