



WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 3637

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=29173&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: April 2012

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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	18/4/12	27/4/12	-	-	-	1.5
2	Solid Particles	g/m ² /month	Continuous	1	18/4/12	27/4/12	-	-	-	1.4
3	Solid Particles	g/m ² /month	Continuous	1	18/4/12	27/4/12	-	-	-	2.0
4	Solid Particles	g/m ² /month	Continuous	1	18/4/12	27/4/12	-	-	-	1.0
5	Solid Particles	g/m ² /month	Continuous	1	18/4/12	27/4/12	-	-	-	1.2
	PM ₁₀	µg/m ³	Every 6 days	5	Various	8/5/12	5.8	10.8	9	16.9
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 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	-	-	-	-	-	-

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10	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	-	-	-	-	-	-	-

Table 3 – Monitoring (Quarterly Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement Period	Measured levels – All sources – dB(A)		Limit(s)	Weather	Observations	(Potential) Non-compliance /breach
				L _{A1, 1} Minute	L _{Aeq, 15} Minute				
N1	27/4/12	2:52pm	15 minutes		50	Day - 38	Calm	Traffic (50), birds (38), CHPP (22)	No
	27/4/12	6:39pm	15 minutes		51	Evening - 37	Calm	Traffic (49), insects (47), CHPP (37)	No
	27/4/12	10:05pm	15 minutes		44	Night - 35	Calm	Traffic (44), CHPP (33)	No
	27/4/12	10:05pm	15 minutes	37		Night - 45	Calm		No

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Figure 1 – EPL 3637 Monitoring Locations

