



Mount Thorley Warkworth (MTW)

Community Consultative
Committee (CCC)

Wednesday 27 May 2020

Time:

2pm – 3:30pm

Location:

Teleconference

Independent Chairperson:

Col Gellatly

Minutes:

Sarah Purser

Reaching new horizons together



Agenda

1. Welcome (Col)
2. Apologies (Col)
3. Declaration of pecuniary interests / conflicts of interest (Col)
4. Business Arising (Col)
5. Correspondence (Col)
6. Confirmation of the previous meeting's minutes (Col)
7. Proponent reports and overview of activities
 - Progress of the project, environmental monitoring and performance, community complaints
8. Other agenda items
9. General business
10. Next meeting

1. Welcome



Warkworth Mining Limited EMERGENCY EVACUATION PROCEDURES

ACTION TO BE TAKEN ON DISCOVERING A FIRE OR OTHER EMERGENCY

1. ALERT PERSONS NEARBY OF THE SITUATION.
2. EXTINGUISH THE FIRE IF ABLE TO DO SO WITH SAFETY
3. IF NOT ABLE TO PERFORM 2) NOTIFY RECEPTION OF THE EMERGENCY
3. FOLLOW THE EVACUATION PROCEDURES.

ACTION TO BE TAKEN TO EVACUATE THE BUILDING.

1. FOLLOW INSTRUCTIONS OF THE WARDENS.
2. CLOSE YOUR OFFICE DOOR AND TAKE THIS SIGN WITH YOU.
3. WALK TO THE NEAREST EXIT - DO NOT RUN.
4. PROCEED TO THE EMERGENCY MUSTER POINT ABOVE THE FIRE DAM
4. DO NOT RETURN TO WORK AREA FOR ANY REASON.

1. Welcome

MTW Community Consultative Committee – Current Membership from 23 March 2020 – including new members

Name	CCC Representative Type
Dr Colin Gellatly	Independent Chairperson
Cr Hollee Jenkins	Singleton Council
Stewart Mitchell	Community
Adrian Gallagher	Community
Ian Hedley	Community (DPIE endorsed 23/3/20)
Antoinette Silk	Community (DPIE endorsed 23/3/20)
Barb Brown	Community (DPIE endorsed 23/3/20)
John Lamb	Community (DPIE endorsed 23/3/20)
Neville Hodkinson	Stakeholder - Singleton Shire Healthy Environment Group (DPIE endorsed 23/3/20)
Graeme O'Brien	Alternate (DPIE endorsed 23/3/20)
Denis Maizey	Alternate (DPIE endorsed 23/3/20)

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3. Declaration of pecuniary interests / conflicts of interest

All members must declare interests.

These declarations should include any pecuniary or other interest (including any payment, gift or benefit) intended or likely to influence - or that could be reasonably perceived by an impartial observer as intended or likely to influence - the member to:

- act in a particular way (including making a particular decision)
- fail to act in a particular circumstance
- otherwise deviate from the proper exercise of their duty as a member.

Examples of pecuniary or other interests include holding shares in an entity carrying out the project, holding a private contract with the proponent, holding voluntary acquisition or mitigation rights under the proponent's consent, or receiving sitting fees or payments of personal expenses from the proponent; and if the member represents a stakeholder group, if the stakeholder group has received funding or a grant from the proponent.

Source: Community consultative committees Guidelines (State Significant Projects), January 2019.

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4. Business Arising

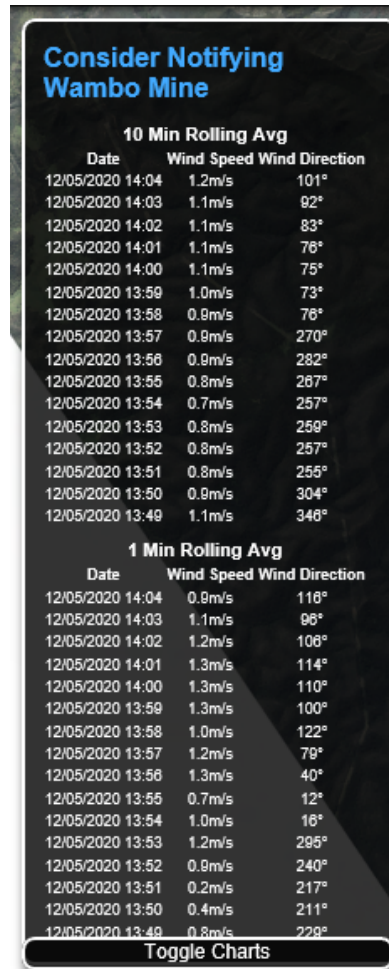
Action No.	Action	Response/ Update
1	MTW to provide the CCC with a summary of outcomes from the review of their Blasting Permissions that is being conducted by an Air Quality and Dust Dispersion Expert engaged by the company.	Update this meeting
2	MTW to review their Blast Monitoring data to see if there have been any definitive changes in results for a period of 2 years.	Update this meeting

Business Arising

Action 1 - Response

Todoroski Air Sciences (TAS) were engaged to conduct an assessment of blast permissions at MTW and to generate revised blast permission matrices for each of the mine's pits, using CALPUFF modelling that considers air dispersion in three dimensions.

The aim of this work is to minimise off-site impacts of blast dust and fume emissions and included a case study of the dust blast event on 7 August 2019.



