

## 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:** December 2019

**Obtained Date:** 20 January 2020

**Publication Date:** 20 January 2020

**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	19/12/19	31/12/19	-	-	-	0.6
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/12/19	31/12/19	-	-	-	1.4
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/12/19	31/12/19	-	-	-	0.7
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/12/19	31/12/19	-	-	-	2.6
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/12/19	31/12/19	-	-	-	0.6
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	10/01/2020	35.8	87.5	62.4	183
9	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	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	16/12/2019	11:28	Day	<30		35 dB(A) Leq (15 min)	167°, 2.8m/s	Y	No evening operations for all days
		18:53	Evening		I/A		151°, 4.1m/s	Y	
	17/12/2019	10:35	Day	32			121 3m/s	Y	
		19:32	Evening		I/A		125°, 4.5m/s	Y	
	18/12/2019	10:35	Day	<30			113° 1.6m/s	Y	
		20:54	Evening		I/A		112°, 1m/s	Y	
14	16/12/2019	11:11	Day	<30		35 dB(A) Leq (15 min)	196°, 2.8m/s	Y	
		18:49	Evening		I/A		156°, 4.6m/s	Y	
	17/12/2019	10:17	Day	<30			89°, 2.9m/s	Y	
		19:22	Evening		I/A		129°, 4.6m/s	Y	
	18/12/2019	10:37	Day	<30			91°, 1.9m/s	Y	
		20:44	Evening		I/A		113°, 1m/s	Y	
15	16/12/2019	09:29	Day	<30		35 dB(A) Leq (15 min)	149°, 1.6m/s	Y	
		19:30	Evening		I/A		126°, 7m/s	Y	
	17/12/2019	08:35	Day	<30			112°, 2.6m/s	Y	
		18:37	Evening		I/A		137°, 5.1m/s	Y	
	18/12/2019	08:36	Day	<25			79°, 2.2m/s	Y	
		20:03	Evening		I/A		144°, 0.9m/s	Y	

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16	16/12/2019	09:41	Day	I/A		35 dB(A) Leq (15 min)	189°, 3.3m/s	Y	
		19:40	Evening		I/A		127°, 6.2m/s	Y	
	17/12/2019	08:48	Day	I/A			102°, 2.3m/s	Y	
		18:49	Evening		I/A		132°, 4.6m/s	Y	
	18/12/2019	08:51	Day	<30			78°, 3m/s	Y	
		20:07	Evening		I/A		-,0m/s	Y	
17	16/12/2019	09:29	Day	I/A		40 dB(A) Leq (15 min)	184°, 3.9m/s	Y	
		18:05	Evening		I/A		182°, 3.9m/s	Y	
	17/12/2019	12:18	Day	<35			136°, 2.96m/s	Y	
		20:11	Evening		I/A		128°, 4.5m/s	Y	
	18/12/2019	12:28	Day	35			252°, 0.5m/s	Y	
		21:35	Evening		I/A		0m/s	Y	

Figure 1 – EPL 12957 Monitoring Locations

