



Maxwell Infrastructure  
Environmental Monitoring Data  
February 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	<a href="http://app.epa.nsw.gov.au/prpoeoapp/">http://app.epa.nsw.gov.au/prpoeoapp/</a>
Reporting Month	February 2021
Date of Publication	12 February 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 February 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	01/02/2021	28/02/2021	micrograms per cubic metre	5 minutes	Continuous	0	19	15	408
9	ES-02	01/02/2021	28/02/2021	micrograms per cubic metre	5 minutes	Continuous	0	495	12	5,368
10	ES-03	01/02/2021	28/02/2021	micrograms per cubic metre	5 minutes	Continuous	0	190	10	24,068
11	ES-04	01/02/2021	28/02/2021	micrograms per cubic metre	5 minutes	Continuous	0	13	12	83

ES-02 exhibited very high peak concentrations (>5,000µg/m<sup>3</sup>) from 7–18 February; equipment was taken away by the monitoring contractor on 22 February for further investigation - were unable to resolve; subsequently sent to equipment distributor for investigation – were also unable to resolve hence returned to equipment manufacturer in the US; replacement e-sampler installed on 5 March.

ES-03 exhibited extreme high concentrations (>24,000µg/m<sup>3</sup>) from 27 February to 1 March; the issue was deemed likely due to a battery failure.

ES-04 power supply failed from 25 February, likely due to damage to the solar panel which was replaced in March.

**Table 3. Blast monitoring results for February 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 February 2021								
6	De Boer									
7	Antiene									

**Table 4. Noise monitoring results for February 2021**

Sampling point	Day (L <sub>A</sub> eq (15 minute))		Evening (L <sub>A</sub> eq (15 minute))		Night (L <sub>A</sub> eq (15 minute))		Night (L <sub>A1</sub> (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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31										
32										
33										
34										
35										
37										

Noise monitoring not required to be undertaken during the month of February 2021.  
 Noise Monitoring is conducted every 6 months in March and September.

42	
61*	
69	
70	
71	
72*	
75*	
76*	
86	
All Other Privately- Owned Land	
<b>Additional Information</b>	
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







