

**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:** May 2013

**Publication Date:** 21<sup>st</sup> June 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 <sup>2</sup> /month	Continuous	1	20/5/13	29/5/13	-	-	-	1.5
5	Solid Particles	g/m <sup>2</sup> /month	Continuous	1	20/5/13	29/5/13	-	-	-	30.2
	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	11/6/13	6.0	13.5	11	21.8
11	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	11/6/13	6.4	26.3	20.4	51.4
12	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	11/6/13	23.9	48.9	29.5	95.8
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	1	1/5/13	8/5/13	-	-	-	2120
	Oil and Grease	mg/L		1	1/5/13	8/5/13	-	-	-	<5
	Total Organic Carbon	mg/L		1	1/5/13	8/5/13	-	-	-	7
	Total Suspended Solids	mg/L		1	1/5/13	8/5/13	-	-	-	27
	pH	pH		1	1/5/13	8/5/13	-	-	-	8.55



**WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY**

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	0	-	-	-	-	-	-



## WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

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		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 (wind speed/direction)	Observations	(Potential) Non-compliance /breach
				L <sub>A1, 1</sub> Minute	L <sub>Aeq, 15</sub> Minute				
N1						35			No monitoring this month
						35			
						35			
						45			

**WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 3637 Monitoring Locations

