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: May 2015
Publication Date: 19/06/2015

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	Various	20/05/2015	25/05/2015	-	-	-	1.3
5	Solid Particles	$g/m^2/month$	Continuous	Various	20/05/2015	25/05/2015	-	-	-	6.0
	PM_{10}	$\mu g/m^3$	Every 6 days	5	Various	16/06/2015	5.3	15.6	10.3	28.7
11	PM_{10}	$\mu g/m^3$	Every 6 days	5	Various	16/06/2015	6.9	12.74	10.3	20.7
12	PM_{10}	$\mu g/m^3$	Every 6 days	5	Various	16/06/2015	7.4	12.34	7.6	21.1
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	1	05/05/2015	12/05/2015	-	-	-	2190
	Oil and Grease	mg/L		1	05/05/2015	12/05/2015	-	-	-	<5

WHITEHAVEN COAL

WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

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
	Total Organic Carbon	mg/L		1	05/05/2015	12/05/2015	-	-	-	<1
	Total Suspended Solids	mg/L		1	05/05/2015	12/05/2015	-	-	-	16
	pH	pH		1	05/05/2015	12/05/2015	-	-	-	8.47

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		-	-	-	-	-	-	-

WHITEHAVEN COAL

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
9	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		-	-	-	-	-	-	-
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		-	-	-	-	-	-	-

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
	Sulphate	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-

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

WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY

Figure 1 – EPL 3637 Monitoring Locations