



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: November 2015

Publication Date: 17 December 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	17-11-2015	23-11-2015	-	-	-	1.5
5	Solid Particles	g/m ² /month	Continuous	0	-	-	-	-	-	-
	PM ₁₀	µg/m ³	Every 6 days	5	Various	9-12-2015	10.0	23.9	17.5	45.1
11	PM ₁₀	µg/m ³	Every 6 days	0	-	-	-	-	-	-
12	PM ₁₀	µg/m ³	Every 6 days	5	Various	9-12-2015	15.5	20.7	17.3	29.0
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	18-11-15	26-11-15	-	-	-	2350
	Oil and Grease	mg/L		1	18-11-15	26-11-15	-	-	-	<5
	Total Organic Carbon	mg/L		1	18-11-15	26-11-15	-	-	-	4
	Total Suspended Solids	mg/L		1	18-11-15	26-11-15	-	-	-	5



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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		1	18-11-15	26-11-15	-	-	-	9.10

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	-	-	-	-	-	-	-
	Bicarbonate	mg/L		-	-	-	-	-	-	-
	Calcium	mg/L		-	-	-	-	-	-	-
	Chloride	mg/L		-	-	-	-	-	-	-
	Conductivity	µs/cm		-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	Magnesium	mg/L		-	-	-	-	-	-	-
	Nitrate	mg/L		-	-	-	-	-	-	-
	Potassium	mg/L		-	-	-	-	-	-	-
	Sodium	mg/L		-	-	-	-	-	-	-
	Standing Water Level	m		-	-	-	-	-	-	-
	Sulphate	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
9	Ammonia	mg/L	Quarterly	-	-	-	-	-	-	-
	Bicarbonate	mg/L		-	-	-	-	-	-	-
	Calcium	mg/L		-	-	-	-	-	-	-
	Chloride	mg/L		-	-	-	-	-	-	-



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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
	Conductivity	µs/cm		-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	Magnesium	mg/L		-	-	-	-	-	-	-
	Nitrate	mg/L		-	-	-	-	-	-	-
	Potassium	mg/L		-	-	-	-	-	-	-
	Sodium	mg/L		-	-	-	-	-	-	-
	Standing Water Level	m		-	-	-	-	-	-	-
	Sulphate	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
10	Ammonia	mg/L	Quarterly	-	-	-	-	-	-	-
	Bicarbonate	mg/L		-	-	-	-	-	-	-
	Calcium	mg/L		-	-	-	-	-	-	-
	Chloride	mg/L		-	-	-	-	-	-	-
	Conductivity	µs/cm		-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	Magnesium	mg/L		-	-	-	-	-	-	-
	Nitrate	mg/L		-	-	-	-	-	-	-
	Potassium	mg/L		-	-	-	-	-	-	-
	Sodium	mg/L		-	-	-	-	-	-	-
	Standing Water Level	m		-	-	-	-	-	-	-
	Sulphate	mg/L		-	-	-	-	-	-	-
pH	pH	-	-	-	-	-	-	-		



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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	28-10-15	3:20pm	15 min	-	22	35	2.6m/s, 145	-	No
	28-10-15	9:40pm	15 min	-	inaudible	35	3m/s, 91	-	
	29-10-15	6:29am	15 min	-	29	35	1.8m/s, 122	-	
	29-10-15	6:29am	1 min	34	-	45	1.8m/s, 122	-	

Note: Noise monitoring undertaken in October

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Figure 1 – EPL 3637 Monitoring Locations

