



Maxwell Infrastructure
Environmental Monitoring Data
August 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	August 2020
Date of Publication	7 September 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 August 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	01/08/2020	31/08/2020	07/09/2020	micrograms per cubic metre	5 minutes	Continuous	0	20	7	3138
9	ES-02	01/08/2020	31/08/2020	07/09/2020	micrograms per cubic metre	5 minutes	Continuous	0	8	6	54
10	ES-03	01/08/2020	31/08/2020	07/09/2020	micrograms per cubic metre	5 minutes	Continuous	0	12	9	63
11	ES-04	01/08/2020	31/08/2020	07/09/2020	micrograms per cubic metre	5 minutes	Continuous	0	7	5	104

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 returned to the equipment supplier to fix. The equipment supplier advised they were unable to diagnose the issue and hence the unit was shipped to the equipment manufacturer in the United States to fix. A spare unit was sent to the equipment supplier for calibration, returned via the monitoring contractor and installed on 27 August.

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

Table 4. Noise monitoring results for August 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 August 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