Business Arising

ACTION 1 - continued

A draft report has recently been received and is under review. An analysis of current blasting permissions (undertaken by TAS) showed that they have made improvements (i.e. reduced) the maximum predicted emission levels due to blasts, based on modelled data. The comparison of the revised to the current permissions matrices/pages has not yet been made though. The consultant is currently undertaking this assessment to be included in a revised report, upon request and this will assist MTW in determining whether the revised permissions matrices should be adopted.

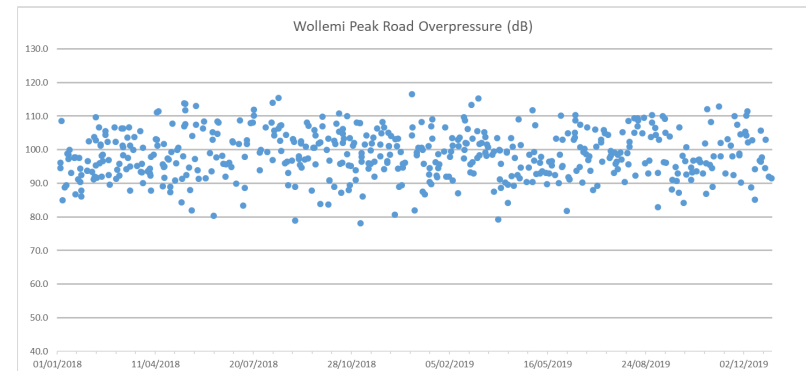
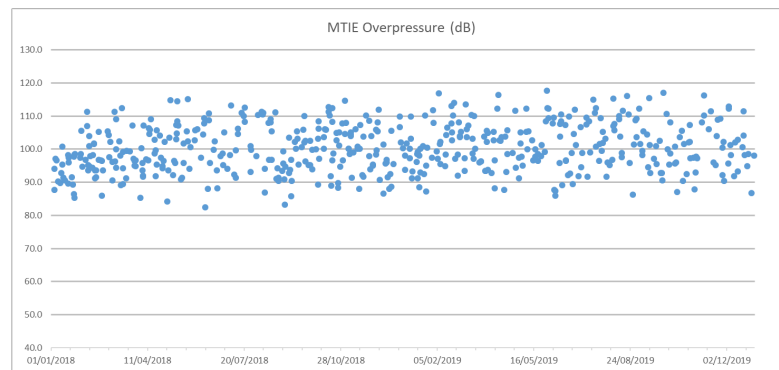
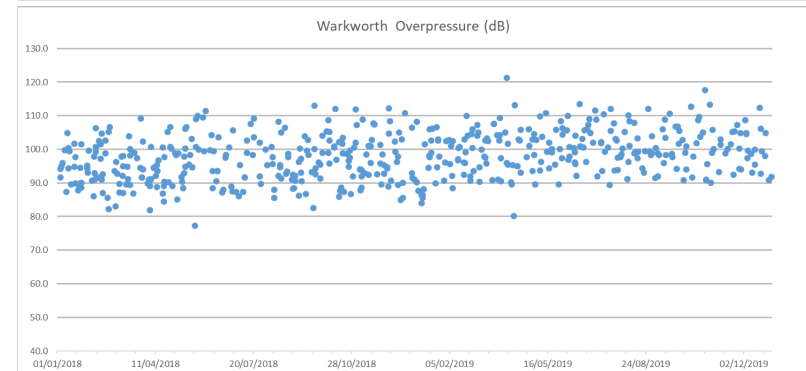
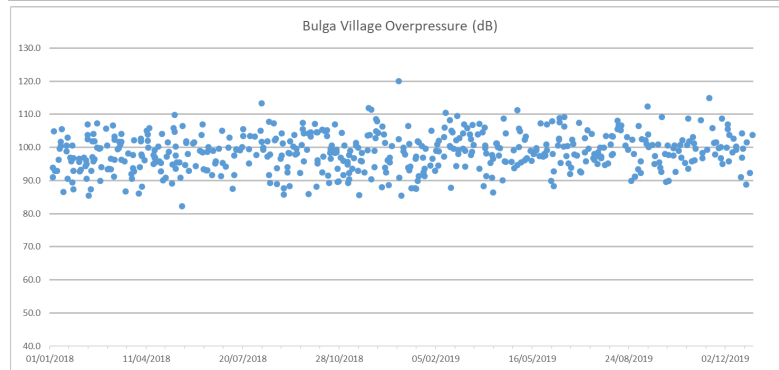
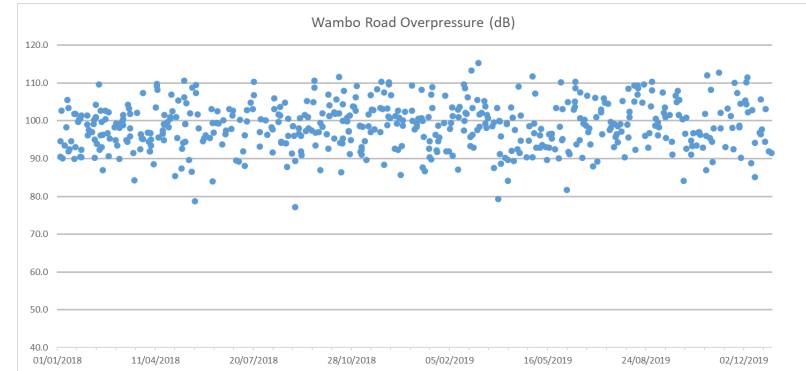
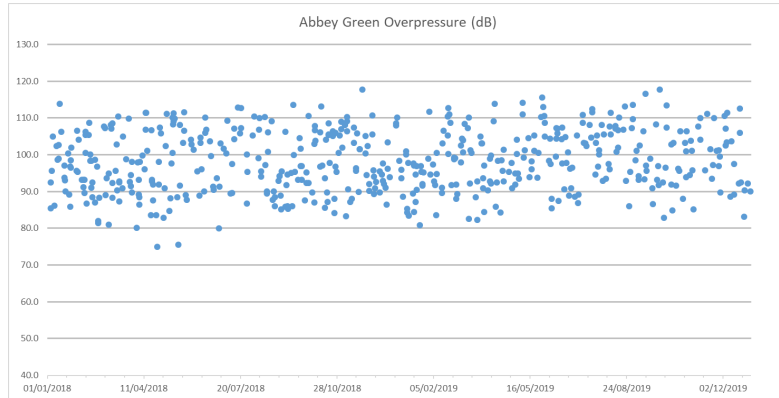
A case study surrounding a high dust blast on 7 August 2019 at 1:50 PM at MTW was developed to support the dust blast risk matrix developed by TAS. The modelled visible dust plume results are similar in scale and extent to the video images of the actual visible plume and monitoring results, which indicates the scale of emissions and limit for identifying visible dust is suitable for use in the dust matrix prepared.

