

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: April 2013

Publication Date: 23rd May 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	22/4/13	1/5/13	-	-	-	1.4
5	Solid Particles	g/m ² /month	Continuous	1	22/4/13	1/5/13	-	-	-	15.9
	PM ₁₀	µg/m ³	Every 6 days	5	Various	10/5/13	9.4	17.82	15.1	29.8
11	PM ₁₀	µg/m ³	Every 6 days	5	Various	10/5/13	11.1	23.82	20.8	36.8
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	10/5/13	10.1	26.94	23.1	52.8
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	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	1	-	-	-	-	-	0.13



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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	-	-	-	-	-	643
	Calcium	mg/L		1	-	-	-	-	-	214
	Chloride	mg/L		1	-	-	-	-	-	1630
	Conductivity	µs/cm		1	-	-	-	-	-	5950
	Lead	mg/L		1	-	-	-	-	-	0.003
	Magnesium	mg/L		1	-	-	-	-	-	234
	Nitrate	mg/L		1	-	-	-	-	-	12.6
	Potassium	mg/L		1	-	-	-	-	-	80
	Sodium	mg/L		1	-	-	-	-	-	805
	Standing Water Level	m		1	-	-	-	-	-	0.49
	Sulphate	mg/L		1	-	-	-	-	-	259
	pH	pH		1	-	-	-	-	-	7.26

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	19/4/13	1:57pm	15 minutes		32	35	2.5m/s SW	Traffic (43), plane (35), CPP (32)	No
	19/4/13	7:05pm	15 minutes		35	35	1.0m/s S	Traffic (43), CPP (35), insects (33)	No
	20/4/13	12:00am	15 minutes		35	35	0.5m/s SW	Traffic (43), CPP (35), insects (33)	No
	20/4/13	12:00am	15 minutes	47		45	0.5m/s SW		Yes

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Figure 1 – EPL 3637 Monitoring Locations

