

# Monthly Environmental Monitoring Report

Yancoal Mount Thorley Warkworth

July 2024

#### CONTENTS

1.0	INTRO	DUCTION4
2.0	AIR QU	JALITY4
2.1	Me	eteorological Monitoring4
2.	1.1	Rainfall4
2.	1.2	Wind Speed and Direction
2.2	De	positional Dust6
2.3	Sus	spended Particulates6
2.	3.1	HVAS PM <sub>10</sub> Results6
2.	3.2	TSP Results
2.	3.3	Real Time PM <sub>10</sub> Results7
2.	3.4	Real Time Alarms for Air Quality7
3.0	WA	ATER QUALITY8
3.1	Sui	rface Water8
3.2	HR	RSTS Discharge
3.3	Gre	oundwater Monitoring8
4.0	BLAST	MONITORING9
4.1	Bla	ast Monitoring Results9
5.0	NOISE .	
5.1	Att	tended Noise Monitoring Results
5.1.1	ı wı	ML Noise Assessment
5.1.2	2 M1	TO Noise Assessment
5.1.3	3 NP	Pfl Low Frequency Assessment
5.2	No	oise Management Measures
6.0	OPERA	TIONAL DOWNTIME17
7.0	REHAB	BILITATION18
8.0	ENVIRO	ONMENTAL INCIDENTS
Append	dix A: N	Neteorological Data20

### **Figures**

Figure 1: Rainfall Trend YTD	4
Figure 2: Charlton Ridge Wind Rose – July 2024	4
Figure 3: Air Quality Monitoring Locations	5
Figure 4: Depositional Dust – July 2024	6
Figure 5: Individual PM10 Results – July 2024	6
Figure 6: Annual Average PM <sub>10</sub> – July 2024	7
Figure 7: Annual Average Total Suspended Particulates – July 2024	7
Figure 8: Real Time PM <sub>10</sub> daily 24hr average (line graphs) and YTD annual average (column graphs) – July 2024	8
Figure 9: Abbey Green Blast Monitoring Results – July 2024	9
Figure 10: Bulga Village Blast Monitoring Results – July 2024	9
Figure 11: MTIE Blast Monitoring Results – July 2024	10
Figure 12: Wollemi Peak Road Blast Monitoring Results – July 2024	10
Figure 13: Wambo Road Blast Monitoring Results – July 2024	10
Figure 14: Warkworth Blast Monitoring Results – July 2024	10
Figure 15: MTW Blast Monitoring Location Plan	11
Figure 16: Noise Monitoring Location Plan	16
Figure 17: Operational Downtime by Equipment Type – July 2024	17
Figure 18: Rehabilitation YTD – July 2024	18
Tables	
Table 1: Monthly Rainfall MTW	4
Table 2: Blasting Limits	9
Table 3: L <sub>Aeq, 15 minute</sub> Warkworth Impact Assessment Criteria – July 2024	12
Table 4: La1, 1 minute Warkworth - Impact Assessment Criteria – July 2024	12
Table 5: L <sub>Aeq, 15minute</sub> Mount Thorley - Impact Assessment Criteria — July 2024	13
Table 6: L <sub>A1, 1Minute</sub> Mount Thorley - Impact Assessment Criteria — July 2024	13
Table 7: Warkworth Low Frequency Noise Assessment – July 2024	14
Table 8: Mount Thorley Operations Low Frequency Noise Assessment – July 2024	15
Table 9: Supplementary Attended Noise Monitoring Data – July 2024	17
Table 10: Complaints Summary YTD	19
Table 11: Meteorological Data – Charlton Ridge Meteorological Station – July 2024	21

#### **Revision History**

Version No.	Version Details	Date
1.0	Final	8/11/2024

#### 1.0 INTRODUCTION

This report has been compiled to provide a monthly summary of environmental monitoring results for Mount Thorley Warkworth (MTW). This report includes all monitoring data collected for the period 1 July to 30 July 2024.

### 2.0 AIR QUALITY

# 2.1 Meteorological Monitoring

Meteorological data is collected at MTW's 'Charlton Ridge' meteorological station (refer to **Figure 3**).

#### 2.1.1 Rainfall

Rainfall for the reporting period is summarised in **Table 1**. The year-to-date monthly rainfall totals, 2024 monthly rainfall totals and historical average monthly rainfall trend are shown in **Figure 1**.

Table 1: Monthly Rainfall MTW

2024	Monthly Rainfall (mm)	Cumulative Rainfall (mm)
July	25.4	418.2

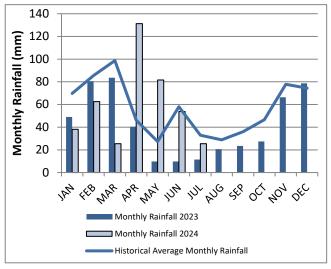


Figure 1: Rainfall Trend YTD

Note: The historical average monthly rainfall is calculated from 2007 to 2023 monthly totals.

