



Maxwell Infrastructure
Environmental Monitoring Data
September 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	September 2018
Date of Publication	16 October 2018
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 September 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	01/09/2018	30/09/2018	1/10/2018	micrograms per cubic metre	5 minutes	Continuous	0	17.4	11.0	550	
9	ES-02	01/09/2018	30/09/2018	1/10/2018	micrograms per cubic metre	5 minutes	Continuous	0	9.1	7.8	109	
10	ES-03	01/09/2018	30/09/2018	1/10/2018	micrograms per cubic metre	5 minutes	Continuous	0	12.6	12.3	87	
11	ES-04	01/09/2018	30/09/2018	1/10/2018	micrograms per cubic metre	5 minutes	Continuous	0	17.7	14.9	514	

Table 3. Blast monitoring results for September 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 September 2018.								
6	De Boer									
7	Antiene									

Table 4. Noise monitoring results for September 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	35	IA	35	IA	39	IA	47	IA	No	
13	15 mins	35	IA	35	IA	36	IA	45	IA	No	
14	15 mins	35	IA	35	IA	37	IA	47	IA	No	
16*	15 mins	35	IA	35	IA	38	IA	47	IA	No	
17	15 mins	35	IA	35	IA	38	IA	47	IA	No	
18	15 mins	35	IA	35	IA	40	IA	47	IA	No	
19	15 mins	35	IA	35	IA	41	IA	47	IA	No	
20	15 mins	35	IA	35	IA	41	IA	45	IA	No	
21	15 mins	35	IA	36	IA	41	IA	45	IA	No	
22	15 mins	35	IA	36	IA	42	IA	45	IA	No	
23	15 mins	35	IA	37	IA	40	IA	47	IA	No	
25*	15 mins	35	IA	37	IA	41	IA	47	IA	No	
26	15 mins	36	IA	36	IA	35	IA	47	IA	No	
27	15 mins	36	IA	36	IA	36	IA	47	IA	No	
28	15 mins	36	IA	37	IA	37	IA	47	IA	No	
29	15 mins	36	IA	37	IA	38	IA	47	IA	No	
31	15 mins	36	IA	37	IA	39	IA	47	IA	No	
32	15 mins	36	IA	37	IA	42	IA	47	IA	No	
33	15 mins	37	IA	38	IA	36	IA	45	IA	No	
34	15 mins	38	IA	38	IA	38	IA	45	IA	No	
35*	15 mins	38	IA	38	IA	38	IA	45	IA	No	
37	15 mins	38	IA	39	IA	38	IA	45	IA	No	
42*	15 mins	39	IA	40	IA	39	IA	45	IA	No	
61*	15 mins	39	IA	40	IA	39	IA	45	IA	No	
69	15 mins	40	IA	39	IA	39	IA	47	IA	No	
70	15 mins	40	IA	40	IA	39	IA	47	IA	No	

71	15 mins	41	IA	41	IA	39	IA	47	IA	No	
72*	15 mins	35	IA	35	IA	35	IA	47	IA	No	
75*	15 mins	35	IA	35	IA	35	IA	47	IA	No	
76*	15 mins	35	IA	35	IA	35	IA	47	IA	No	
86	15 mins	35	IA	35	IA	35	IA	45	IA	No	
All Other Privately- Owned Land	15 mins	35	IA	35	IA	35	IA	45	IA	No	
Additional Information											
Date of Final Report	15 October 2018										
Date Sampled	25 September 2018										
Weather Conditions	Light winds										
Notes	IA – Inaudible *Residences where attended noise monitoring is undertaken. The noise levels at all other locations are determined by noise modelling.										

APPENDIX 1 – Maps of monitoring locations





