



Maxwell Infrastructure
Environmental Monitoring Data
March 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 licence and report details is provided in **Table 1**.

Table 1. 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	March 2019
Date of Publication	19 April 2019
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 March 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	Observations
8	ES-01	01/03/2019	31/03/2019	01/04/2019	micrograms per cubic metre	5 minutes	Continuous	0.00	6.79	2.12	1022.11	
9	ES-02	01/03/2019	31/03/2019	01/04/2019	micrograms per cubic metre	5 minutes	Continuous	0.00	15.16	12.55	79.15	
10	ES-03	01/03/2019	31/03/2019	01/04/2019	micrograms per cubic metre	5 minutes	Continuous	0.00	9.80	8.00	161.14	
11	ES-04	01/03/2019	31/03/2019	01/04/2019	micrograms per cubic metre	5 minutes	Continuous	0.80	21.15	17.96	260.82	

Table 3. Blast monitoring results for March 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 March 2019.								
6	De Boer									
7	Antiene									

Table 4. Noise monitoring results for March 2019

Sampling point	Period	Noise Limits LA eq (15 minute)						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	-	35	IA	39	IA	47	IA	No	
13	15 mins	35	-	35	IA	36	IA	45	IA	No	
14	15 mins	35	-	35	IA	37	IA	47	IA	No	
16*	15 mins	35	-	35	IA	38	IA	47	IA	No	
17	15 mins	35	-	35	IA	38	IA	47	IA	No	
18	15 mins	35	-	35	IA	40	IA	47	IA	No	
19	15 mins	35	-	35	IA	41	IA	47	IA	No	
20	15 mins	35	-	35	IA	41	IA	45	IA	No	
21	15 mins	35	-	36	IA	41	IA	45	IA	No	
22	15 mins	35	-	36	IA	42	IA	45	IA	No	
23	15 mins	35	-	37	IA	40	IA	47	IA	No	
25*	15 mins	35	-	37	IA	41	IA	47	IA	No	
26	15 mins	36	-	36	IA	35	IA	47	IA	No	
27	15 mins	36	-	36	IA	36	IA	47	IA	No	
28	15 mins	36	-	37	IA	37	IA	47	IA	No	

29	15 mins	36	-	37	IA	38	IA	47	IA	No	
31	15 mins	36	-	37	IA	39	IA	47	IA	No	
32	15 mins	36	-	37	IA	42	IA	47	IA	No	
33	15 mins	37	-	38	IA	36	IA	45	IA	No	
34	15 mins	38	-	38	IA	38	IA	45	IA	No	
35*	15 mins	38	-	38	IA	38	IA	45	IA	No	
37	15 mins	38	-	39	IA	38	IA	45	IA	No	
42*	15 mins	39	-	40	IA	39	IA	45	IA	No	
61*	15 mins	39	-	40	IA	39	IA	45	IA	No	
69	15 mins	40	-	39	IA	39	IA	47	IA	No	
70	15 mins	40	-	40	IA	39	IA	47	IA	No	
71	15 mins	41	-	41	IA	39	IA	47	IA	No	
72*	15 mins	35	-	35	IA	35	IA	47	IA	No	
75*	15 mins	35	-	35	IA	35	IA	47	IA	No	
76*	15 mins	35	-	35	IA	35	IA	47	IA	No	
86	15 mins	35	-	35	IA	35	IA	45	IA	No	
All Other Privately-Owned Land	15 mins	35	-	35	IA	35	IA	45	IA	No	

Additional Information	
Date of Final Report	16 April 2019
Date Sampled	29 March 2019
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