#### 2.1.2 Wind Speed and Direction

Winds from the Northwest were dominant during the reporting period as shown in **Figure 2.** 

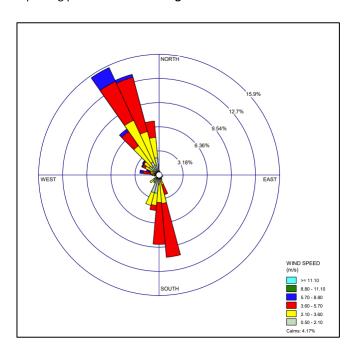
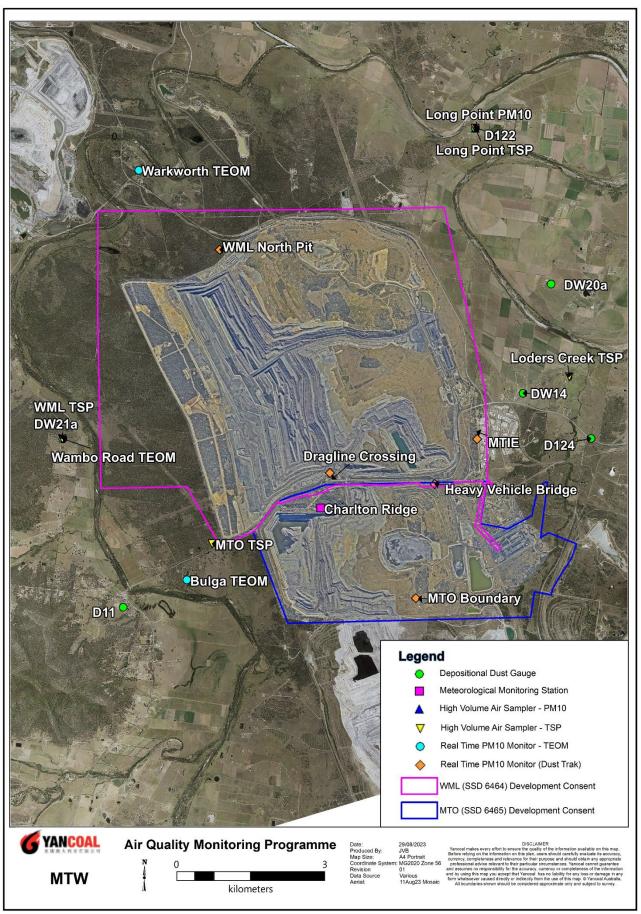


Figure 2: Charlton Ridge Wind Rose - July 2024



**Figure 3: Air Quality Monitoring Locations** 

#### 2.2 Depositional Dust

To monitor air quality, MTW operates and maintains a network of seven depositional dust gauges, situated on private and mine owned land surrounding MTW.

During the reporting period the Warkworth monitor recorded a monthly result above the long-term impact assessment criteria of 4.0 g/m2 per month. There is no evidence to suggest that the result is contaminated. Accordingly, the result will be included in the annual average calculation.

**Figure 4** displays insoluble solids results from depositional dust gauges during the reporting period compared against the year-to-date average and the annual impact assessment criteria.

An annual assessment of MTW's compliance with the Long-Term Impact Assessment Criteria will be provided in the 2024 Annual Review Report.

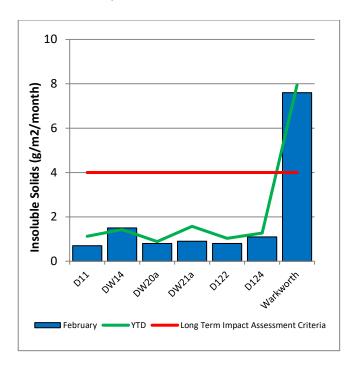


Figure 4: Depositional Dust - July 2024

#### 2.3 Suspended Particulates

Suspended particulates are measured by a network of High Volume Air Samplers (HVAS) measuring Total Suspended Particulates (TSP) and Particulate Matter <10 $\mu$ m (PM<sub>10</sub>). The location of these monitors can be found in **Figure 3**. Each HVAS was run for 24 hours on a six-day cycle in accordance with EPA requirements.

#### 2.3.1 HVAS PM<sub>10</sub> Results

Figure 5 shows the individual  $PM_{10}$  results at each monitoring station against the short-term impact assessment criteria of  $50\mu g/m^3$ .

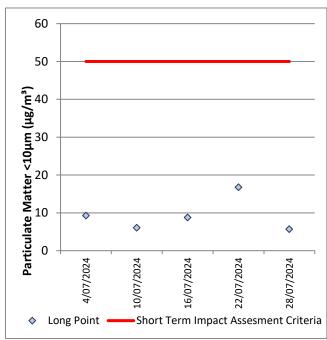


Figure 5: Individual PM10 Results – July 2024

**Figure 6** shows the annual average PM10 result against the long-term impact assessment criteria.

An assessment of MTW's compliance with the Long-Term Impact Assessment Criteria will be provided in the 2024 Annual Review Report.

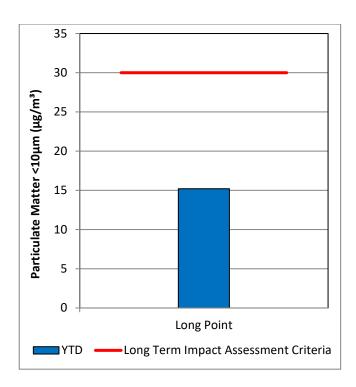


Figure 7: Annual Average PM<sub>10</sub> - July 2024

#### 2.3.2 TSP Results

**Figure 7** shows the annual average TSP results compared against the long-term impact assessment criteria of  $90\mu g/m^3$ .

