

## 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:** June 2018

**Obtained Date:** 17<sup>th</sup> July 2018

**Publication Date:** 19<sup>th</sup> July 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	19/06/18	27/06/18	-	-	-	1.5
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/06/18	27/06/18	-	-	-	2.4
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/06/18	27/06/18	-	-	-	2.8
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/06/18	27/06/18	-	-	-	1.2
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/06/18	27/06/18	-	-	-	0.6
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	13/07/18	3.4	12.4	13.5	20.2
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	19/06/18	11:00	90min	<30		35 dB(A) Leq (15 min)	8.3m/s, S/SE	Y	
		19:43	30min		IA		2.6m/s, ESE	Y	
	20/06/18	10:13	90min	IA			7m/s, E	Y	
		19:08	30min		IA		5m/s, SE	Y	
	21/06/18	10:39	90min	<30			4.1m/s ENE	Y	
		19:43	30min		IA		2.6m/s ESE	Y	
14	19/06/18	8:37	90min	<30		35 dB(A) Leq (15 min)	6.8m/s, S	Y	
		18:45	30min		IA		2m/s, SE	Y	
	20/06/18	8:33	90min	<30			6.5m/s, ESE	Y	
		18:21	30min		IA		2m/s, SE	Y	
	21/06/18	8:26	90min	38			5m/s, ESE	N	Haul trucks, reversing squawker and dozer audible
		18:05	30min		IA		2m/s, ESE	Y	
15	19/06/18	8:00	90min	30		35 dB(A) Leq (15 min)	6.8m/s, S	Y	
		18:47	30min		IA		2.6m/s, ESE	Y	
	20/06/18	8:30	90min	NM			7m/s, ESE	Y	
		20:27	30min		IA		3.2m/s, SE	Y	
	21/06/18	8:22	90min	37			5m/s, ESE	N	Haul trucks and dozer audible

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		18:04	30min		IA		2.3m/s ESE	Y		
16	19/06/18	14:02	90min	IA		35 dB(A) Leq (15 min)	6.1m/s, SE	Y		
		20:58	30min		IA		5.2m/s, SSE	Y		
		12:33	90min	IA			4m/s, ESE	Y		
	20/06/18	19:08	30min		IA		5m/s, SE	Y		
		21/06/18	12:46	90min	IA			2.5m/s, ESE	Y	
			19:54	30 min			IA	2.5m/s, ESE	Y	
17	19/06/18	14:02	90min	IA		35 dB(A) Leq (15 min)	6.1m/s, SE	Y		
		19:57	30min		IA		5.2m/s, SSE	Y		
	20/06/18	10:41	90min	IA			7m/s, E	Y		
		19:30	30min		IA		5m/s, SE	Y		
	21/06/18	11:01	90min	IA			4m/s, ESE	Y		
		19:08	30min		IA		2.5m/s, ESE	Y		

**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	-	110.3	120	No
	Blast Vibration	mm/s			-	0.39	10	No
20	Blast Noise	dB (Lin Peak)	Every Blast	1	-	108.4	120	No
	Blast Vibration	mm/s			-	0.59	10	No
23	Blast Noise	dB (Lin Peak)	Every Blast	1	-	106.0	120	No
	Blast Vibration	mm/s			-	0.24	10	No
24	Blast Noise	dB (Lin Peak)	Every Blast	1	-	110.3	120	No
	Blast Vibration	mm/s			-	0.21	10	No

Figure 1 – EPL 12957 Monitoring Locations

