



Maxwell Infrastructure
Environmental Monitoring Data
May 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	May 2020
Date of Publication	11 June 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 May 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	01/05/2020	31/05/2020	10/06/2020	micrograms per cubic metre	5 minutes	Continuous	0	31	10	3779
9	ES-02	01/05/2020	31/05/2020	10/06/2020	micrograms per cubic metre	5 minutes	Continuous	0	10	8	161
10	ES-03	01/05/2020	31/05/2020	10/06/2020	micrograms per cubic metre	5 minutes	Continuous	0	14	12	122
11	ES-04	01/05/2020	31/05/2020	10/06/2020	micrograms per cubic metre	5 minutes	Continuous	0	13	10	273

Note: From 13 April 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 23 April 2020 at approximately 11:40am. The unit was repaired and returned to operation on 4 May at approximately 1pm.

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

Table 4. Noise monitoring results for May 2020

Sampling point	Day (L _A eq (15 minute))		Evening (L _A eq (15 minute))		Night (L _A eq (15 minute))		Night (L _{A1} (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 May 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