An assessment of MTW's compliance with the Long-Term Impact Assessment Criteria will be provided in the 2024 Annual Review Report.

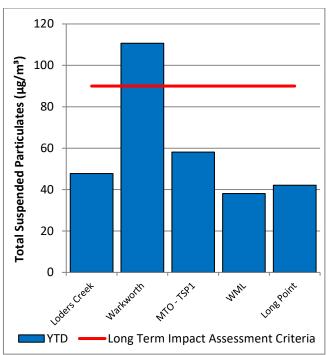


Figure 8: Annual Average Total Suspended Particulates – July 2024

#### 2.3.3 Real Time PM<sub>10</sub> Results

MTW maintains a network of real time  $PM_{10}$  monitors. The real time air quality monitoring stations continuously log information and transmit data to a central database, generating internal alerts when particulate matter levels exceed internal trigger limits.

On 20 July 2024, the Warkworth TEOM (54.4  $\mu g/m^3$ ) exceeded the short term (24hr) criteria. The measurement was assessed for MTW's potential contribution based on meteorological conditions on this day. It was determined that the wind direction was not from MTW's angle of influence and so that MTW was not a contributor to the result. Accordingly, no further action is required (as per approved Air Quality Monitoring Programme).

#### 2.3.4 Real Time Alarms for Air Quality

During July, the real time monitoring system generated 89 automated air quality related alerts, including 17 alerts for adverse meteorological conditions and 72 alerts for elevated  $PM_{10}$  levels.

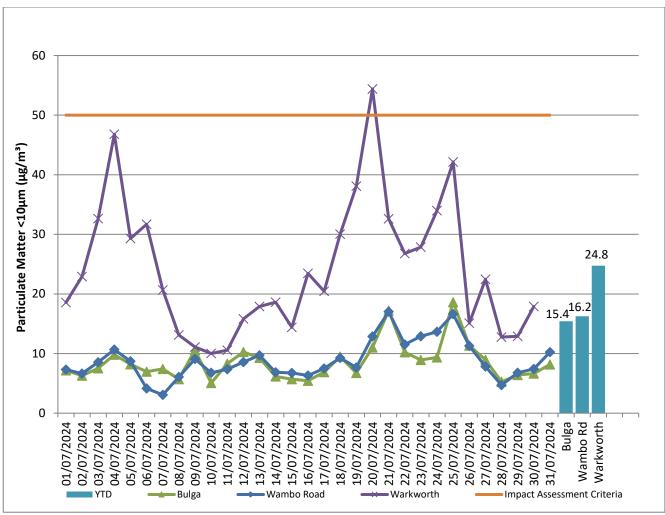


Figure 9: Real Time PM<sub>10</sub> daily 24hr average (line graphs) and YTD annual average (column graphs) – July 2024

#### 3.0 WATER QUALITY

MTW maintains a network of surface water and groundwater monitoring sites.

#### 3.1 Surface Water

Monitoring is conducted at mine site dams and surrounding natural watercourses.

Surface water courses are sampled on a monthly or quarterly sampling regime. Water quality is evaluated through the parameters of pH, Electrical Conductivity (EC) and Total Suspended Solids (TSS). The Hunter River and the Wollombi Brook are sampled both upstream and downstream of mining operations, to record background water quality and to monitor the potential impact of mining on the river system. Other Hunter River tributaries are also monitored.

Results of monitoring are reported quarterly, next available in the September 2024 report.

## 3.2 HRSTS Discharge

MTW participates in the Hunter River Salinity Trading Scheme (HRSTS), allowing discharge from licensed discharge points located at Dam 1N and Dam 9S. Discharges can only take place subject to HRSTS regulations.

MTW did not undertake any HRSTS discharges in the reporting period.

#### 3.3 Groundwater Monitoring

Groundwater monitoring is undertaken on a quarterly basis in accordance with the MTW Groundwater Monitoring Programme.

Groundwater results are reported quarterly, next available in the September 2024 report.

#### 4.0 BLAST MONITORING

MTW have a network of six blast monitoring units. These are located at nearby privately owned residences and function as regulatory compliance monitors.

The location of these monitors can be found in Figure 15.

### 4.1 Blast Monitoring Results

During July 2024, 22 blasts were initiated at MTW. Figure 9 to Figure 14 show the blast monitoring results for the reporting period against the impact assessment criteria. The criteria are summarised in Table 2.

**Table 2: Blasting Limits** 

Airblast Overpressure (dB(L))	Comments
115	5% of the total number of blasts in a 12 month period at WML or MTO
120	0%
Ground Vibration (mm/s)	Comments
Ground Vibration (mm/s) 5	Comments  5% of the total number of blasts in a 12 month period at WML or MTO

During the reporting period no blast exceeded the 115dB(L) threshold for airblast overpressure or the 5 mm/s criteria for ground vibration.

