



Maxwell Infrastructure
Environmental Monitoring Data
July 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	July 2020
Date of Publication	8 September 2020
Version	2
Correction Log	Dates in column 3 and 4 of Table 2 corrected to July.

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 July 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	01/07/2020	31/07/2020	03/08/2020	micrograms per cubic metre	5 minutes	Continuous	0	47	8	10199
9	ES-02	01/07/2020	31/07/2020	03/08/2020	micrograms per cubic metre	5 minutes	Continuous	0	8	6	86
10	ES-03	01/07/2020	31/07/2020	03/08/2020	micrograms per cubic metre	5 minutes	Continuous	0	12	9	141
11	ES-04	01/07/2020	31/07/2020	03/08/2020	micrograms per cubic metre	5 minutes	Continuous	(a)	(a)	(a)	(a)

(a) Notes: During June 2020 ES04 recorded spurious concentrations (whereby the values flatlined for many monitoring periods in succession). The issue was investigated, including a visit by an electrician and calls to the monitoring contractor. The cause was not able to be determined, and hence the unit was removed from site on 30 June and has been returned to the equipment supplier to fix. The equipment supplier advised they were unable to diagnose the issue and hence the unit has been shipped to the equipment manufacturer to fix. An update will be provided in subsequent monitoring reports.

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

Table 4. Noise monitoring results for July 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 July 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





