



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: March 2015

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	17/3/15	25/3/15	-	-	-	1.0
5	Solid Particles	g/m ² /month	Continuous	1	17/3/15	25/3/15	-	-	-	42.0
	PM ₁₀	µg/m ³	Every 6 days	4	Various	13/4/15	12.8	21.6	21.7	30.3
11	PM ₁₀	µg/m ³	Every 6 days	5	Various	13/4/15	14.0	26.6	31.8	40.8
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	13/4/15	12.6	22.5	19.1	39.1
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	4/3/15	19/3/15	-	-	-	0.02
	Bicarbonate	mg/L		1	4/3/15	19/3/15	-	-	-	1350
	Calcium	mg/L		1	4/3/15	19/3/15	-	-	-	25
	Chloride	mg/L		1	4/3/15	19/3/15	-	-	-	1380
	Conductivity	µs/cm		1	4/3/15	19/3/15	-	-	-	7440
	Lead	mg/L		1	4/3/15	19/3/15	-	-	-	0.002
	Magnesium	mg/L		1	4/3/15	19/3/15	-	-	-	94
	Nitrate	mg/L		1	4/3/15	19/3/15	-	-	-	0.43
	Potassium	mg/L		1	4/3/15	19/3/15	-	-	-	24
	Sodium	mg/L		1	4/3/15	19/3/15	-	-	-	1460
	Standing Water Level	m		1	4/3/15	19/3/15	-	-	-	6.92
	Sulphate	mg/L		1	4/3/15	19/3/15	-	-	-	671
	pH	pH		1	4/3/15	19/3/15	-	-	-	8.35
9	Ammonia	mg/L	Quarterly	1	4/3/15	19/3/15	-	-	-	0.11
	Bicarbonate	mg/L		1	4/3/15	19/3/15	-	-	-	850
	Calcium	mg/L		1	4/3/15	19/3/15	-	-	-	217
	Chloride	mg/L		1	4/3/15	19/3/15	-	-	-	1200
	Conductivity	µs/cm		1	4/3/15	19/3/15	-	-	-	6060
	Lead	mg/L		1	4/3/15	19/3/15	-	-	-	<0.001
	Magnesium	mg/L		1	4/3/15	19/3/15	-	-	-	215
	Nitrate	mg/L		1	4/3/15	19/3/15	-	-	-	0.25
	Potassium	mg/L		1	4/3/15	19/3/15	-	-	-	115
	Sodium	mg/L		1	4/3/15	19/3/15	-	-	-	713
	Standing Water Level	m		1	4/3/15	19/3/15	-	-	-	0.98
	Sulphate	mg/L		1	4/3/15	19/3/15	-	-	-	762
	pH	pH		1	4/3/15	19/3/15	-	-	-	7.7
10	Ammonia	mg/L	Quarterly	1	4/3/15	19/3/15	-	-	-	0.04



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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	4/3/15	19/3/15	-	-	-	711
	Calcium	mg/L		1	4/3/15	19/3/15	-	-	-	176
	Chloride	mg/L		1	4/3/15	19/3/15	-	-	-	1470
	Conductivity	µs/cm		1	4/3/15	19/3/15	-	-	-	5970
	Lead	mg/L		1	4/3/15	19/3/15	-	-	-	<0.001
	Magnesium	mg/L		1	4/3/15	19/3/15	-	-	-	196
	Nitrate	mg/L		1	4/3/15	19/3/15	-	-	-	14.3
	Potassium	mg/L		1	4/3/15	19/3/15	-	-	-	72
	Sodium	mg/L		1	4/3/15	19/3/15	-	-	-	724
	Standing Water Level	m		1	4/3/15	19/3/15	-	-	-	1.12
	Sulphate	mg/L		1	4/3/15	19/3/15	-	-	-	297
	pH	pH		1	4/3/15	19/3/15	-	-	-	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	-	-	-	-	-	-	-	-	No monitoring this month
	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	



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Figure 1 – EPL 3637 Monitoring Locations