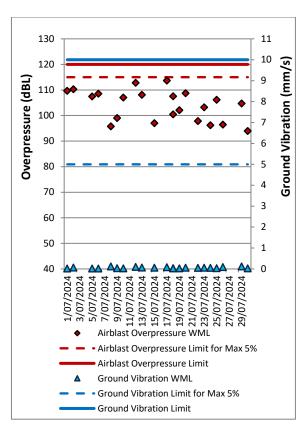


Figure 10: Abbey Green Blast Monitoring Results – July 2024

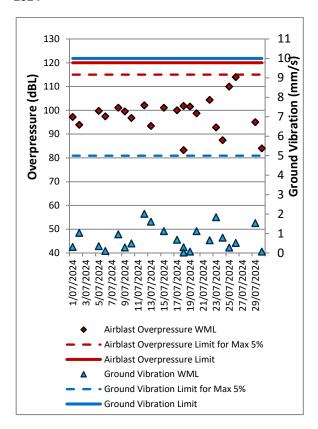


Figure 11: Bulga Village Blast Monitoring Results – July 2024

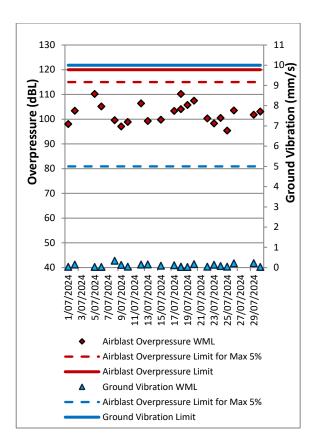


Figure 12: MTIE Blast Monitoring Results - July 2024

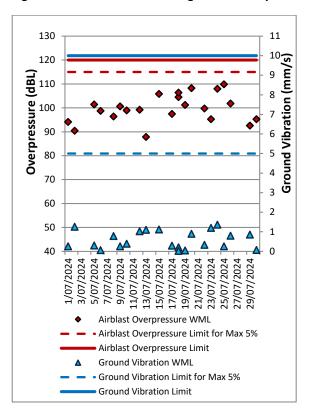


Figure 13: Wollemi Peak Road Blast Monitoring Results – July 2024

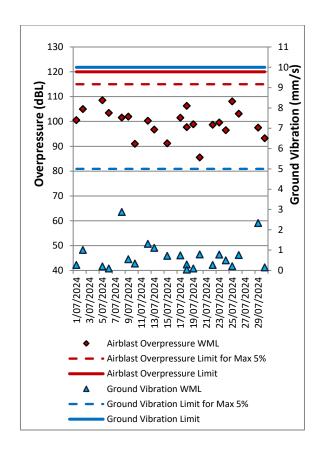


Figure 14: Wambo Road Blast Monitoring Results – July 2024

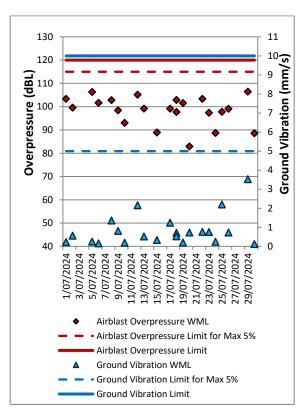


Figure 15: Warkworth Blast Monitoring Results – July 2024

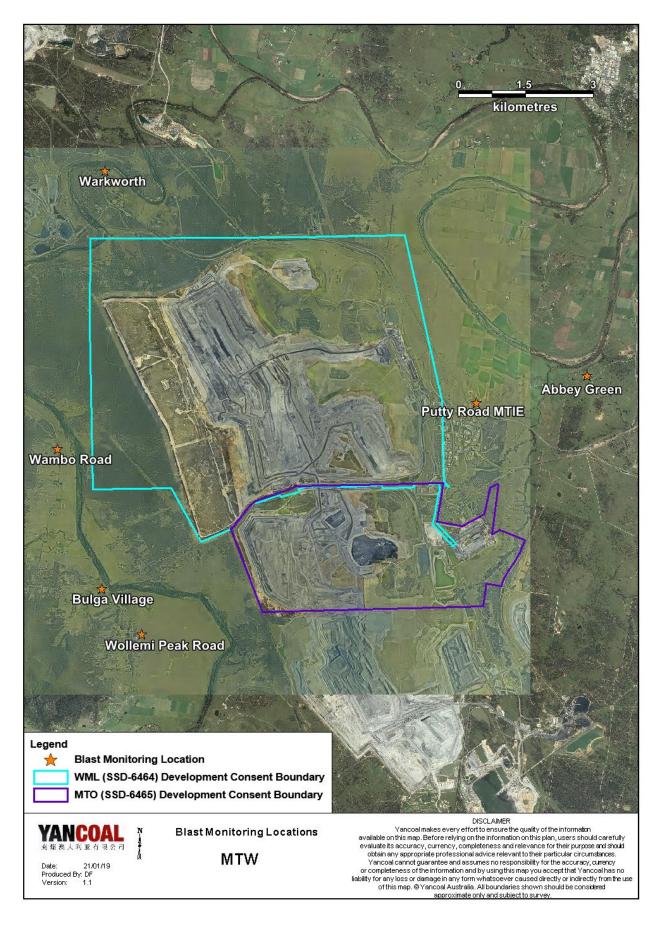


Figure 16: MTW Blast Monitoring Location Plan

#### 5.0 **NOISE**

Routine attended noise monitoring is carried out in accordance with the MTW Noise Management Plan. A review against EIS predictions will be reported in the Annual Review. The purpose of the noise surveys is to quantify and describe the acoustic environment around the site and compare results with specified limits. Real time noise monitoring also occurs at five sites surrounding MTW. Noise monitoring locations are displayed in Figure 16.