An extract from the reports conclusion, was that to best manage the operational risk of blast fume, dust and odour impacts, it is recommended that a predictive forecasting system be (established and) used in conjunction with the blast matrices as part of the normal operational procedures. MTW uses EnvMet, which is a predictive tool which models blast plume extent and direction and separately also predicts overpressure amplification and this tool is used in conjunction with the blast permissions pages at MTW.

We will trial the revised permissions matrices to determine if they are applicable for use at MTW, before updating the current permissions pages.

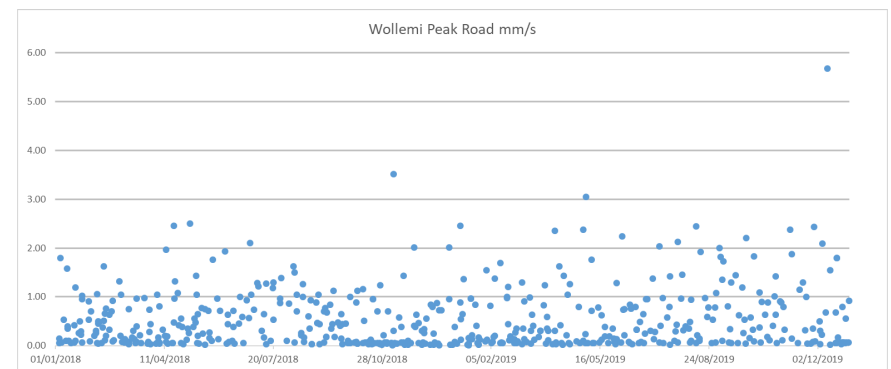
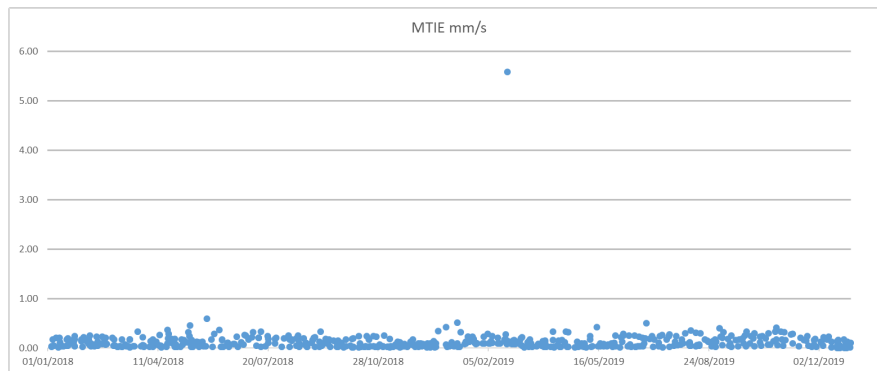
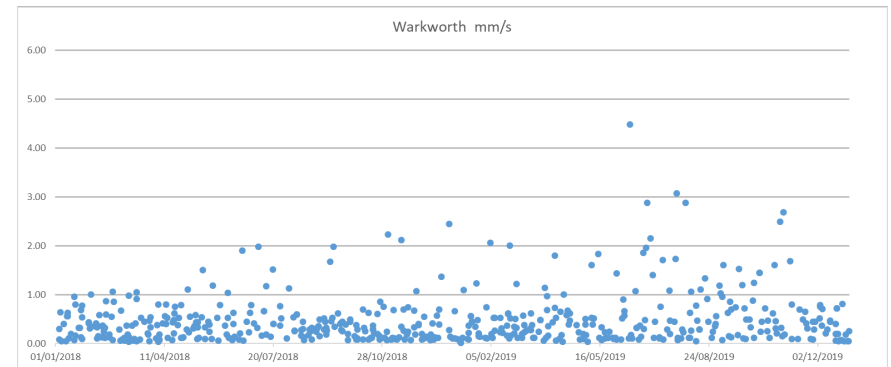
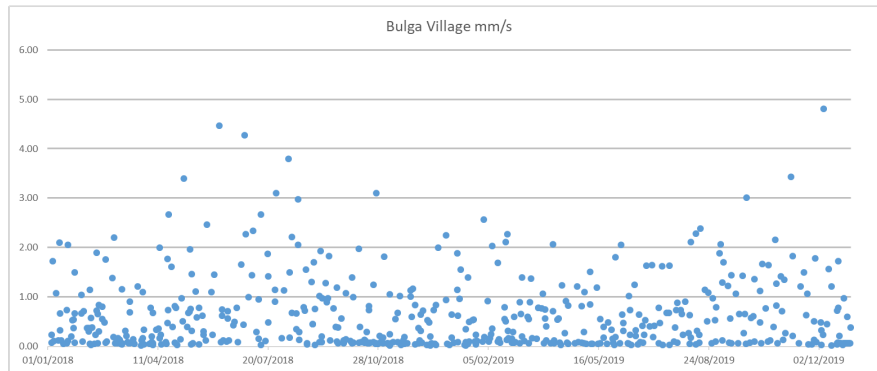
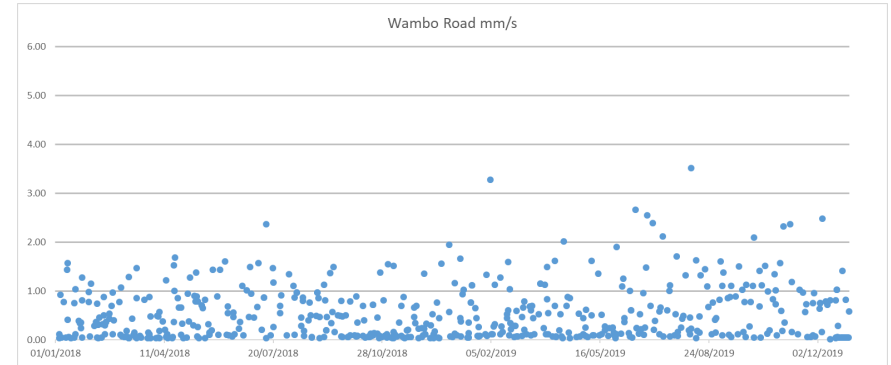
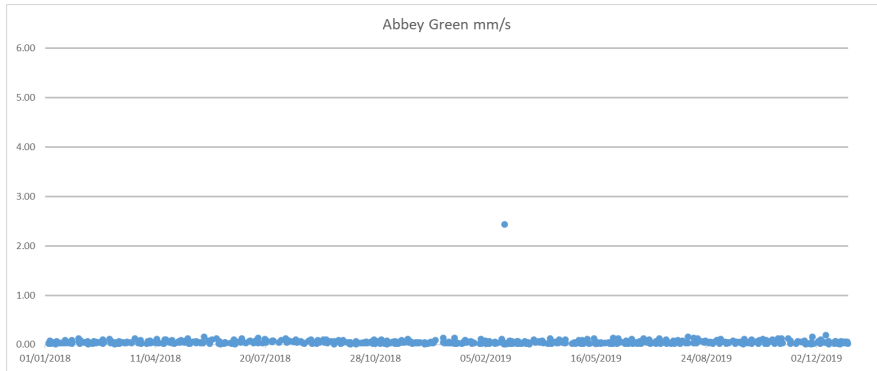
Business Arising

