



WHITEHAVEN COAL

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: February 2013

Publication Date: 11th March 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
1	Solid Particles	g/m ² /month	Continuous	1	21/2/13	4/3/13	-	-	-	1.2
2	Solid Particles	g/m ² /month	Continuous	1	21/2/13	4/3/13	-	-	-	6.8
3	Solid Particles	g/m ² /month	Continuous	1	21/2/13	4/3/13	-	-	-	1.6
4	Solid Particles	g/m ² /month	Continuous	1	21/2/13	4/3/13	-	-	-	1.2
5	Solid Particles	g/m ² /month	Continuous	1	21/2/13	4/3/13	-	-	-	*
	PM ₁₀	µg/m ³	Every 6 days	5	Various	8/3/13	<0.1	7.34	6.6	12.7
6	Conductivity	ms/cm	Each overflow event	1	-	-	-	-	-	1030
	Oil and Grease	mg/L		1	-	-	-	-	-	<5
	Total Organic Carbon	mg/L		1	-	-	-	-	-	18
	Total Suspended Solids	mg/L		1	-	-	-	-	-	101
	pH	pH		1	-	-	-	-	-	7.7
7	Conductivity	ms/cm	Quarterly	1	-	-	-	-	-	1460
	Oil and Grease	mg/L		1	-	-	-	-	-	<5
	Total Organic Carbon	mg/L		1	-	-	-	-	-	7
	Total Suspended Solids	mg/L		1	-	-	-	-	-	14
	pH	pH		1	-	-	-	-	-	8.07

* Sample bottle broken on arrival to laboratory



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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	0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Calcium	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Conductivity	µs/cm		0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	Magnesium	mg/L		0	-	-	-	-	-	-
	Nitrate	mg/L		0	-	-	-	-	-	-
	Potassium	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
	Standing Water Level	m		0	-	-	-	-	-	-
	Sulphate	mg/L		0	-	-	-	-	-	-
pH	pH	0	-	-	-	-	-	-	-	
9	Ammonia	mg/L	Quarterly	0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Calcium	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Conductivity	µs/cm		0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	Magnesium	mg/L		0	-	-	-	-	-	-
	Nitrate	mg/L		0	-	-	-	-	-	-
	Potassium	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
	Standing Water Level	m		0	-	-	-	-	-	-
	Sulphate	mg/L		0	-	-	-	-	-	-
pH	pH	0	-	-	-	-	-	-	-	
10	Ammonia	mg/L	Quarterly	0	-	-	-	-	-	-



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	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Calcium	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Conductivity	µs/cm		0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	Magnesium	mg/L		0	-	-	-	-	-	-
	Nitrate	mg/L		0	-	-	-	-	-	-
	Potassium	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
	Standing Water Level	m		0	-	-	-	-	-	-
	Sulphate	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-

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/°)	Observations	(Potential) Non-compliance /breach
				L _{A1, 1} Minute	L _{Aeq, 15} Minute				
N1								No monitoring this month	
								No monitoring this month	
								No monitoring this month	
								No monitoring this month	

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Figure 1 – EPL 3637 Monitoring Locations

