

WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY
Site Information

EPL No: 3637

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32344&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 2013

Publication Date: 15th July 2013

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	19/6/13	28/6/13	-	-	-	0.6
5	Solid Particles	g/m ² /month	Continuous	1	19/6/13	28/6/13	-	-	-	20.2
	PM ₁₀	µg/m ³	Every 6 days	5	Various	9/7/13	<0.1	4.0	3.9	6.7
11	PM ₁₀	µg/m ³	Every 6 days	5	Various	9/7/13	0.4	6.9	5.4	20.9
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	9/7/13	0.5	10.1	13.0	21.3
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	19/6/13	27/6/13	-	-	-	<0.01
	Bicarbonate	mg/L		1	19/6/13	27/6/13	-	-	-	1220
	Calcium	mg/L		1	19/6/13	27/6/13	-	-	-	29
	Chloride	mg/L		1	19/6/13	27/6/13	-	-	-	1110
	Conductivity	µs/cm		1	19/6/13	27/6/13	-	-	-	7180
	Lead	mg/L		1	19/6/13	27/6/13	-	-	-	0.002
	Magnesium	mg/L		1	19/6/13	27/6/13	-	-	-	102
	Nitrate	mg/L		1	19/6/13	27/6/13	-	-	-	0.38
	Potassium	mg/L		1	19/6/13	27/6/13	-	-	-	22
	Sodium	mg/L		1	19/6/13	27/6/13	-	-	-	1480
	Standing Water Level	m		1	19/6/13	27/6/13	-	-	-	5.7
	Sulphate	mg/L		1	19/6/13	27/6/13	-	-	-	620
pH	pH	1	19/6/13	27/6/13	-	-	-	8.11		
9	Ammonia	mg/L	Quarterly	1	19/6/13	27/6/13	-	-	-	0.02
	Bicarbonate	mg/L		1	19/6/13	27/6/13	-	-	-	758
	Calcium	mg/L		1	19/6/13	27/6/13	-	-	-	226
	Chloride	mg/L		1	19/6/13	27/6/13	-	-	-	973
	Conductivity	µs/cm		1	19/6/13	27/6/13	-	-	-	6050
	Lead	mg/L		1	19/6/13	27/6/13	-	-	-	0.004
	Magnesium	mg/L		1	19/6/13	27/6/13	-	-	-	221
	Nitrate	mg/L		1	19/6/13	27/6/13	-	-	-	0.14
	Potassium	mg/L		1	19/6/13	27/6/13	-	-	-	112
	Sodium	mg/L		1	19/6/13	27/6/13	-	-	-	696
	Standing Water Level	m		1	19/6/13	27/6/13	-	-	-	0.74
	Sulphate	mg/L		1	19/6/13	27/6/13	-	-	-	757
pH	pH	1	19/6/13	27/6/13	-	-	-	7.54		
10	Ammonia	mg/L	Quarterly	1	19/6/13	27/6/13	-	-	-	0.03



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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	19/6/13	27/6/13	-	-	-	637
	Calcium	mg/L		1	19/6/13	27/6/13	-	-	-	169
	Chloride	mg/L		1	19/6/13	27/6/13	-	-	-	1200
	Conductivity	µs/cm		1	19/6/13	27/6/13	-	-	-	5880
	Lead	mg/L		1	19/6/13	27/6/13	-	-	-	0.003
	Magnesium	mg/L		1	19/6/13	27/6/13	-	-	-	208
	Nitrate	mg/L		1	19/6/13	27/6/13	-	-	-	13.4
	Potassium	mg/L		1	19/6/13	27/6/13	-	-	-	59
	Sodium	mg/L		1	19/6/13	27/6/13	-	-	-	697
	Standing Water Level	m		1	19/6/13	27/6/13	-	-	-	0.59
	Sulphate	mg/L		1	19/6/13	27/6/13	-	-	-	227
	pH	pH		1	19/6/13	27/6/13	-	-	-	7.78

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						38			No monitoring this month
						37			
						35			
						45			

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Figure 1 – EPL 3637 Monitoring Locations