Action 2 – 2 years data from all blast monitors 2018 – 2019 - Overpressure



Business Arising

Action 2 – 2 years data from all blast monitors 2018 – 2019 - Vibration



4. Business Arising

Action No.	Action	Response / Update
3	Olivia to provide the location, via a road number, where the new TEOM has been installed on Wambo Road to the CCC via email.	Response provided via email 25/3/20. 367 Wambo Road. 
4	Olivia to confirm equipment downtime hours for YTD 2019 that had been in response to dust and distribute the MEMR Report for December 2019 via email to the CCC	Response provided via email 25/3/20.

4. Business Arising

Action No.	Action	Response / Update
7	In response to a suggestion by Adrian, MTW to organise a Site Tour in conjunction with a future CCC Meeting to assist members to understand the mine layout.	Action carried forward - MTW Site tour to coincide with the arrival of new CCC Members during 2020, post COVID-19 Government Restrictions.
8	MTW to organise a viewing of their Dispatch area in conjunction with a future CCC Meeting	Action carried forward - Viewing of Dispatch to coincide with the arrival of new CCC Members during 2020, post COVID-19 Government Restrictions.

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5. Correspondence

- CCC Update: Bulga Tavern (23/03/2020)
- CCC Meeting Minutes Endorsed by the Chair – 12 February 2020 (25/03/2020)
- CCC February Meeting – Response to Action 3 & 4 and Business Papers Appendix C – December MEMR 2019 (25/3/20)
- CCC New Members Approved by Department (Col) (27/03/2020)
- Welcome to New CCC Members (27/03/2020)
- Hard Copy AEMR 2018 (mailed via request from members 30/03/2020)
- Notification of Amendment to May 2020 Meeting date (email 9/04/2020)
- Agenda & Business Papers (15/05/2020)

