



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 2015

Publication Date: 14 January 2016

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	16/12/15	29/12/15	-	-	-	0.4
5	Solid Particles	g/m ² /month	Continuous	0	-	-	-	-	-	-
	PM ₁₀	µg/m ³	Every 6 days	6	Various	11/01/16	4.0	24.6	20.3	61.0
11	PM ₁₀	µg/m ³	Every 6 days	0	-	-	-	-	-	-
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	11/01/16	8.0	18.56	17.2	32.9
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	-	-	-	-	-	-



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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
	pH	pH		0	-	-	-	-	-	-

Table 2 – Groundwater 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	16/12/15	24/12/15	-	-	-	0.05
	Bicarbonate	mg/L		1	16/12/15	24/12/15	-	-	-	1320
	Calcium	mg/L		1	16/12/15	24/12/15	-	-	-	37
	Chloride	mg/L		1	16/12/15	24/12/15	-	-	-	1330
	Conductivity	µs/cm		1	16/12/15	24/12/15	-	-	-	7610
	Lead	mg/L		1	16/12/15	24/12/15	-	-	-	0.012
	Magnesium	mg/L		1	16/12/15	24/12/15	-	-	-	120
	Nitrate	mg/L		1	16/12/15	24/12/15	-	-	-	1.65
	Potassium	mg/L		1	16/12/15	24/12/15	-	-	-	21
	Sodium	mg/L		1	16/12/15	24/12/15	-	-	-	1560
	Standing Water Level	m		1	16/12/15	24/12/15	-	-	-	8.09
	Sulphate	mg/L		1	16/12/15	24/12/15	-	-	-	785
pH	pH	1	16/12/15	24/12/15	-	-	-	8.34		
9	Ammonia	mg/L	Quarterly	1	16/12/15	24/12/15	-	-	-	0.29
	Bicarbonate	mg/L		1	16/12/15	24/12/15	-	-	-	893
	Calcium	mg/L		1	16/12/15	24/12/15	-	-	-	259
	Chloride	mg/L		1	16/12/15	24/12/15	-	-	-	1170



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	Conductivity	µs/cm		1	16/12/15	24/12/15	-	-	-	6200
	Lead	mg/L		1	16/12/15	24/12/15	-	-	-	0.004
	Magnesium	mg/L		1	16/12/15	24/12/15	-	-	-	240
	Nitrate	mg/L		1	16/12/15	24/12/15	-	-	-	0.50
	Potassium	mg/L		1	16/12/15	24/12/15	-	-	-	118
	Sodium	mg/L		1	16/12/15	24/12/15	-	-	-	709
	Standing Water Level	m		1	16/12/15	24/12/15	-	-	-	1.82
	Sulphate	mg/L		1	16/12/15	24/12/15	-	-	-	850
	pH	pH		1	16/12/15	24/12/15	-	-	-	7.44
10	Ammonia	mg/L	Quarterly	1	16/12/15	24/12/15	-	-	-	0.05
	Bicarbonate	mg/L		1	16/12/15	24/12/15	-	-	-	720
	Calcium	mg/L		1	16/12/15	24/12/15	-	-	-	217
	Chloride	mg/L		1	16/12/15	24/12/15	-	-	-	1420
	Conductivity	µs/cm		1	16/12/15	24/12/15	-	-	-	6050
	Lead	mg/L		1	16/12/15	24/12/15	-	-	-	<0.001
	Magnesium	mg/L		1	16/12/15	24/12/15	-	-	-	232
	Nitrate	mg/L		1	16/12/15	24/12/15	-	-	-	14.8
	Potassium	mg/L		1	16/12/15	24/12/15	-	-	-	63
	Sodium	mg/L		1	16/12/15	24/12/15	-	-	-	738
	Standing Water Level	m		1	16/12/15	24/12/15	-	-	-	1.18
	Sulphate	mg/L		1	16/12/15	24/12/15	-	-	-	283
pH	pH	1	16/12/15	24/12/15	-	-	-	7.57		



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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	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	

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Figure 1 – EPL 3637 Monitoring Locations

