



Maxwell Infrastructure  
Environmental Monitoring Data  
May 2018

## 1. Introduction

Maxwell Infrastructure (formerly Drayton Mine) 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	Drayton Coal Mine Thomas Mitchell Drive Muswellbrook NSW 2333
Link to the EPA Register	<a href="http://app.epa.nsw.gov.au/prpoeoapp/">http://app.epa.nsw.gov.au/prpoeoapp/</a>
Reporting Month	May 2018
Date of Publication	6 June 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 May 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	01/05/2018	31/05/2018	1/06/2018	micrograms per cubic metre	5 minutes	Continuous	0	11.3	9.0	60.9	
9	ES-02	01/05/2018	31/05/2018	1/06/2018	micrograms per cubic metre	5 minutes	Continuous	0	23.5	22.9	79.8	
10	ES-03	01/05/2018	31/05/2018	1/06/2018	micrograms per cubic metre	5 minutes	Continuous	0	13.5	12.8	88.2	
11	ES-04	01/05/2018	31/05/2018	1/06/2018	micrograms per cubic metre	5 minutes	Continuous	0	17.2	15.0	69.3	

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

Table 4. Noise monitoring results for May 2018

Noise Monitoring									
Sampling point	Period	Noise Limits LA eq (15 minutes)				Noise Limits LA1 (1 minute)		Exceedance (yes/no)	Observations
		Evening Criteria	Noise Level	Night Criteria	Noise Level	Night Criteria	Noise Level		
12	15 mins	Noise monitoring not required to be undertaken during the month of May 2018.							
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	
71	15 mins	
72	15 mins	
75	15 mins	
76	15 mins	
86	15 mins	
All Other Privately-Owned Land	15 mins	
Date of Final Report	28 May 2018	
Date Sampled	24/25 May 2018	
Weather Conditions	Calm, Light winds (1.0 to 2.9 m/s)	
Notes	IA - Inaudible	

**APPENDIX 1 – Maps of monitoring locations**