Agenda

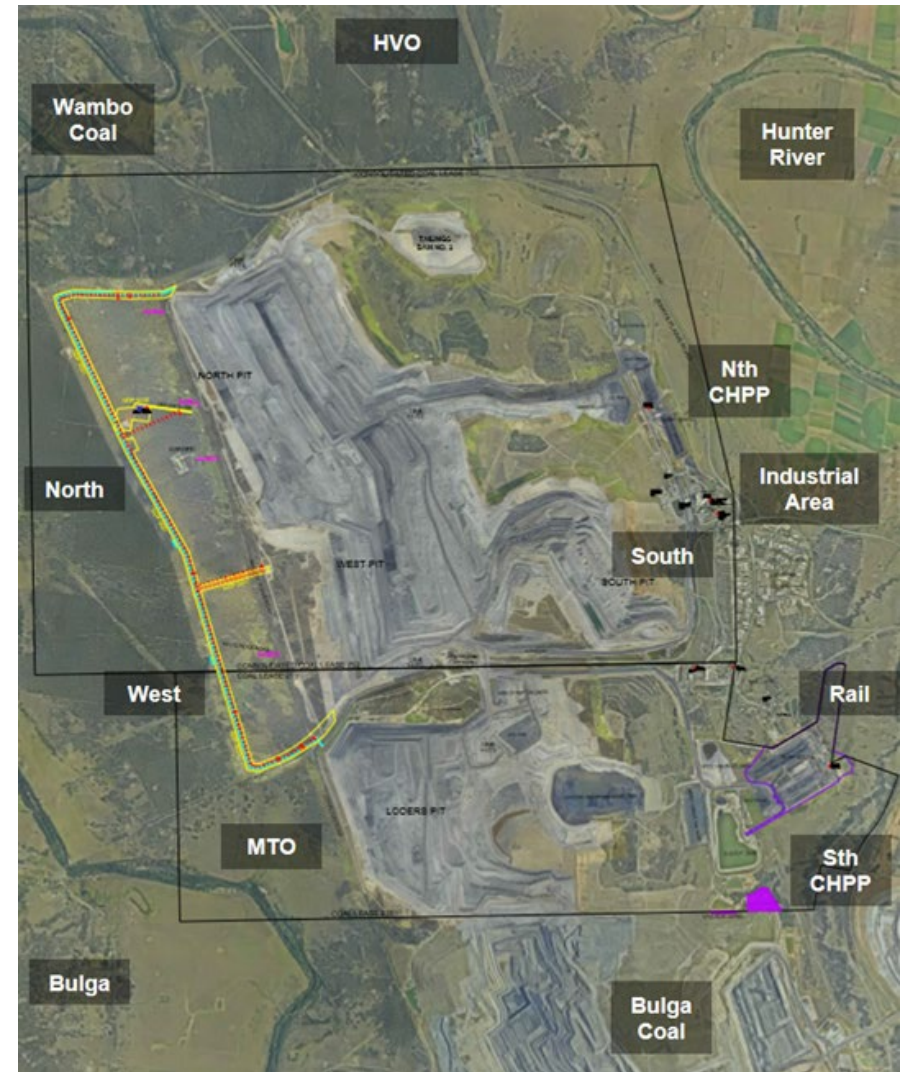
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MTW Operations

- Mining production continued in Warkworth and Mount Thorley Operations.
- Dragline 102 continued to operate in Loders Pit South and will commence its final strip in June.
- DL103 has been working in the lower passes of West Pit and North Pit.
- DL101 was parked up in WPS during February.
- Coal processing and train loading normal operations.



