

Maxwell Underground Coal Mine Project

Environmental Monitoring Data September 2021

1 INTRODUCTION

The Maxwell Underground Coal Mine Project is owned by Maxwell Ventures (Management) Pty Limited. This report has been compiled to present environmental monitoring data for the Maxwell Underground Coal Mine Project Environment Protection Licence 1323. This report complies with Section 66(6) of the *Protection of the Environment Operations Act 1997*.

A summary of the Licence details is provided in **Table 1**.

Table 1. A summary of licence and report details

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Environment Protection Licence Number	1323								
Licensee Details	Maxwell Ventures (Management) Pty Limited Private Mail Bag 9 Muswellbrook NSW 2333								
Premises	Maxwell Underground Coal Mine Project Thomas Mitchell Drive Muswellbrook NSW 2333								
Link to the EPA Register	http://app.epa.nsw.gov.au/prpoeoapp/								
Reporting Month	September 2021								
Date of Publication	1 November 2021								
Version	1								
Correction Log	-								

2 MONITORING RESULTS

Air quality monitoring results are provided in Table 2.

Blast monitoring results are provided in Table 3

Noise monitoring results are provided in Table 4.

Maps of monitoring locations are provided in **Appendix 1**.



Table 2. Air quality monitoring results for September 2021

EPA identification no.	Sampling point	Sampling period start date	Sampling period finished date	Unit of measure	Averaging period	Monitoring frequency	Minimum value	Mean value	Median value	Maximum value
8	ES-01	01/09/2021	31/09/2021	micrograms per cubic metre	5 minutes	Continuous	0	24	7	6503
9	ES-02	01/09/2021	31/09/2021	micrograms per cubic metre	5 minutes	Continuous	0	9	8	69
10	ES-03	01/09/2021	31/09/2021	micrograms per cubic metre	5 minutes	Continuous	0	52	7	4205
11	ES-04	01/09/2021	31/09/2021	micrograms per cubic metre	5 minutes	Continuous	0	12	10	68

Table 3. Blast monitoring results for September 2021

Tuble C. Blust	monitoring re	suits for Sept	CITIOCI EULT							
EPA identification no.	Sampling point	Time and Date of blast	Date final report obtained	Unit of measure	Averaging period	Measured value	100 percentile limit	95 percentile limit	Exceedance (yes/no)	Observations
13	Monitoring location BM1									
14	Monitoring location BM2				No blasting occ	curred during S	September 2021			
15	Monitoring location BM3									



Table 4. Noise monitoring results for 20 September 2021

Table 4. Noise monitoring results for 20 September 2021											
EPA identification no.	Sampling point	Day (LA eq (15 minute))		Evening (L _{A eq (15} minute))		Night (LA eq (15 minute))		Night (LA1 (1 minute))		ce	ons
		Criteria	Noise Level	Criteria	Noise Level	Criteria	Noise Level	Criteria	Noise Level	Exceedance (yes/no)	Observations
16	NM1	45	69	41	49	41	55	52	76	No	Project inaudible
17	NM2	44	53	40	42	40	40	52	50	No	Project inaudible
18	NM3	40	56	35	54	35	58	52	81	No	Project inaudible
Additional Informa	ation										
Date of Final Report	28 October 2021										
Weather Conditions	Wind speed 1.7–5.5 m/s. No rain during monitoring.										
Notes	Measured noise so Maxwell Undergro							ı, residential, a	lawn mov	ver, cows.	The



Table 5. Noise monitoring results for 21 September 2021

Table 5. Noise monitoring results for 21 September 2021											
EPA identification no.	Sampling point	Day (LA eq (15 minute))		Evening (L _{A eq (15} minute))		Night (LA eq (15 minute))		Night (L _{A1 (1 minute)})		eo	ons
		Criteria	Noise Level	Criteria	Noise Level	Criteria	Noise Level	Criteria	Noise Level	Exceedance (yes/no)	Observations
16	NM1	45	60	41	52	41	57	52	76	No	Project inaudible
17	NM2	44	40	40	40	40	38	52	50	No	Project inaudible
18	NM3	40	58	35	52	35	55	52	81	No	Project inaudible
Additional Informa	ation										
Date of Final Report	28 October 2021										
Weather Conditions	Wind speed 1.0–2.7 m/s. No rain during monitoring.										
Notes	Measured noise so inaudible at all loca			ds, frogs, a	nearby mine	e, dogs, cows	. The Maxwe	II Underground	d Coal Min	e Project v	vas



Table 6. Noise monitoring results for 22 September 2021

Table 6. Noise mon	itoring results for 2	2 September	7 2021	ı							ı
EPA identification no.	Sampling point	Day (LA eq (15 minute))		Evening (LA eq (15 minute))		Night (LA eq (15 minute))		Night (LA1 (1 minute))		eo	suo
		Criteria	Noise Level	Criteria	Noise Level	Criteria	Noise Level	Criteria	Noise Level	Exceedance (yes/no)	Observations
16	NM1	45	59	41	51	41	41	52	50	No	Project inaudible
17	NM2	44	46	40	42	40	39	52	46	No	Project inaudible
18	NM3	40	51	35	54	35	30	52	52	No	Project inaudible
Additional Informa	ation										
Date of Final Report	28 October 2021										
Weather Conditions	Wind speed 0.9–3.0 m/s. No rain during monitoring.										
Notes	Measured noise so inaudible at all loca			roplanes, bi	rds, frogs, a	nearby mine.	The Maxwe	II Underground	d Coal Min	e Project v	vas



APPENDIX 1 – MAPS OF MONITORING LOCATIONS









