



## SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

### Site Information

**EPL No:** 12957

**EPA Website Link:** <http://epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=40292&SYSUID=1&LICID=12957>

**Licensee:** Namoi Mining Pty Ltd

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

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** August 2018

**Obtained Date:** 7<sup>th</sup> September 2018

**Publication Date:** 12<sup>th</sup> September 2018

**Table 1 - No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date(s) Obtained	Min Value	Mean Value	Median Value	Max or Only Value
1	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	27/08/18	30/08/18	-	-	-	1.2
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	27/08/18	30/08/18	-	-	-	0.9
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	27/08/18	30/08/18	-	-	-	1.0
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	27/08/18	30/08/18	-	-	-	5.3
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	27/08/18	30/08/18	-	-	-	1.3
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	3	Various	07/09/18	7.1	21.5	28.6	28.8
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

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	Total organic carbon	mg/L	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.

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\*\* 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 3- Noise Monitoring (Noise limits apply)**

EPL ID	Date	Start Time	Measurement Period	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit	Wind speed/ direction	Compliant (Yes/No)	Comments
				L <sub>eq</sub> 15min Day	L <sub>eq</sub> 15min Evening				
13	-		90min			35 dB(A) Leq (15 min)			
			30min						
			90min						
			30min						
			90min						
			30min						
14			90min			35 dB(A) Leq (15 min)			
			30min						
			90min						
			30min						
			90min						
			30min						
15			90min			35 dB(A) Leq (15 min)			
			30min						
			90min						
			30min						
			90min						
			30min						
16			90min						

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		30min			35 dB(A) Leq (15 min)			
		90min						
		30min						
		90min						
		30 min						
17		90min			35 dB(A) Leq (15 min)			
		30min						
		90min						
		30min						
		90min						

**Table 4 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
19	Blast Noise	dB (Lin Peak)	Every Blast	1	104.1	104.1	120	No
	Blast Vibration	mm/s			0.31	0.31	10	No
20	Blast Noise	dB (Lin Peak)	Every Blast	1	103.7	103.7	120	No
	Blast Vibration	mm/s			0.61	0.61	10	No
23	Blast Noise	dB (Lin Peak)	Every Blast	1	102.6	102.6	120	No
	Blast Vibration	mm/s			0.71	0.71	10	No
24	Blast Noise	dB (Lin Peak)	Every Blast	1	103.0	103.0	120	No
	Blast Vibration	mm/s			0.61	0.61	10	No
26	Blast Noise	dB (Lin Peak)	Every Blast		0.99	0.99	120	No
	Blast Vibration	mm/s			108	108	10	No

Figure 1 – EPL 12957 Monitoring Locations