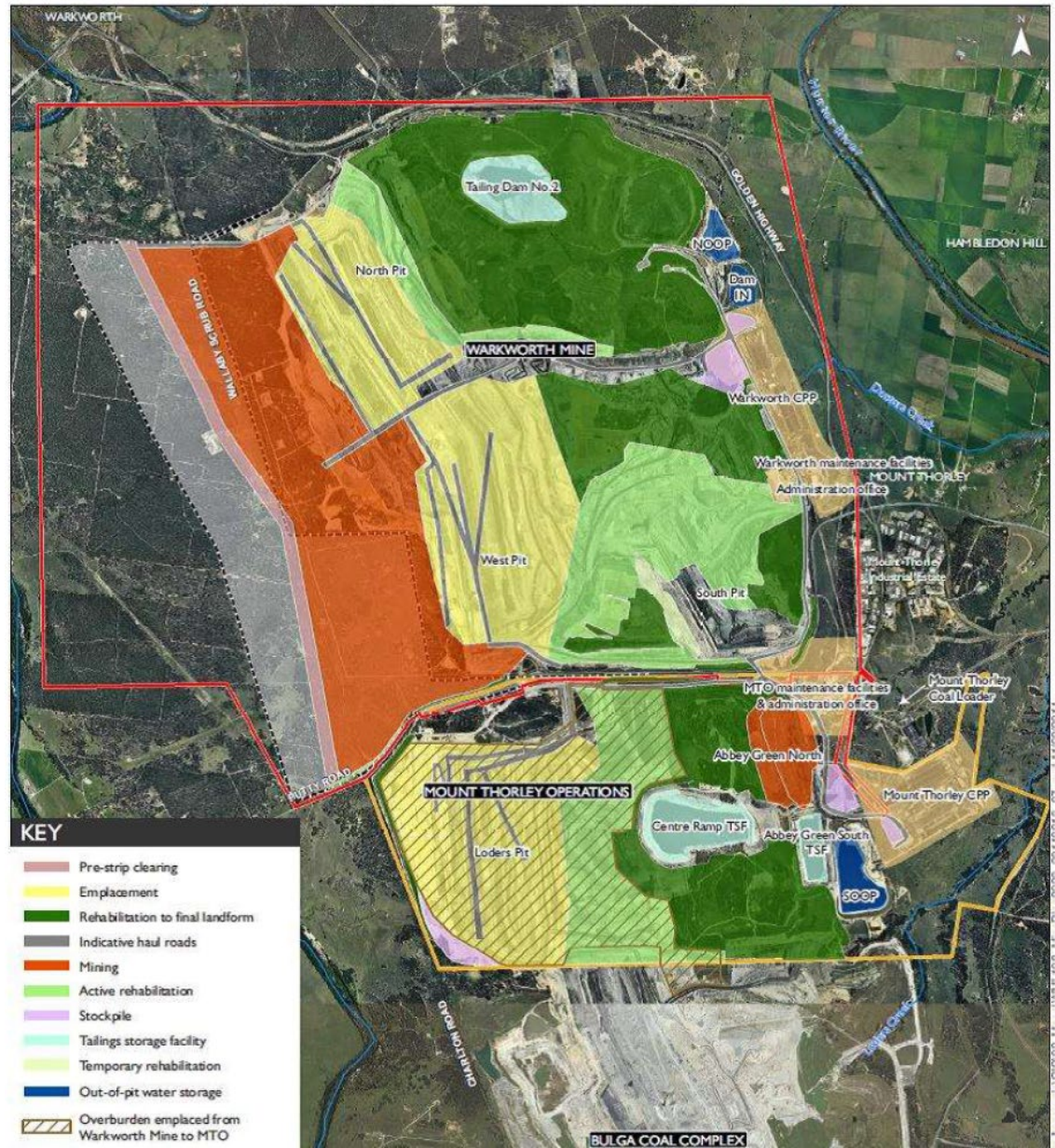
Exploration

- Exploration activities have continued within the current leases



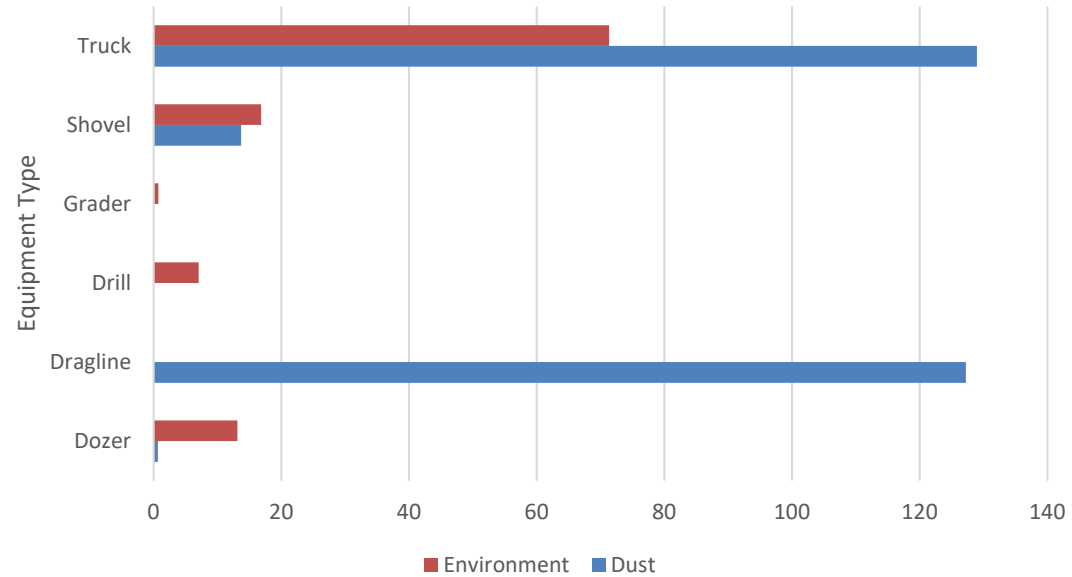
MTW Operations – NOOP Dam

- NOOP is an approved dam in Warkworth Continuation Project development consent SSD-6464 and will provide improved water security / balance position at MTW.
- Infrastructure and test blasting initially completed in 2019. Some facilitating infrastructure and preparation will continue in 2020.
- North Out Of Pit (NOOP) main dam construction has been postponed to 2021.



MTW Operations

2020 Operational Downtime YTD



MTW Noise Monitoring YTD

	# CRO Assessments	# Individual assessment above trigger	# Nights above trigger
2020	1856	12	9
2019	8023	93	45
2018	6909	43	22
2017	5990	18	10

MTW Operations – Rehabilitation/ Disturbance 2020

Rehabilitation target for 2020 - 64Ha seeded (shown in red).

- Progress to end of April:
 - Shaped = 18.1ha
 - Ready to Seed = 7.0ha
- Key works for Quarter 2 2020 (Apr-Jun)
 - Bulk shaping in MTO and NPN
 - Topsoiling and composting in MTO and NPN
 - Seeding of new rehab in MTO, CD Dump and NPN
 - Stage 2 seeding



MTW Weed Management Q1 2020

Weeds targeted in MTW operational areas Q1 2020 included:

- African boxthorn (*Lycium ferocissimum*)
- Galenia (*Galenia pubescens*)
- Green cestrum (*Cestrum parqui*)
- Lantana (*Lantana Camara*)
- Mother of millions (*Bryophyllum delagoense*)
- Opuntia (Pear) species (Tiger, Prickly and Creeping Pear)
- Saligna (*Acacia saligna*)

Table 1: Approximate Area (ha) of Weed Species Targeted

Weed Species/ Area Targeted	Approximate Area Treated (ha)
African boxthorn & galenia	12.40
Mother of millions	5.81
Saligna & galenia	5.40
Prickly pear & mother of millions (spot spray)	32.04
African boxthorn, green cestrum & lantana (spo)	39.76
Track and environmental monitoring point maintenance	1.58
Total Area (Q1)	96.99