#### 5.1 **Attended Noise Monitoring Results**

Attended monitoring was conducted at receiver locations surrounding MTW on the night of 9 July 2024. All measurements complied with the relevant criteria. Results are detailed in Table 5 to Table 8.

#### 5.1.1 WML Noise Assessment

Compliance assessments undertaken against the WML noise criteria are presented in Tables 3 and 4.

Table 3: LAeq, 15 minute Warkworth Impact Assessment Criteria – July 2024

Location	Date and Time	Wind Speed (m/s)	Stability Class	Criterion dB(A)	Criterion Applies? <sup>1</sup>	WML L <sub>Aeq</sub> dB <sup>2,3</sup>	Exceedance <sup>3,4</sup>
Bulga RFS	9/07/2024 23:13	2	E	37	Yes	IA	Nil
Bulga Village	9/07/2024 22:24	1.3	F	38	Yes	<20	Nil
Gouldsville	9/07/2024 21:24	1.3	F	38	Yes	33	Nil
Inlet Road	9/07/2024 21:29	1.3	F	37	Yes	IA	Nil
Inlet Road West	9/07/2024 21:00	2.2	F	35	No	IA	Nil
Long Point	9/07/2024 21:00	2.2	F	35	No	<20	Nil
South Bulga	10/07/2024 0:11	3.2	D	35	Yes	IA	Nil
Wambo Road	9/07/2024 21:57	1.8	E	38	Yes	<25	Nil

Table 4: LA1, 1 minute Warkworth - Impact Assessment Criteria - July 2024

Date and Time	Wind Speed (m/s)	Stability Class	Criterion dB(A)	Criterion Applies? <sup>1</sup>	WML L <sub>A1, 1min</sub> dB <sup>2,3</sup>	Exceedance <sup>3,4</sup>
9/07/2024 23:13	2	Е	47	Yes	IA	Nil
9/07/2024 22:24	1.3	F	48	Yes	<20	Nil
9/07/2024 21:24	1.3	F	48	Yes	42	Nil
9/07/2024 21:29	1.3	F	47	Yes	IA	Nil
9/07/2024 21:00	2.2	F	45	No	IA	Nil
9/07/2024 21:00	2.2	F	45	No	<20	Nil
10/07/2024 0:11	3.2	D	45	No	IA	Nil
9/07/2024 21:57	1.8	E	48	Yes	<25	Nil
	9/07/2024 23:13 9/07/2024 22:24 9/07/2024 21:24 9/07/2024 21:29 9/07/2024 21:00 9/07/2024 21:00 10/07/2024 0:11	9/07/2024 23:13 2 9/07/2024 22:24 1.3 9/07/2024 21:24 1.3 9/07/2024 21:29 1.3 9/07/2024 21:00 2.2 9/07/2024 21:00 2.2 10/07/2024 0:11 3.2	Date and Time         (m/s)         Class           9/07/2024 23:13         2         E           9/07/2024 22:24         1.3         F           9/07/2024 21:24         1.3         F           9/07/2024 21:29         1.3         F           9/07/2024 21:00         2.2         F           9/07/2024 21:00         2.2         F           10/07/2024 0:11         3.2         D	Date and Time         (m/s)         Class         dB(A)           9/07/2024 23:13         2         E         47           9/07/2024 22:24         1.3         F         48           9/07/2024 21:24         1.3         F         48           9/07/2024 21:29         1.3         F         47           9/07/2024 21:00         2.2         F         45           9/07/2024 21:00         2.2         F         45           10/07/2024 0:11         3.2         D         45	Date and Time         (m/s)         Class         dB(A)         Applies?¹           9/07/2024 23:13         2         E         47         Yes           9/07/2024 22:24         1.3         F         48         Yes           9/07/2024 21:24         1.3         F         48         Yes           9/07/2024 21:29         1.3         F         47         Yes           9/07/2024 21:00         2.2         F         45         No           9/07/2024 21:00         2.2         F         45         No           10/07/2024 0:11         3.2         D         45         No	Date and Time         (m/s)         Class         dB(A)         Applies?¹         dB²₃³           9/07/2024 23:13         2         E         47         Yes         IA           9/07/2024 22:24         1.3         F         48         Yes         <20

<sup>1.</sup> Noise criteria apply during all meteorological conditions except the following; wind speeds greater than 3 m/s measured at 10 metres above ground level; stability category F temperature inversion conditions and wind speeds greater than 2m/s at 10m above ground level; or stability category G temperature inversion conditions. Criterion may or may not apply due to rounding of meteorological data values;

2. Site-only LAeq, 15minute attributed to WML, including modifying factors if applicable;

<sup>3.</sup> Bold results in red indicate exceedance of relevant criterion; and
4. NA in exceedance column means atmospheric conditions outside conditions specified in consent, therefore criterion was not applicable.

