

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 2020

Obtained Date: 16th July 2020

Publication Date: 17th July 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 ² /month	Continuous	1	18/06/20	27/06/20	-	-	-	0.6
2	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/06/20	27/06/20	-	-	-	2.7
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/06/20	27/06/20	-	-	-	0.3
5	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/06/20	27/06/20	-	-	-	0.4
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/06/20	27/06/20	-	-	-	0.4
7	PM ₁₀	µg/m ³	Every 6 days	5	Various	14/07/20	0.7	4.76	6.0	6.5
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
11	TSS	mg/L		-	-	-	-	-	-	-

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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
	Conductivity	µS/cm	Special Frequency 2**	-			-	-	-	-
	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.

** 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.



Attended noise monitoring – Noise levels were compliant at all locations,

Table 4-1 Summary of noise assessment at Point 13

Date	Time	Noise Limits	Mine L_{Aeq} Noise Level (dB)		
		$L_{Aeq,15\ min}$	Measured Mine Contribution	Additional LF Penalty	Exceedance
23/06/2020	19:10	35	<7 (I/A) ¹	-	0
	19:26	35	<8 (I/A) ¹	-	0
24/06/2020	20:02	35	<11 (I/A) ¹	-	0
	20:19	35	<11 (I/A) ¹	-	0
	15:16	35	<11 (I/A) ¹	-	0
25/06/2020	15:32	35	<12 (I/A) ¹	-	0
	15:48	35	<11 (I/A) ¹	-	0
	16:03	35	<13 (I/A) ¹	-	0
	16:18	35	<14 (I/A) ¹	-	0
	20:16	35	<8 (I/A) ¹	-	0
	20:32	35	<8 (I/A) ¹	-	0

¹ Where mine noise was inaudible throughout the entire measurement, it is assumed that the contribution is less than 10 dB below the measured L_{A90} .

Table 4-2 Summary of noise assessment at Point 14

Date	Time	Noise Limits	Mine L_{Aeq} Noise Level (dB)		
		$L_{Aeq,15\ min}$	Measured Mine Contribution	Additional LF Penalty	Exceedance
23/06/2020	17:22	35	<13 (I/A) ¹	-	0
	18:00	35	<20 (I/A) ¹	-	0
24/06/2020	13:44	35	<15 (I/A) ¹	-	0
	14:00	35	<25	-	0
	14:18	35	<25	-	0
	18:52	35	<13 (I/A) ¹	-	0
	19:08	35	<11 (I/A) ¹	-	0
25/06/2020	11:33	35	<25	-	0
	11:50	35	<25	-	0
	12:05	35	<15 (I/A) ¹	-	0
	12:20	35	<17 (I/A) ¹	-	0
	12:36	35	<11 (I/A) ¹	-	0
	12:51	35	<25	-	0
	19:19	35	<9 (I/A) ¹	-	0

¹ Where mine noise was inaudible throughout the entire measurement, it is assumed that the contribution is less than 10 dB below the measured L_{A90} .



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Table 4-3 Summary of noise assessment at Point 15

Date	Time	Noise Limits	Mine L _{Aeq} Noise Level (dB)		
		L _{Aeq,15 min}	Measured Mine Contribution	Additional LF Penalty	Exceedance
23/06/2020	18:39	35	<8 (I/A) ¹	-	0
	18:55	35	<7 (I/A) ¹	-	0
24/06/2020	19:46	35	<10 (I/A) ¹	-	0
	13:16	35	<11 (I/A) ¹	-	0
	13:31	35	<11 (I/A) ¹	-	0
25/06/2020	13:47	35	<20	-	0
	14:03	35	<15 (I/A) ¹	-	0
	14:18	35	<15 (I/A) ¹	-	0
	14:34	35	<13 (I/A) ¹	-	0
	19:34	35	<7 (I/A) ¹	-	0
	19:50	35	<7 (I/A) ¹	-	0

¹ Where mine noise was inaudible throughout the entire measurement, it is assumed that the contribution is less than 10 dB below the measured L_{A90}.