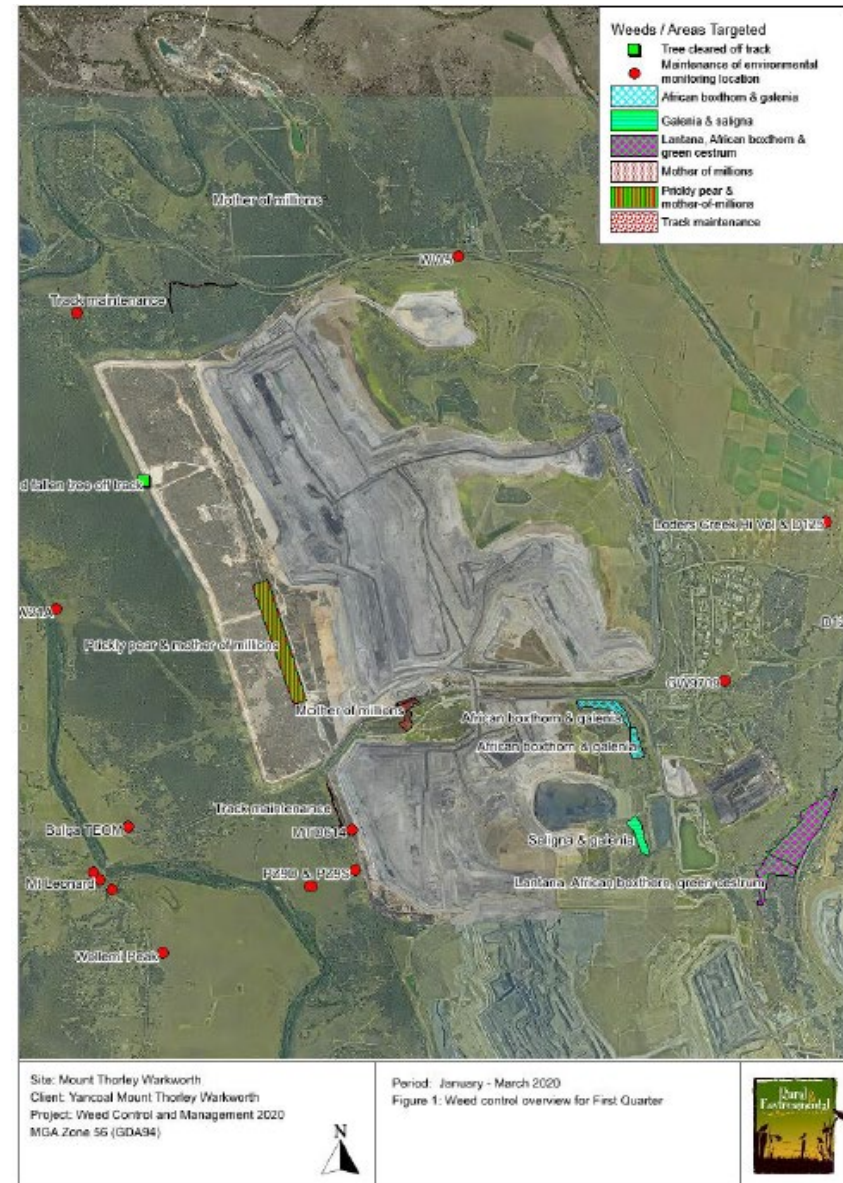


Figure 1: Weed Control Overview for first quarter at Mount Thorley Warkworth, 2020.

MTW BA Weed Management Q1 2020

Weeds targeted in the Southern Biodiversity Area and Northern Biodiversity Area in Q1 2020 included:

- Prickly Pear (*Opuntia stricta*)
- Galenia (*Galenia pubescens*)
- Lantana (*Lantana camara*)
- Green Cestrum (*Cestrum parqui*)
- African Boxthorn (*Lycium ferocissimum*)
- African Olive (*Olea europaea* subsp. *cuspidata*)
- Blue Heliotrope (*Heliotropium amplexicaule*)
- Bidens (*Bidens pilosa*)
- Telegraph Weed (*Heterotheca grandiflora*)
- Mother of Millions (*Bryophyllum delagonesse*)
- Coolatai Grass (*Cynodon dactylon*)



Weed control of Prickly Pear SBA1



Blue Heliotrope and Prickly Pear SBA1



Bidens SBA3



Weed control of Green Cestrum and African Boxthorn NBA1

MTW BA Planting Program 2020

2020 planting program

Warkworth Sands Woodland planting is scheduled for July at the Northern BA.

- Track maintenance has been completed (April)
- Gravel pad to stockpile the sand is underway
- Weed control is underway
- Tube stock has been propagated
- Sand will be hauled to the planting areas and spread over the 2020 strips in May – June



Track maintenance completed



Gravel pad underway

Infill planting of Warkworth Sands Woodland and central Hunter Grey Box – Ironbark Woodland will continue at the Southern BA.

Infill planting of 21.5ha of Yellow Box – Grey Box – Red Gum grassy woodland and 24.2ha of River Oak riparian woodland will continue at the Goulburn River BA.

