



WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 3637

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=29173&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 2012

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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
1	Solid Particles	g/m ² /month	Continuous	1	18/5/12	29/5/12	-	-	-	2.8
2	Solid Particles	g/m ² /month	Continuous	1	18/5/12	29/5/12	-	-	-	0.6
3	Solid Particles	g/m ² /month	Continuous	1	18/5/12	29/5/12	-	-	-	0.6
4	Solid Particles	g/m ² /month	Continuous	1	18/5/12	29/5/12	-	-	-	0.6
5	Solid Particles	g/m ² /month	Continuous	1	18/5/12	29/5/12	-	-	-	1.6
	PM ₁₀	µg/m ³	Every 6 days	5	Various	8/6/12	1.2	8.34	8.4	16.8
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	1/5/12	14/5/12	1420	1420	1420	1420
	Oil and Grease	mg/L		1	1/5/12	14/5/12	<5	<5	<5	<5
	Total Organic Carbon	mg/L		1	1/5/12	14/5/12	5	5	5	5
	Total Suspended Solids	mg/L		1	1/5/12	14/5/12	31	31	31	31
	pH	pH		1	1/5/12	14/5/12	8.16	8.16	8.16	8.16



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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 Value
8	Ammonia	mg/L	Quarterly	1	24/5/12	1/6/12	<0.01	<0.01	<0.01	<0.01
	Bicarbonate	mg/L		1	24/5/12	1/6/12	1350	1350	1350	1350
	Calcium	mg/L		1	24/5/12	1/6/12	28	28	28	28
	Chloride	mg/L		1	24/5/12	1/6/12	1240	1240	1240	1240
	Conductivity	µs/cm		1	24/5/12	1/6/12	6810	6810	6810	6810
	Lead	mg/L		1	24/5/12	1/6/12	0.002	0.002	0.002	0.002
	Magnesium	mg/L		1	24/5/12	1/6/12	101	101	101	101
	Nitrate	mg/L		1	24/5/12	1/6/12	0.19	0.19	0.19	0.19
	Potassium	mg/L		1	24/5/12	1/6/12	23	23	23	23
	Sodium	mg/L		1	24/5/12	1/6/12	1480	1480	1480	1480
	Standing Water Level	m		1	24/5/12	1/6/12	5.11	5.11	5.11	5.11
	Sulphate	mg/L		1	24/5/12	1/6/12	595	595	595	595
pH	pH	1	24/5/12	1/6/12	7.93	7.93	7.93	7.93		
9	Ammonia	mg/L	Quarterly	1	24/5/12	1/6/12	0.02	0.02	0.02	0.02
	Bicarbonate	mg/L		1	24/5/12	1/6/12	776	776	776	776
	Calcium	mg/L		1	24/5/12	1/6/12	222	222	222	222
	Chloride	mg/L		1	24/5/12	1/6/12	1230	1230	1230	1230
	Conductivity	µs/cm		1	24/5/12	1/6/12	5960	5960	5960	5960
	Lead	mg/L		1	24/5/12	1/6/12	0.004	0.004	0.004	0.004
	Magnesium	mg/L		1	24/5/12	1/6/12	253	253	253	253
	Nitrate	mg/L		1	24/5/12	1/6/12	0.62	0.62	0.62	0.62
	Potassium	mg/L		1	24/5/12	1/6/12	131	131	131	131
	Sodium	mg/L		1	24/5/12	1/6/12	770	770	770	770
	Standing Water Level	m		1	24/5/12	1/6/12	0.68	0.68	0.68	0.68
	Sulphate	mg/L		1	24/5/12	1/6/12	735	735	735	735
pH	pH	1	24/5/12	1/6/12	7.66	7.66	7.66	7.66		



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10	Ammonia	mg/L	Quarterly	1	24/5/12	1/6/12	0.07	0.07	0.07	0.07
	Bicarbonate	mg/L		1	24/5/12	1/6/12	698	698	698	698
	Calcium	mg/L		1	24/5/12	1/6/12	189	189	189	189
	Chloride	mg/L		1	24/5/12	1/6/12	1430	1430	1430	1430
	Conductivity	µs/cm		1	24/5/12	1/6/12	5800	5800	5800	5800
	Lead	mg/L		1	24/5/12	1/6/12	0.004	0.004	0.004	0.004
	Magnesium	mg/L		1	24/5/12	1/6/12	221	221	221	221
	Nitrate	mg/L		1	24/5/12	1/6/12	12.3	12.3	12.3	12.3
	Potassium	mg/L		1	24/5/12	1/6/12	66	66	66	66
	Sodium	mg/L		1	24/5/12	1/6/12	744	744	744	744
	Standing Water Level	m		1	24/5/12	1/6/12	0.43	0.43	0.43	0.43
	Sulphate	mg/L		1	24/5/12	1/6/12	252	252	252	252
	pH	pH		1	24/5/12	1/6/12	7.69	7.69	7.69	7.69

Table 3 – Monitoring (Quarterly Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement Period	Measured levels – All sources – dB(A)		Limit(s)	Weather	Observations	(Potential) Non-compliance /breach
				L _{A1, 1} Minute	L _{Aeq, 15} Minute				
N1	-	-	-		-	Day - 38	-	No monitoring this month	-
	-	-	-		-	Evening - 37	-	No monitoring this month	-
	-	-	-		-	Night - 35	-	No monitoring this month	-
	-	-	-	-		Night - 45	-	No monitoring this month	-

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Figure 1 – EPL 3637 Monitoring Locations

