

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: August 2012

Publication Date: 14th September 2012

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	20/8/12	27/8/12	-	-	-	2.7
2	Solid Particles	g/m ² /month	Continuous	1	20/8/12	27/8/12	-	-	-	0.8
3	Solid Particles	g/m ² /month	Continuous	1	20/8/12	27/8/12	-	-	-	1.0
4	Solid Particles	g/m ² /month	Continuous	1	20/8/12	27/8/12	-	-	-	0.7
5	Solid Particles	g/m ² /month	Continuous	1	20/8/12	27/8/12	-	-	-	43.3
	PM ₁₀	µg/m ³	Every 6 days	5	Various	13/9/12	8.9	13.98	12.7	22.1
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	1/8/12	7/8/12	-	-	-	1560
	Oil and Grease	mg/L		1	1/8/12	7/8/12	-	-	-	<5
	Total Organic Carbon	mg/L		1	1/8/12	7/8/12	-	-	-	6
	Total Suspended Solids	mg/L		1	1/8/12	7/8/12	-	-	-	24
	pH	pH		1	1/8/12	7/8/12	-	-	-	8.28



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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	7/8/12	4:34pm	15 minutes		50	Day - 38	0.5m/s NNW	Traffic (50), birds (46), CHPP (36)	No
	7/8/12	9:41pm	15 minutes		51	Evening - 37	Calm	Traffic (49), insects (47), CHPP (45)	Yes
	7/8/12	11:58pm	15 minutes		47	Night - 35	Calm	Traffic (47), CHPP (43)	Yes
	7/8/12	11:58pm	15 minutes	47		Night - 45	Calm	CHPP (44)	No

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Figure 1 – EPL 3637 Monitoring Locations

