



Maxwell Infrastructure  
Environmental Monitoring Data  
January 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	January 2021
Date of Publication	8 January 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 January 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	01/01/2021	31/01/2021	micrograms per cubic metre	5 minutes	Continuous	0	13	9	1088
9	ES-02	01/01/2021	31/01/2021	micrograms per cubic metre	5 minutes	Continuous	0	23	8	5241
10	ES-03	01/01/2021	31/01/2021	micrograms per cubic metre	5 minutes	Continuous	0	9	8	159
11	ES-04	01/01/2021	31/01/2021	micrograms per cubic metre	5 minutes	Continuous	0	11	10	58

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

**Table 4. Noise monitoring results for January 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										
27										
28										
29										
31										
32										
33										
34										
35										
37										

Noise monitoring not required to be undertaken during the month of January 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



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNR/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

 <p>0 0.38 0.75 1.5 Kilometers</p>	<p><b>Legend</b></p> <ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Depositional Dust Gauge</li> <li><span style="color: green;">●</span> TEOM</li> <li><span style="color: blue;">●</span> Meteorological Station</li> <li><span style="color: pink;">●</span> E Sampler</li> </ul>	<p><b>Figure 1: Maxwell Infrastructure Air Quality Monitoring Locations</b></p> <p>Drawn by: DM Checked by: GC Date: 15/8/18</p>
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