



Maxwell Infrastructure
Environmental Monitoring Data
February 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	http://app.epa.nsw.gov.au/prpoeoapp/
Reporting Month	February 2020
Date of Publication	10 March 2020
Version	1
Correction Log	

2 MONITORING RESULTS

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

Blast monitoring results are provided in **Note**: ES-02 recorded sporadic elevated results from 7 February until the unit was removed for repairs at 9:40 am on 27 February. ES-02 did not record results from this time to the end of the reporting period, while it was undergoing repair.

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 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	01/02/2020	29/02/2020	1/03/2020	micrograms per cubic metre	5 minutes	Continuous	0	23	14	490
9	ES-02	01/02/2020	29/02/2020	1/03/2020	micrograms per cubic metre	5 minutes	Continuous	0	205	4	2,199
10	ES-03	01/02/2020	29/02/2020	1/03/2020	micrograms per cubic metre	5 minutes	Continuous	0	18	15	148
11	ES-04	01/02/2020	29/02/2020	1/03/2020	micrograms per cubic metre	5 minutes	Continuous	0	17	13	128

Note: ES-02 recorded sporadic elevated results from 7 February until the unit was removed for repairs at 9:40 am on 27 February. ES-02 did not record results from this time to the end of the reporting period, while it was undergoing repair.

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

Table 4. Noise monitoring results for February 2020

Sampling point	Day (LA eq (15 minute))		Evening (LA eq (15 minute))		Night (LA eq (15 minute))		Night (LA1 (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 February 2020.
 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	
Additional Information	
Date of Final Report	
Date Sampled	
Weather Conditions	
Notes	

APPENDIX 1 – MAPS OF MONITORING LOCATIONS



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