



SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12957

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32488&SYSUID=1&LICID=12957>

Licensee: Namoi Mining Pty Ltd

Licensee Address: Sunnyside Coal Project, 259 Coccooboonah Lane, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: December 2013

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Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
1	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/12/2013	3/1/2014	-	-	-	1.8
2	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/12/2013	3/1/2014	-	-	-	2.1
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/12/2013	3/1/2014	-	-	-	1.5
5	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/12/2013	3/1/2014	-	-	-	1.1
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/12/2013	3/1/2014	-	-	-	1.7
7	PM ₁₀	µg/m ³	Every 6 days	6	Various	15/1/2014	5.1	17.6	18.0	30.0
9	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
10	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-



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EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
11	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
12	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 9 and 10 commences and in any case not more than 12 hours after each discharge commences.

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max Value	100%ile Limit	Exceedance (Yes/No)	Comments
9	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	10	-	No discharge
	pH	pH		0	-	-	-	-	6.5-8.5	-	No discharge
10	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	10	-	No discharge
	pH	pH		0	-	-	-	-	6.5-8.5	-	No discharge



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Table 3 – Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach
R1	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	120	No blasting taking place
	Blast Vibration	mm/s			-	-	10	No blasting taking place
R2	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	120	No blasting taking place
	Blast Vibration	mm/s			-	-	10	No blasting taking place
R4	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	120	No blasting taking place
	Blast Vibration	mm/s			-	-	10	No blasting taking place
R6	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	120	No blasting taking place
	Blast Vibration	mm/s			-	-	10	No blasting taking place

DNT – Indicates the blast did not trigger a result at the monitor.

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Figure 1 – EPL 12957 Monitoring Locations

