



Maxwell Infrastructure  
Environmental Monitoring Data  
September 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**

<b>Environment Protection Licence Number</b>	1323
<b>Licensee Details</b>	Malabar Coal (Drayton Management) Pty Limited PMB 9 Muswellbrook NSW 2333
<b>Premises</b>	Maxwell Infrastructure Thomas Mitchell Drive Muswellbrook NSW 2333
<b>Link to the EPA Register</b>	<a href="http://app.epa.nsw.gov.au/prpoeoapp/">http://app.epa.nsw.gov.au/prpoeoapp/</a>
<b>Reporting Month</b>	September 2019
<b>Date of Publication</b>	30 October 2019
<b>Version</b>	1
<b>Correction Log</b>	

## 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 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	01/09/2019	30/09/2019	01/09/2019	micrograms per cubic metre	5 minutes	Continuous	0	24	11	4938
9	ES-02	01/09/2019	30/09/2019	01/09/2019	micrograms per cubic metre	5 minutes	Continuous	0	11755	810	60304
10	ES-03	01/09/2019	30/09/2019	01/09/2019	micrograms per cubic metre	5 minutes	Continuous	0	8	7	89
11	ES-04	01/09/2019	30/09/2019	01/09/2019	micrograms per cubic metre	5 minutes	Continuous	0	14	11	205

Notes: ES-02 recorded erroneously high results from 21:30 on 8 September 2019 due to an equipment malfunction which was repaired on 4 October 2019.

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

**Table 4. Noise monitoring results for September 2019**

Sampling point	Day (L <sub>A</sub> eq (15 minute))		Evening (L <sub>A</sub> eq (15 minute))		Night (L <sub>A</sub> eq (15 minute))		Night (L <sub>A1</sub> (1 minute))		Exceedance (yes/no)	Observations
	Criteria	Noise Level	Criteria	Noise Level	Criteria	Noise Level	Criteria	Noise Level		
12	35	IA	35	IA	39	IA	47	IA	No	
13	35	IA	35	IA	36	IA	45	IA	No	
14	35	IA	35	IA	37	IA	47	IA	No	
16*	35	IA	35	IA	38	IA	47	IA	No	
17	35	IA	35	IA	38	IA	47	IA	No	
18	35	IA	35	IA	40	IA	47	IA	No	
19	35	IA	35	IA	41	IA	47	IA	No	
20	35	IA	35	IA	41	IA	45	IA	No	
21	35	IA	36	IA	41	IA	45	IA	No	
22	35	IA	36	IA	42	IA	45	IA	No	
23	35	IA	37	IA	40	IA	47	IA	No	
25*	35	IA	37	IA	41	IA	47	IA	No	
26	36	IA	36	IA	35	IA	47	IA	No	
27	36	IA	36	IA	36	IA	47	IA	No	
28	36	IA	37	IA	37	IA	47	IA	No	
29	36	IA	37	IA	38	IA	47	IA	No	
31	36	IA	37	IA	39	IA	47	IA	No	
32	36	IA	37	IA	42	IA	47	IA	No	
33	37	IA	38	IA	36	IA	45	IA	No	
34	38	IA	38	IA	38	IA	45	IA	No	
35*	38	IA	38	IA	38	IA	45	IA	No	
37	38	IA	39	IA	38	IA	45	IA	No	

42*	39	IA	40	IA	39	IA	45	IA	No	
61*	39	IA	40	IA	39	IA	45	IA	No	
69	40	IA	39	IA	39	IA	47	IA	No	
70	40	IA	40	IA	39	IA	47	IA	No	
71	41	IA	41	IA	39	IA	47	IA	No	
72*	35	IA	35	IA	35	IA	47	IA	No	
75*	35	IA	35	IA	35	IA	47	IA	No	
76*	35	IA	35	IA	35	IA	47	IA	No	
86	35	IA	35	IA	35	IA	45	IA	No	
All Other Privately- Owned Land	35	IA	35	IA	35	IA	45	IA	No	
<b>Additional Information</b>										
Date of Final Report	30 October 2019									
Date Sampled	30 September 2019									
Weather Conditions	Wind speed 2.9 – 6.0 m/s. No rain.									
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







