



Maxwell Infrastructure
Environmental Monitoring Data
May 2021

1 INTRODUCTION

Maxwell Infrastructure is owned by Maxwell Ventures (Management) Pty Limited. This report has been compiled to present environmental monitoring data for Maxwell Infrastructure 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

Environment Protection Licence Number	1323
Licensee Details	Maxwell Ventures (Management) Pty Limited PMB 9 Muswellbrook NSW 2333
Premises	Maxwell Infrastructure Thomas Mitchell Drive Muswellbrook NSW 2333
Link to the EPA Register	http://app.epa.nsw.gov.au/prpoeoapp/
Reporting Month	May 2021
Date of Publication	3 June 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 May 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	01/05/2021	31/05/2021	micrograms per cubic metre	5 minutes	Continuous	0	21	9	882
9	ES-02	01/05/2021	31/05/2021	micrograms per cubic metre	5 minutes	Continuous	0	8	6	63
10	ES-03	01/05/2021	31/05/2021	micrograms per cubic metre	5 minutes	Continuous	0	9	8	49
11	ES-04	01/05/2021	31/05/2021	micrograms per cubic metre	5 minutes	Continuous	0	11	10	59

The e-sampler located at ES-03 experienced spurious elevated concentrations during April. Investigations on-site were unable to determine the cause, so the instrument was sent for repair and replaced with a hire unit. However the delays in acquiring the hire unit meant a period of missing data from 30 April to 18 May.

Table 3. Blast monitoring results for May 2021

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
5	Sharman	No blasting occurred during May 2021								
6	De Boer									
7	Antiene									

Table 4. Noise monitoring results for May 2021

Sampling point	Day (L _A eq (15 minute))		Evening (L _A eq (15 minute))		Night (L _A eq (15 minute))		Night (L _{A1} (1 minute))		Exceedance (yes/no)	Observations
	Criteria	Noise Level	Criteria	Noise Level	Criteria	Noise Level	Criteria	Noise Level		
12										
13										
14										
16*										
17										
18										
19										
20										
21										
22										
23										
25										
26										
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34										
35										
37										

Noise monitoring not required to be undertaken during the month of May 2021.
 Noise monitoring is conducted every six months, in March and September.

42	
61*	
69	
70	
71	
72*	
75*	
76*	
86	
All Other Privately- Owned Land	
Additional Information	
Date of Final Report	-
Date Sampled	-
Weather Conditions	-
Notes	*Residences where attended noise monitoring is undertaken. The noise levels at all other locations are determined by noise modelling.

APPENDIX 1 – MAPS OF MONITORING LOCATIONS