<sup>5.</sup> Follow up measurement within one week of measured exceedance.

<sup>1.</sup> Noise criteria apply during all meteorological conditions except the following; wind speeds greater than 3 m/s measured at 10 metres above ground level; stability category F temperature inversion conditions and wind speeds greater than 2m/s at 10m above ground level; or stability category G temperature inversion conditions. Criterion may or may not apply due to rounding of meteorological data values;

<sup>2.</sup> Site-only LA1.1minute attributed to WML:

<sup>3.</sup> Bold results in red indicate exceedance of relevant criterion; and

<sup>4.</sup> NA in exceedance column means atmospheric conditions outside conditions specified in consent, therefore criterion was not applicable.

<sup>5.</sup> Follow up measurement within one week of measured exceedance.

#### 5.1.2 MTO Noise Assessment

Compliance assessments undertaken against the MTO noise criteria are presented in Table 5 and 6.

Table 5: LAeq, 15minute Mount Thorley - Impact Assessment Criteria - July 2024

Location	Date and Time	Wind Speed (m/s)	Stability Class	Criterion dB	Criterion Applies? <sup>1</sup>	MTO L <sub>Aeq</sub> dB <sup>2,3</sup>	Exceedance <sup>3,4</sup>
Bulga RFS	9/07/2024 23:13	2.0	Е	37	Yes	IA	Nil
Bulga Village	9/07/2024 22:24	1.3	F	38	Yes	IA	Nil
Gouldsville	9/07/2024 21:24	1.3	E	35	Yes	<30	Nil
Inlet Road	9/07/2024 21:29	1.3	F	37	Yes	IA	Nil
Inlet Road West	9/07/2024 21:00	2.2	F	35	No	IA	Nil
Long Point	9/07/2024 21:00	2.2	F	35	No	<20	Nil
South Bulga	10/07/2024 0:11	3.2	D	36	No	<25	Nil
Wambo Road	9/07/2024 21:57	1.8	E	38	Yes	IA	Nil

Table 6: LA1, 1Minute Mount Thorley - Impact Assessment Criteria - July 2024

Location	Date and Time	Wind Speed (m/s)	Stability Class	Criterion dB	Criterion Applies? <sup>1</sup>	MTO L <sub>A1, 1min</sub> dB <sup>2,3</sup>	Exceedance <sup>3,4</sup>
Bulga RFS	9/07/2024 23:13	2.0	E	47	Yes	IA	Nil
Bulga Village	9/07/2024 22:24	1.3	F	48	Yes	IA	Nil
Gouldsville	9/07/2024 21:24	1.3	F	45	Yes	<30	Nil
Inlet Road	9/07/2024 21:29	1.3	F	47	Yes	IA	Nil
Inlet Road West	9/07/2024 21:00	2.2	F	45	No	IA	Nil
Long Point	9/07/2024 21:00	2.2	F	45	No	<20	Nil
South Bulga	10/07/2024 0:11	3.2	D	46	No	30	Nil
Wambo Road	9/07/2024 21:57	1.8	E	48	Yes	IA	Nil

#### Notes:

<sup>1.</sup> Noise criteria apply during all meteorological conditions except the following: wind speeds greater than 3 m/s measured at 10 metres above ground level; stability category F temperature inversion conditions and wind speeds areater than 2m/s at 10m above ground level; or stability category G temperature inversion conditions. Criterion may or may not apply due to rounding of meteorological data values;

Special greater into a constraint of the constra

<sup>5.</sup> Follow up measurement within one week of measured exceedance

<sup>1.</sup> Noise criteria apply during all meteorological conditions except the following: wind speeds greater than 3 m/s measured at 10 metres above ground level; stability category F temperature inversion conditions and wind speeds greater than 2m/s at 10m above ground level; or stability category G temperature inversion conditions. Criterion may or may not apply due to rounding of meteorological data values;
2. Site-only LA1,1minute attributed to MTO;
3. Bold results in red indicate exceedance of relevant criterion; and

<sup>4.</sup> NA in exceedance column means atmospheric conditions outside conditions specified in consent, therefore criterion was not applicable. 5. Follow up measurement within one week of measured exceedance.

# **5.1.3 NPfI Low Frequency Assessment**

In accordance with the requirements of the EPA's Noise Policy for Industry (NPfI), the applicability of the low frequency modification factor corrections has been assessed. There were no noise measurements taken during the reporting period which required the penalty to be applied. The WML assessment for low frequency noise is shown in **Table 7** and the MTO assessment for low frequency noise is shown in **Table 8**.