Table 4-4 Summary of noise assessment at Point 16

Date	Time	Noise Limits	Mine L _{Aeq} Noise Level (dB)		
		L _{Aeq,15 min}	Measured Mine Contribution	Additional LF Penalty	Exceedance
23/06/2020	18:40	35	<13 (I/A) ¹	-	0
	18:55	35	<13 (I/A) ¹	-	0
24/06/2020	13:00	35	<21 (I/A) ¹	-	0
	18:59	35	<23 (I/A) ¹	-	0
	19:14	35	<13 (I/A) ¹	-	0
25/06/2020	11:47	35	<23 (I/A) ¹	-	0
	12:02	35	<22 (I/A) ¹	-	0
	12:17	35	<17 (I/A) ¹	-	0
	12:32	35	<17 (I/A) ¹	-	0
	12:47	35	<23 (I/A) ¹	-	0
	13:02	35	<19 (I/A) ¹	-	0
	19:11	35	<13 (I/A) ¹	-	0
19:26	35	<13 (I/A) ¹	-	0	

¹ Where mine noise was inaudible throughout the entire measurement, it is assumed that the contribution is less than 10 dB below the measured L_{A90}.

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Table 4-5 Summary of noise assessment at Point 17

Date	Time	Noise Limits	Mine L_{Aeq} Noise Level (dB)		
		$L_{Aeq,15\ min}$	Measured Mine Contribution	Additional LF Penalty	Exceedance
23/06/2020	17:15	35	<14 (I/A) ¹	-	0
	17:30	35	<12 (I/A) ¹	-	0
	17:45	35	<15 (I/A) ¹	-	0
	18:00	35	<16 (I/A) ¹	-	0
	18:15	35	<11 (I/A) ¹	-	0
24/06/2020	20:13	35	<17 (I/A) ¹	-	0
	20:28	35	<16 (I/A) ¹	-	0
25/06/2020	15:08	35	<16 (I/A) ¹	-	0
	15:23	35	<16 (I/A) ¹	-	0
	15:38	35	<15 (I/A) ¹	-	0
	15:53	35	<14 (I/A) ¹	-	0
	16:08	35	<16 (I/A) ¹	-	0
	16:23	35	<17 (I/A) ¹	-	0
	20:23	35	<9 (I/A) ¹	-	0
20:38	35	<10 (I/A) ¹	-	0	

¹ Where mine noise was inaudible throughout the entire measurement, it is assumed that the contribution is less than 10 dB below the measured L_{A90} .

Table 4-6 Summary of noise assessment at Woodlawn

Date	Time	Noise Limits	Mine L_{Aeq} Noise Level (dB)		
		$L_{Aeq,15\ min}$	Measured Mine Contribution	Additional LF Penalty	Exceedance
23/06/2020	19:19	35	<8 (I/A) ¹	-	0
	19:34	35	<10 (I/A) ¹	-	0
24/06/2020	13:41	35	<19 (I/A) ¹	-	0
	13:57	35	<21 (I/A) ¹	-	0
	14:12	35	<18 (I/A) ¹	-	0
	19:51	35	<14 (I/A) ¹	-	0
25/06/2020	13:28	35	<18 (I/A) ¹	-	0
	13:43	35	<19 (I/A) ¹	-	0
	13:58	35	<15 (I/A) ¹	-	0
	14:13	35	<22 (I/A) ¹	-	0
	14:28	35	<13 (I/A) ¹	-	0
	14:43	35	<15 (I/A) ¹	-	0
	19:48	35	<10 (I/A) ¹	-	0
20:03	35	<11 (I/A) ¹	-	0	

¹ Where mine noise was inaudible throughout the entire measurement, it is assumed that the contribution is less than 10 dB below the measured L_{A90} .

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Figure 1 – EPL 12957 Monitoring Locations

