

## 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:** October 2018

**Obtained Date:** 07<sup>th</sup> November 2018

**Publication Date:** 08<sup>th</sup> November 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	18/09/2018	27/09/2018	-	-	-	3.6
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/09/2018	27/09/2018	-	-	-	2.0
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/09/2018	27/09/2018	-	-	-	1.7
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/09/2018	27/09/2018	-	-	-	1
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/09/2018	27/09/2018	-	-	-	1.4
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	3	Various	05/10/2018	8.2	12.8	14.15	15.4
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
				Leq 15min Day	Leq 15min Evening				
13						35 dB(A) Leq (15 min)			
14						35 dB(A) Leq (15 min)			
15						35 dB(A) Leq (15 min)			
16									

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

**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		99.5	120	No
	Blast Vibration	mm/s				0.04	10	No
20	Blast Noise	dB (Lin Peak)	Every Blast	1		99.2	120	No
	Blast Vibration	mm/s				0.02	10	No
23	Blast Noise	dB (Lin Peak)	Every Blast	1		101.4	120	No
	Blast Vibration	mm/s				0.05	10	No
24	Blast Noise	dB (Lin Peak)	Every Blast	1		101.2	120	No
	Blast Vibration	mm/s				0.04	10	No
26	Blast Noise	dB (Lin Peak)	Every Blast	1		99.1	120	No
	Blast Vibration	mm/s				0.8	10	No

Figure 1 – EPL 12957 Monitoring Locations