Table 7: Warkworth Low Frequency Noise Assessment – July 2024

Location	Date and Time	Measured WML LAeq dB	Criterion Applies?	Intermittency Modifying Factor?	Tonality Modifying Factor?	Frequency of Tonality <sup>1</sup>	Low-frequency Modifying Factor?	Maximum Exceedance of Reference Spectrum <sup>1,2</sup>	Penalty dB <sup>2</sup>
Bulga RFS	9/07/2024 23:13	IA	Yes	No	No	N/A	No	N/A	Nil
Bulga Village	9/07/2024 22:24	<20	Yes	No	No	N/A	No	N/A	Nil
Gouldsville	9/07/2024 21:24	33	Yes	No	No	N/A	No	N/A	Nil
Inlet Road	9/07/2024 21:29	IA	Yes	No	No	N/A	No	N/A	Nil
Inlet Road West	9/07/2024 21:00	IA	No	No	No	N/A	No	N/A	Nil
Long Point	9/07/2024 21:00	<20	No	No	No	N/A	No	N/A	Nil
South Bulga	10/07/2024 0:11	IA	No	No	No	N/A	No	N/A	Nil
Wambo Road	9/07/2024 21:57	<25	Yes	No	No	N/A	No	N/A	Nil

#### Notes:

<sup>1.</sup> NA denotes 'not applicable'; and

<sup>2.</sup> Bold results indicate that application of NPfI modifying factor/s is required.

<sup>3.</sup> Follow up measurement within one week of measured exceedance.

Table 8: Mount Thorley Operations Low Frequency Noise Assessment – July 2024

Location	Date and Time	Measured MTO LAeq dB	Criterion Applies?	Intermittency Modifying Factor?	Tonality Modifying Factor?	Frequency of Tonality <sup>1</sup>	Low-frequency Modifying Factor?	Maximum Exceedance of Reference Spectrum <sup>1,2</sup>	Penalty dB <sup>2</sup>
Bulga RFS	9/07/2024 23:13	IA	Yes	No	No	N/A	No	N/A	Nil
Bulga Village	9/07/2024 22:24	IA	Yes	No	No	N/A	No	N/A	Nil
Gouldsville	9/07/2024 21:24	<30	Yes	No	No	N/A	No	N/A	Nil
Inlet Road	9/07/2024 21:29	IA	Yes	No	No	N/A	No	N/A	Nil
Inlet Road West	9/07/2024 21:00	IA	No	No	No	N/A	No	N/A	Nil
Long Point	9/07/2024 21:00	<20	No	No	No	N/A	No	N/A	Nil
South Bulga	10/07/2024 0:11	<25	No	No	No	N/A	No	N/A	Nil
Wambo Road	9/07/2024 21:57	IA	Yes	No	No	N/A	No	N/A	Nil

#### Notes:

<sup>1.</sup> NA denotes 'not applicable'; and

Bold results indicate that application of NPfI modifying factor/s is required.
 Follow up measurement within one week of measured exceedance.

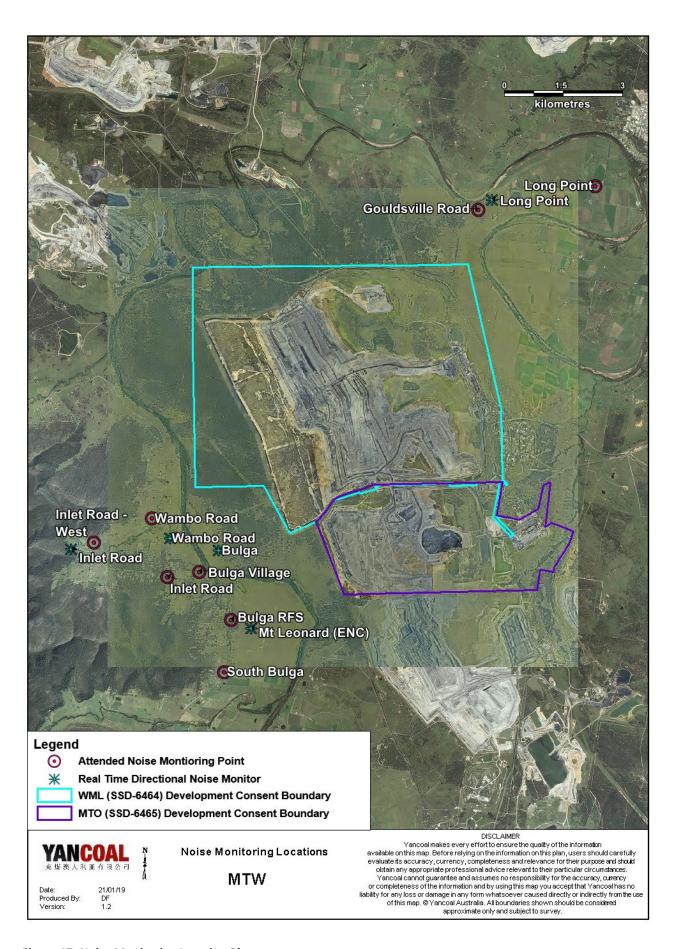


Figure 17: Noise Monitoring Location Plan

#### 5.2 Noise Management Measures

A program of targeted supplementary attended noise monitoring is in place at MTW, supported by the real-time directional monitoring network and ensuring the highest level of noise management is maintained. The supplementary program is undertaken by MTW personnel and involves:

- Routine inspections from both inside and outside the mine boundary;
- Routine and as-required handheld noise assessments (undertaken in response to noise alarm and/or community complaint), comparing measured levels against consent noise limits; and
- Validation monitoring following operational modifications to assess the adequacy of the modifications.

