



Maxwell Infrastructure
Environmental Monitoring Data
December 2019

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	December 2019
Date of Publication	6 January 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 December 2019

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	01/01/2019	31/12/2019	01/01/2020	micrograms per cubic metre	5 minutes	Continuous	3	62	39	691
9	ES-02	01/01/2019	31/12/2019	01/01/2020	micrograms per cubic metre	5 minutes	Continuous	0	29	15	2142
10	ES-03	01/01/2019	31/12/2019	01/01/2020	micrograms per cubic metre	5 minutes	Continuous	0	41	27	535
11	ES-04	01/01/2019	31/12/2019	01/01/2020	micrograms per cubic metre	5 minutes	Continuous	2	69	43	703

Notes: ES-03 did not record results from 20 December 2019 due to an equipment malfunction which was rectified on 23 December 2019

Table 3. Blast monitoring results for December 2019

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 December 2019.								
6	De Boer									
7	Antiene									

Table 4. Noise monitoring results for December 2019

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 December 2019.
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





