



Maxwell Infrastructure  
Environmental Monitoring Data  
September 2020

## 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	September 2020
Date of Publication	29 October 2020
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 2020**

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	01/09/2020	30/09/2020	micrograms per cubic metre	5 minutes	Continuous	0	19	11	1861
9	ES-02	01/09/2020	30/09/2020	micrograms per cubic metre	5 minutes	Continuous	0	18	10	5207
10	ES-03	01/09/2020	30/09/2020	micrograms per cubic metre	5 minutes	Continuous	0	14	12	88
11	ES-04	01/09/2020	30/09/2020	micrograms per cubic metre	5 minutes	Continuous	0	11	9	110

**Table 3. Blast monitoring results for September 2020**

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 September 2020.								
6	De Boer									
7	Antiene									

**Table 4. Noise monitoring results for September 2020**

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	35	<20	35	<20	39	<20	47	<20	No	
13	35	<20	35	<20	36	<20	45	<20	No	
14	35	<20	35	<20	37	<20	47	<20	No	
16*	35	<20	35	<20	38	<20	47	<20	No	
17	35	<20	35	<20	38	<20	47	<20	No	
18	35	<20	35	<20	40	<20	47	<20	No	
19	35	<20	35	<20	41	<20	47	<20	No	
20	35	<20	35	<20	41	<20	45	<20	No	
21	35	<20	36	<20	41	<20	45	<20	No	
22	35	<20	36	<20	42	<20	45	<20	No	
23	35	<20	37	<20	40	<20	47	<20	No	
25	35	<20	37	<20	41	<20	47	<20	No	
26	36	<20	36	<20	35	<20	47	<20	No	
27	36	<20	36	<20	36	<20	47	<20	No	
28	36	<20	37	<20	37	<20	47	<20	No	
29	36	<20	37	<20	38	<20	47	<20	No	
31	36	<20	37	<20	39	<20	47	<20	No	
32	36	<20	37	<20	42	<20	47	<20	No	
33	37	<20	38	<20	36	<20	45	<20	No	
34	38	<20	38	<20	38	<20	45	<20	No	
35	38	<20	38	<20	38	<20	45	<20	No	
37	38	<20	39	<20	38	<20	45	<20	No	

42	39	<20	40	<20	39	<20	45	<20	No	
61*	39	<20	40	<20	39	<20	45	<20	No	
69	40	<20	39	<20	39	<20	47	<20	No	
70	40	<20	40	<20	39	<20	47	<20	No	
71	41	<20	41	<20	39	<20	47	<20	No	
72*	35	<20	35	<20	35	<20	47	<20	No	
75*	35	<20	35	<20	35	<20	47	<20	No	
76*	35	<20	35	<20	35	<20	47	<20	No	
86	35	<20	35	<20	35	<20	45	<20	No	
All Other Privately- Owned Land	35	<20	35	<20	35	<20	45	<20	No	
<b>Additional Information</b>										
Date of Final Report	22 October 2020									
Date Sampled	22 September 2020 by Matthew Pennington of Spectrum Acoustics									
Weather Conditions	Wind speed 1.8 – 7.0 m/s. There was 0.6mm of rain between 0215 and 0310 hrs.									
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: Env. Monitoring, Geotech, Geomatics, Geographical, CHEM/ANALYSIS, USDA, USGS, AGRICULTURE, 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> TCEM</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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