Where a noise assessment identifies noise emissions which are exceeding the relevant noise limit(s) for any particular residence, modifications will be made to ensure that the noise event is resolved within 75 minutes of identification. The actions taken are commensurate with the nature and severity of the noise event, but can include:

- Changing the haul route to a less noise sensitive haul:
- Changing dump locations (in-pit or less exposed dump option);
- · Reducing equipment numbers;
- Shut down of task; or
- Site shut down.

A summary of these assessments undertaken during July are provided in **Table 9**.

Table 9: Supplementary Attended Noise Monitoring Data – July 2024

No. of	No. of	No. of nights	%
assessments	assessments >	where	greater
	trigger	assessments	than
		> trigger	trigger

#### 6.0 OPERATIONAL DOWNTIME

During July, a total of 442.1 hours of equipment downtime was logged in response to environmental events such as dust, noise and adverse meteorological conditions. Operational downtime by equipment type is shown in **Figure 17**.

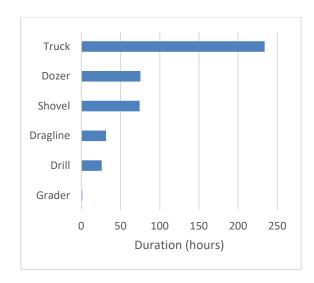


Figure 18: Operational Downtime by Equipment Type – July 2024

### 7.0 REHABILITATION

During July 2024, 2.1 Ha of land was released, 8.0 Ha was bulk shaped, 2.3 Ha was composted, 6.4 Ha was topsoiled and 7.4 Ha was rehabilitated

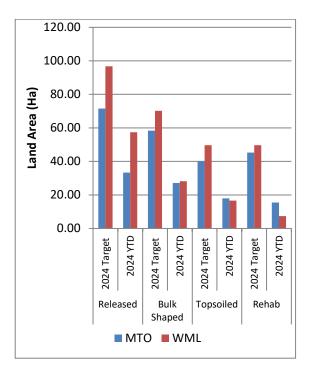


Figure 19: Rehabilitation YTD - July 2024

#### 8.0 ENVIRONMENTAL INCIDENTS

There were no reportable environmental incidents during the reporting period.

# 9.0 COMPLAINTS

six complaints were received during the reporting period. Details of these complaints are shown in **Table 10**.

**Table 10: Complaints Summary YTD** 

	Noise	Dust	Blast	Lighting	Other	Total
January	1	3	5	2	0	11
February	3	4	1	0	0	8
March	3	1	2	0	0 0	
April	7	2	1	5	0	15
May	8	1	5	0	2	16
June	2	1	3	0 0		6
July	1	2	2	1	0	6
August						
September						
October						
November						
December						
Total	25	14	19	8	2	68

Appendix A: Meteorological Data

Table 11: Meteorological Data – Charlton Ridge Meteorological Station – July 2024

	Air Temperature		Relative Humidity		Wind Direction	Wind Speed	Rainfall
Date	Maximum (°C)	Minimum (°C)	Maximum (%)	Minimum (%)	Average (°)	Average (m/sec)	total (mm)
1/07/2024	16	7	100	58	176	2.8	1.8
2/07/2024	14	7	99	75	171	3.9	1.0
3/07/2024	15	8	97	59	171	4.2	0.0
4/07/2024	17	8	98	52	170	4.1	0.0
5/07/2024	15	7	99	65	172	3.8	0.2
6/07/2024	16	8	100	51	163	3.4	1.0
7/07/2024	17	6	100	63	188	2.0	0.6
8/07/2024	15	10	100	78	148	0.8	1.0
9/07/2024	18	8	100	59	204	1.4	4.6
10/07/2024	17	4	100	55	292	2.7	0.0
11/07/2024	16	4	100	56	236	1.6	0.0
12/07/2024	17	5	100	53	247	1.6	0.2
13/07/2024	18	7	93	45	289	2.0	0.0
14/07/2024	16	4	95	46	296	3.5	0.0
15/07/2024	15	4	92	38	293	4.0	0.0
16/07/2024	11	6	82	59	299	5.3	0.0
17/07/2024	17	7	87	51	298	4.1	0.0
18/07/2024	17	6	92	47	299	3.6	0.0
19/07/2024	15	3	81	42	294	4.1	0.0
20/07/2024	17	8	79	33	288	5.3	0.0
21/07/2024	18	5	77	29	290	3.8	0.0
22/07/2024	18	2	97	46	274	2.2	0.0
23/07/2024	19	3	100	42	263	2.2	0.0
24/07/2024	19	3	100	37	281	2.1	0.0
25/07/2024	22	5	95	46	243	2.3	0.0
26/07/2024	20	8	100	52	231	2.1	3.4
27/07/2024	14	7	100	92	239	1.7	11.4
28/07/2024	15	5	100	31	293	3.6	0.2
29/07/2024	15	3	86	35	248	2.8	0.0
30/07/2024	15	3	82	49	188	2.6	0.0
31/07/2024	17	4	86	44	187	2.3	0.0