



Maxwell Infrastructure
Environmental Monitoring Data
December 2018

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 are 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 2018
Date of Publication	22 May 2019
Version	2
Original Date of Publication	4 January 2019
Correction Log	Table 2 – Mean, median and maximum values corrected for sampling point ES-02

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 2018

Air Quality Monitoring												
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	Observations
8	ES-01	01/12/2018	31/12/2018	01/01/2019	micrograms per cubic metre	5 minutes	Continuous	1.00	24.54	13.13	1904.00	
9	ES-02	01/12/2018	31/12/2018	01/01/2019	micrograms per cubic metre	5 minutes	Continuous	0.00	32.09	15.89	1070.56	
10	ES-03	01/12/2018	31/12/2018	01/01/2019	micrograms per cubic metre	5 minutes	Continuous	0.00	8.92	7.92	44.92	
11	ES-04	01/12/2018	31/12/2018	01/01/2019	micrograms per cubic metre	5 minutes	Continuous	0.80	20.52	17.22	111.84	

Table 3. Blast monitoring results for December 2018

Blast Monitoring										
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 the month of December 2018.								
6	De Boer									
7	Antiene									

Table 4. Noise monitoring results for December 2018

Noise Monitoring											
Sampling point	Period	Noise Limits LA eq (15 minutes)						Noise Limits LA1 (1 minute)		Exceedance (yes/no)	Observations
		Day Criteria	Noise Level	Evening Criteria	Noise Level	Night Criteria	Noise Level	Night Criteria	Noise Level		
12	15 mins										
13	15 mins										
14	15 mins										
16*	15 mins										
17	15 mins										
18	15 mins										
19	15 mins										
20	15 mins										
21	15 mins										
22	15 mins										
23	15 mins										
25*	15 mins										
26	15 mins										
27	15 mins										
28	15 mins										
29	15 mins										
31	15 mins										
32	15 mins										
33	15 mins										
34	15 mins										
35*	15 mins										
37	15 mins										
42*	15 mins										
61*	15 mins										
69	15 mins										
70	15 mins										

Noise monitoring not required to be undertaken during the month of December 2018.
Noise Monitoring is conducted every 6 months in March and September.

71	15 mins	
72*	15 mins	
75*	15 mins	
76*	15 mins	
86	15 mins	
All Other Privately- Owned Land	15 mins	
Additional Information		
Date of Final Report		
Date Sampled		
Weather Conditions		
Notes		

APPENDIX 1 – Maps of monitoring locations





