

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: August 2013

Publication Date: 25th September 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	19/8/13	27/8/13	-	-	-	0.6
5	Solid Particles	g/m ² /month	Continuous	1	19/8/13	27/8/13	-	-	-	6.4
	PM ₁₀	µg/m ³	Every 6 days	6	Various	11/9/13	5.3	12.3	12.3	19.2
11	PM ₁₀	µg/m ³	Every 6 days	6	Various	11/9/13	11.4	29.1	29.1	49.0
12	PM ₁₀	µg/m ³	Every 6 days	6	Various	11/9/13	7.4	24.0	18.0	64.7
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	5/8/13	13/3/13	-	-	-	1990
	Oil and Grease	mg/L		1	5/8/13	13/3/13	-	-	-	<5
	Total Organic Carbon	mg/L		0	-	-	-	-	-	-
	Total Suspended Solids	mg/L		1	5/8/13	13/3/13	-	-	-	9
	pH	pH		1	5/8/13	13/3/13	-	-	-	8.41



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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	26/8/13	30/8/13	-	-	-	0.03
	Bicarbonate	mg/L		1	26/8/13	30/8/13	-	-	-	1320
	Calcium	mg/L		1	26/8/13	30/8/13	-	-	-	28
	Chloride	mg/L		1	26/8/13	30/8/13	-	-	-	1230
	Conductivity	µs/cm		1	26/8/13	30/8/13	-	-	-	7180
	Lead	mg/L		1	26/8/13	30/8/13	-	-	-	0.002
	Magnesium	mg/L		1	26/8/13	30/8/13	-	-	-	106
	Nitrate	mg/L		1	26/8/13	30/8/13	-	-	-	0.52
	Potassium	mg/L		1	26/8/13	30/8/13	-	-	-	26
	Sodium	mg/L		1	26/8/13	30/8/13	-	-	-	1500
	Standing Water Level	m		1	26/8/13	30/8/13	-	-	-	5.83
	Sulphate	mg/L		1	26/8/13	30/8/13	-	-	-	619
pH	pH	1	26/8/13	30/8/13	-	-	-	8.36		
9	Ammonia	mg/L	Quarterly	1	26/8/13	30/8/13	-	-	-	<0.01
	Bicarbonate	mg/L		1	26/8/13	30/8/13	-	-	-	869
	Calcium	mg/L		1	26/8/13	30/8/13	-	-	-	248
	Chloride	mg/L		1	26/8/13	30/8/13	-	-	-	1110
	Conductivity	µs/cm		1	26/8/13	30/8/13	-	-	-	6020
	Lead	mg/L		1	26/8/13	30/8/13	-	-	-	0.003
	Magnesium	mg/L		1	26/8/13	30/8/13	-	-	-	232
	Nitrate	mg/L		1	26/8/13	30/8/13	-	-	-	<0.01
	Potassium	mg/L		1	26/8/13	30/8/13	-	-	-	124
	Sodium	mg/L		1	26/8/13	30/8/13	-	-	-	704
	Standing Water Level	m		1	26/8/13	30/8/13	-	-	-	0.56
	Sulphate	mg/L		1	26/8/13	30/8/13	-	-	-	676
pH	pH	1	26/8/13	30/8/13	-	-	-	7.45		
10	Ammonia	mg/L	Quarterly	1	26/8/13	30/8/13	-	-	-	<0.01



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	Bicarbonate	mg/L		1	26/8/13	30/8/13	-	-	-	704
	Calcium	mg/L		1	26/8/13	30/8/13	-	-	-	200
	Chloride	mg/L		1	26/8/13	30/8/13	-	-	-	1380
	Conductivity	µs/cm		1	26/8/13	30/8/13	-	-	-	5880
	Lead	mg/L		1	26/8/13	30/8/13	-	-	-	0.002
	Magnesium	mg/L		1	26/8/13	30/8/13	-	-	-	216
	Nitrate	mg/L		1	26/8/13	30/8/13	-	-	-	13.8
	Potassium	mg/L		1	26/8/13	30/8/13	-	-	-	65
	Sodium	mg/L		1	26/8/13	30/8/13	-	-	-	727
	Standing Water Level	m		1	26/8/13	30/8/13	-	-	-	0.47
	Sulphate	mg/L		1	26/8/13	30/8/13	-	-	-	251
	pH	pH		1	26/8/13	30/8/13	-	-	-	7.57

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	27/8/13	2:47pm	15 min		38	38	1.6 / 183	No – project-related property.	
	27/8/13	9:31pm	15 min		43	37	Calm		
	27/8/13	10:31pm	15 min		40	35	1.8 / 343		
	27/8/13	10:31pm	15 min	44		45	1.8 / 343		

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Figure 1 – EPL 3637 Monitoring Locations

