

**WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY**
**Site Information**
**EPL No:** 3637

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33124&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:** December 2013

**Publication Date:** 14<sup>th</sup> January 2014

**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 <sup>2</sup> /month	Continuous	1	17/12/13	2/1/14	-	-	-	3.3
5	Solid Particles	g/m <sup>2</sup> /month	Continuous	1	17/12/13	2/1/14	-	-	-	1.7
	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	6	Various	10/1/14	4.9	12.8	12.8	21.3
11	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	6	Various	10/1/14	6.4	14.6	12.1	28.4
12	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	0	-	-	-	-	-	-
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	1	11/12/13	19/12/13	-	-	-	<0.01
	Bicarbonate	mg/L		1	11/12/13	19/12/13	-	-	-	1240
	Calcium	mg/L		1	11/12/13	19/12/13	-	-	-	30
	Chloride	mg/L		1	11/12/13	19/12/13	-	-	-	1130
	Conductivity	µs/cm		1	11/12/13	19/12/13	-	-	-	7500
	Lead	mg/L		1	11/12/13	19/12/13	-	-	-	0.002
	Magnesium	mg/L		1	11/12/13	19/12/13	-	-	-	113
	Nitrate	mg/L		1	11/12/13	19/12/13	-	-	-	0.13
	Potassium	mg/L		1	11/12/13	19/12/13	-	-	-	25
	Sodium	mg/L		1	11/12/13	19/12/13	-	-	-	1550
	Standing Water Level	m		1	11/12/13	19/12/13	-	-	-	6.09
	Sulphate	mg/L		1	11/12/13	19/12/13	-	-	-	724
pH	pH	1	11/12/13	19/12/13	-	-	-	8.05		
9	Ammonia	mg/L	Quarterly	1	11/12/13	19/12/13	-	-	-	<0.01
	Bicarbonate	mg/L		1	11/12/13	19/12/13	-	-	-	805
	Calcium	mg/L		1	11/12/13	19/12/13	-	-	-	250
	Chloride	mg/L		1	11/12/13	19/12/13	-	-	-	1030
	Conductivity	µs/cm		1	11/12/13	19/12/13	-	-	-	6210
	Lead	mg/L		1	11/12/13	19/12/13	-	-	-	0.002
	Magnesium	mg/L		1	11/12/13	19/12/13	-	-	-	241
	Nitrate	mg/L		1	11/12/13	19/12/13	-	-	-	0.03
	Potassium	mg/L		1	11/12/13	19/12/13	-	-	-	124
	Sodium	mg/L		1	11/12/13	19/12/13	-	-	-	739
	Standing Water Level	m		1	11/12/13	19/12/13	-	-	-	0.76
	Sulphate	mg/L		1	11/12/13	19/12/13	-	-	-	805
pH	pH	1	11/12/13	19/12/13	-	-	-	7.4		
10	Ammonia	mg/L	Quarterly	1	11/12/13	19/12/13	-	-	-	0.03



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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	11/12/13	19/12/13	-	-	-	683
	Calcium	mg/L		1	11/12/13	19/12/13	-	-	-	202
	Chloride	mg/L		1	11/12/13	19/12/13	-	-	-	1280
	Conductivity	µs/cm		1	11/12/13	19/12/13	-	-	-	6080
	Lead	mg/L		1	11/12/13	19/12/13	-	-	-	0.002
	Magnesium	mg/L		1	11/12/13	19/12/13	-	-	-	217
	Nitrate	mg/L		1	11/12/13	19/12/13	-	-	-	14.3
	Potassium	mg/L		1	11/12/13	19/12/13	-	-	-	67
	Sodium	mg/L		1	11/12/13	19/12/13	-	-	-	740
	Standing Water Level	m		1	11/12/13	19/12/13	-	-	-	0.71
	Sulphate	mg/L		1	11/12/13	19/12/13	-	-	-	266
	pH	pH		1	11/12/13	19/12/13	-	-	-	7.42

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 <sub>A1, 1</sub> Minute	L <sub>Aeq, 15</sub> Minute				
N1	4/12/13	10:03am	15 min		Inaudible	38	1.5m/s, 300°	-	Project related property – criteria do not apply
	4/12/13	8:31pm	15 min		32	37	4.0m/s, 328°	-	
	4/12/13	10:50pm	15 min		31	35	0.9m/s, 0°	-	
	4/12/13	10:50pm	15 min	40		45	0.9m/s, 0°	-	

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Figure 1 – EPL 3637 Monitoring Locations

