



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: December 2014

Publication Date: 21st April 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 ² /month	Continuous	1	16/12/14	24/12/14	-	-	-	3.2
5	Solid Particles	g/m ² /month	Continuous	1	16/12/14	24/12/14	-	-	-	28.5
	PM ₁₀	µg/m ³	Every 6 days	5	Various	12/1/15	5.4	12.7	11.1	24.2
11	PM ₁₀	µg/m ³	Every 6 days	5	Various	12/1/15	8.0	18.6	15.6	36.8
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	12/1/15	10.7	33.8	25.6	81.7
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			-	-	-	



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	1	1/12/14	8/12/14	-	-	-	0.02
	Bicarbonate	mg/L		1	1/12/14	8/12/14	-	-	-	1210
	Calcium	mg/L		1	1/12/14	8/12/14	-	-	-	38
	Chloride	mg/L		1	1/12/14	8/12/14	-	-	-	1330
	Conductivity	µs/cm		1	1/12/14	8/12/14	-	-	-	7360
	Lead	mg/L		1	1/12/14	8/12/14	-	-	-	0.003
	Magnesium	mg/L		1	1/12/14	8/12/14	-	-	-	107
	Nitrate	mg/L		1	1/12/14	8/12/14	-	-	-	0.41
	Potassium	mg/L		1	1/12/14	8/12/14	-	-	-	28
	Sodium	mg/L		1	1/12/14	8/12/14	-	-	-	1420
	Standing Water Level	m		1	1/12/14	8/12/14	-	-	-	
	Sulphate	mg/L		1	1/12/14	8/12/14	-	-	-	702
	pH	pH		1	1/12/14	8/12/14	-	-	-	8.32
9	Ammonia	mg/L	Quarterly	1	1/12/14	8/12/14	-	-	-	<0.01
	Bicarbonate	mg/L		1	1/12/14	8/12/14	-	-	-	779
	Calcium	mg/L		1	1/12/14	8/12/14	-	-	-	259
	Chloride	mg/L		1	1/12/14	8/12/14	-	-	-	1180
	Conductivity	µs/cm		1	1/12/14	8/12/14	-	-	-	6050
	Lead	mg/L		1	1/12/14	8/12/14	-	-	-	>0.001
	Magnesium	mg/L		1	1/12/14	8/12/14	-	-	-	232
	Nitrate	mg/L		1	1/12/14	8/12/14	-	-	-	0.08
	Potassium	mg/L		1	1/12/14	8/12/14	-	-	-	108
	Sodium	mg/L		1	1/12/14	8/12/14	-	-	-	705
	Standing Water Level	m		1	1/12/14	8/12/14	-	-	-	
	Sulphate	mg/L		1	1/12/14	8/12/14	-	-	-	752
	pH	pH		1	1/12/14	8/12/14	-	-	-	7.66
10	Ammonia	mg/L	Quarterly	1	1/12/14	8/12/14	-	-	-	0.05

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		1	1/12/14	8/12/14	-	-	-	638
	Calcium	mg/L		1	1/12/14	8/12/14	-	-	-	167
	Chloride	mg/L		1	1/12/14	8/12/14	-	-	-	1360
	Conductivity	µs/cm		1	1/12/14	8/12/14	-	-	-	5910
	Lead	mg/L		1	1/12/14	8/12/14	-	-	-	0.002
	Magnesium	mg/L		1	1/12/14	8/12/14	-	-	-	203
	Nitrate	mg/L		1	1/12/14	8/12/14	-	-	-	15.1
	Potassium	mg/L		1	1/12/14	8/12/14	-	-	-	51
	Sodium	mg/L		1	1/12/14	8/12/14	-	-	-	61
	Standing Water Level	m		1	1/12/14	8/12/14	-	-	-	
	Sulphate	mg/L		1	1/12/14	8/12/14	-	-	-	284
	pH	pH		1	1/12/14	8/12/14	-	-	-	7.67

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	-	-	-		-	35	-	-	No monitoring this month
	-	-	-		-	35	-	-	
	-	-	-		-	35	-	-	
	-	-	-	-		45	-	-	



WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

Figure 1 – EPL 3637 Monitoring Locations

