



Maxwell Infrastructure  
Environmental Monitoring Data  
March 2020

## 1 INTRODUCTION

Maxwell Infrastructure is owned by Malabar Coal. 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	Malabar Coal (Drayton 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	March 2020
Date of Publication	9 April 2020
Version	1
Correction Log	

## 2 MONITORING RESULTS

Air quality monitoring results are provided in **Table 2**.

Blast monitoring results are provided in **Note**: From 7 February 2020 ES02 recorded occasional spikes in mass concentration results, greater than 2000 micrograms per cubic metre. After unsuccessful attempts to rectify the issue on-site, ES02 was removed from site for repairs on 27 February 2020 at approximately 9:40am. The chamber in the unit was thoroughly cleaned and ES02 was returned and re-installed on site on 3 March 2020 at approximately 3pm.

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 March 2020**

EPA identification no.	Sampling point	Sampling period start date	Sampling period finished date	Date final report obtained	Unit of measure	Averaging period	Monitoring frequency	Minimum value	Mean value	Median value	Maximum value
8	ES-01	01/03/2020	31/03/2020	1/04/2020	micrograms per cubic metre	5 minutes	Continuous	0	23	13	3111
9	ES-02	01/03/2020	31/03/2020	1/04/2020	micrograms per cubic metre	5 minutes	Continuous	0	4	3	43
10	ES-03	01/03/2020	31/03/2020	1/04/2020	micrograms per cubic metre	5 minutes	Continuous	0	15	12	123
11	ES-04	01/03/2020	31/03/2020	1/04/2020	micrograms per cubic metre	5 minutes	Continuous	0	15	12	118

Note: From 7 February 2020 ES02 recorded occasional spikes in mass concentration results, greater than 2000 micrograms per cubic metre. After unsuccessful attempts to rectify the issue on-site, ES02 was removed from site for repairs on 27 February 2020 at approximately 9:40am. The chamber in the unit was thoroughly cleaned and ES02 was returned and re-installed on site on 3 March 2020 at approximately 3pm.

**Table 3. Blast monitoring results for March 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 March 2020.								
6	De Boer									
7	Antiene									

**Table 4. Noise monitoring results for March 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	IA	35	IA	39	IA	47	IA	No	
13	35	IA	35	IA	36	IA	45	IA	No	
14	35	IA	35	IA	37	IA	47	IA	No	
16*	35	IA	35	IA	38	IA	47	IA	No	
17	35	IA	35	IA	38	IA	47	IA	No	
18	35	IA	35	IA	40	IA	47	IA	No	
19	35	IA	35	IA	41	IA	47	IA	No	
20	35	IA	35	IA	41	IA	45	IA	No	
21	35	IA	36	IA	41	IA	45	IA	No	
22	35	IA	36	IA	42	IA	45	IA	No	
23	35	IA	37	IA	40	IA	47	IA	No	
25*	35	IA	37	IA	41	IA	47	IA	No	
26	36	IA	36	IA	35	IA	47	IA	No	
27	36	IA	36	IA	36	IA	47	IA	No	
28	36	IA	37	IA	37	IA	47	IA	No	
29	36	IA	37	IA	38	IA	47	IA	No	
31	36	IA	37	IA	39	IA	47	IA	No	
32	36	IA	37	IA	42	IA	47	IA	No	
33	37	IA	38	IA	36	IA	45	IA	No	
34	38	IA	38	IA	38	IA	45	IA	No	
35*	38	IA	38	IA	38	IA	45	IA	No	
37	38	IA	39	IA	38	IA	45	IA	No	

42*	39	IA	40	IA	39	IA	45	IA	No	
61*	39	IA	40	IA	39	IA	45	IA	No	
69	40	IA	39	IA	39	IA	47	IA	No	
70	40	IA	40	IA	39	IA	47	IA	No	
71	41	IA	41	IA	39	IA	47	IA	No	
72*	35	IA	35	IA	35	IA	47	IA	No	
75*	35	IA	35	IA	35	IA	47	IA	No	
76*	35	IA	35	IA	35	IA	47	IA	No	
86	35	IA	35	IA	35	IA	45	IA	No	
All Other Privately- Owned Land	35	IA	35	IA	35	IA	45	IA	No	
<b>Additional Information</b>										
Date of Final Report	17 March 2020									
Date Sampled	16 March 2020									
Weather Conditions	Wind speed 1.2 – 6.1 m/s. No rain.									
Notes	IA - Inaudible *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







