

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

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33514&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:** November 2014

**Publication Date:** 12<sup>th</sup> January 2015

**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	14/11/14	27/11/14	-	-	-	2.2
5	Solid Particles	g/m <sup>2</sup> /month	Continuous	1	14/11/14	27/11/14	-	-	-	2.2
	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	12/12/14	8.1	18.1	11.1	46.0
11	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	12/12/14	10.5	17.1	15.4	26.1
12	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	12/12/14	5.8	33.3	20.6	73.4
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	5/11/14	12/11/14	-	-	-	3070
	Oil and Grease	mg/L		1	5/11/14	12/11/14	-	-	-	<5
	Total Organic Carbon	mg/L		1	5/11/14	12/11/14	-	-	-	5
	Total Suspended Solids	mg/L		1	5/11/14	12/11/14	-	-	-	10
	pH	pH		1	5/11/14	12/11/14	-	-	-	8.36



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



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

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	19/11/14	-	-		-	35	-	Monitoring conducted at other non-licensed premises and results extrapolated to indicate unlikely chance of exceedances.	-
	19/11/14	-	-		-	35	-		
	19/11/14	-	-		-	35	-		
	19/11/14	-	-	-		45	-		

**WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 3637 Monitoring Locations