- Weed control is underway in the infill planting areas
- Tube stock has been propagated



Sand haulage program travel route

MTW Vertebrate Pest Management 2020

The 2020 vertebrate pest programs have been coordinated with LLS and other large landholders in the area so all programs are undertaken at the same time across the broader Hunter Valley areas. The following programs have been scheduled:

- 1080 baiting targeting wild dogs and foxes: week commencing 4th May
- Wild dog trapping: following 1080 baiting in May
- 1080 feral pig baiting and rabbit baiting: week commencing 9th June
- 1080 baiting targeting wild dogs and foxes: week commencing 12th October
- Feral cat trapping as required
- Opportunistic shooting as required
- Commercial Kangaroo Harvesting



Wild dog at SBA3



Feral pigs at SBA3

MTW Operations - Business Papers

- Business papers provided to CCC prior to meeting
- Includes summary of:
 - Complaints, Incidents, Environmental Monitoring, Rehabilitation, Website Uploads, Community Investment Update
- Appendix C – MTW MEMR January and February 2020 provided. March 2020 will be distributed at a later date

Management Plans / Reporting

- Notice of Licence Variation received 22/02/20 for WML EPL 1376. The draft was initially received by WML for review in October 2019 following the EPA's 5 year review of the licence.
- MTW 2019 Annual Environment Review Report submitted to DPIE-Compliance, and DPIE-Resource Regulator 31/03/2020 in compliance with the requirements of development consents (SSD-6464, SSD-6465), and mining tenements for MTO and WML.
- MTW MOP Amendment C and updated Rehabilitation Cost Estimates for Mount Thorley and Warkworth were submitted to DPIE-Resources Regulator on 31/03/20 to satisfy the requirements of the s240 notices issued on 5/03/20. The MOP Amendment also updates the final landform for South Pit, and updates the tailings deposition schedule for earlier use of Loders tailings storage facility.
- An Independent Environmental Audit (IEA) was conducted from 27-30/4/20 by Hansen Bailey. The IEA is a required under MTW's development consents (SSD-6464, and SSD-6465) every 3 years.
- The Water Management Plan was revised and submitted to the DPIE for approval on 30/04/20.

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 - Upper Hunter Mining Dialogue (short presentation on UHMD activities)
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General Business - Community update

Clontarf Foundation

Clontarf Foundation Academies from Singleton, Newcastle and Hunter River attended a site tour at MTW on 26/2/20. Tour visited mining operations & rehabilitation, CHPP and workshop areas and included a talk by an electrical trade apprentice on her experience with the apprenticeship program at Yancoal MTW.

The Clontarf Academies provide an important school-engagement mechanism for many at-risk students who would otherwise not attend or have low school attendance.

Full-time, locally based Clontarf staff mentor and counsel students on a range of behavioural and lifestyle issues while the school caters for their educational needs. Academy activities are planned within the focus areas of education, leadership, employment, wellbeing and sport.



Specialist Clontarf Employment Officers are engaged to assist graduates with finding employment and provide continued mentoring and support once employment has been secured. MTW supports the Clontarf Academy with access to mine tours and information about types of careers in the mining industry.

General Business - Community update

MTW 2020 Apprentices

We have 5 Mechanical and 1 Electrical first year apprentices commencing at MTW in 2020. This will bring the total number of apprentices on site to 21 -10 Electrical and 11 Mechanical. They were welcomed to site in January to complete their mandatory site training which included a tour of the pit to familiarise themselves of where they will be working over the 4 years. The

apprentices are currently completing their Mining Skills training at

Muswellbrook TAFE, full time and will return to site in June where they will be placed in the Maintenance and CHPP departments. Rotations to the different departments will occur every 6 months to broaden their knowledge and skills on the different equipment we have on site.



General Business - Community update

Bulga Community Consultation Meeting

- April 2020 – Preliminary plans were implemented for this event to take place at Bulga in late April, however due to COVID-19 government restrictions, the event has been postponed. MTW will provide an update in the future in relation to this.

Social Impact Management Plan – Near Neighbour Amenity Resource

- The 2020 Near Neighbour Amenity Resource program has commenced. The Social Impact Management Plan indicates one strategy to reduce social amenity impacts is to provide services to near neighbours, such as tank cleaning. MTW has already assisted one neighbour with tank cleaning and an under-sink water filtration installation to assist with potable water amenity as part of the Near Neighbour Amenity Resource.
- The availability of this program will be communicated to MTW's near neighbours in our next community information letter.

Community update

Community Support Program

The MTW Community Support Program continues in 2020. 30 applications were received for the CSP opportunity that closed in November 2019. The following organizations are being supported in 2020 through the Community Support Program:

University of Newcastle Scholarship Program

Singleton Schools Learning Community – Visible Wellbeing Project (Mental Health Program for teachers and students in all Singleton schools)

Westpac Rescue Helicopter Service – Hunter Valley Mining Charity Rugby League Competition 2020

Newcastle & Hunter Combined Schools ANZAC Service – 2020 Singleton ANZAC Service

United Elizabeth Gates Village Auxillary – Shower Commode Chair

Glennies Creek Rural Fire Service – Genfo Knapsacks

Singleton Business Chamber – 2020 Hunter Coal Festival

Rotary Club of Singleton on Hunter – 2020 Singleton Art Prize

Samaritans Foundation – Christmas Lunch in Singleton 2020

Singleton District Girl Guides – Camping Kitchen Supplies

Singleton Theatrical Society – 2020 Annual Musical

University of Newcastle – Upper Hunter Science and Engineering Challenge

Singleton Business Chamber – 2020 Singleton Business Excellence Awards

Wildlife Aid Inc – Sponsorship to train the Wildlife Carers



The CSP program invests in community groups working in the areas of health, social and community, environment, education and training. **The 2020 round of applications will be advertised in Q4 2020.**

For information please visit <https://insite.yancoal.com.au/community> or email mtw.csp@yancoal.com.au

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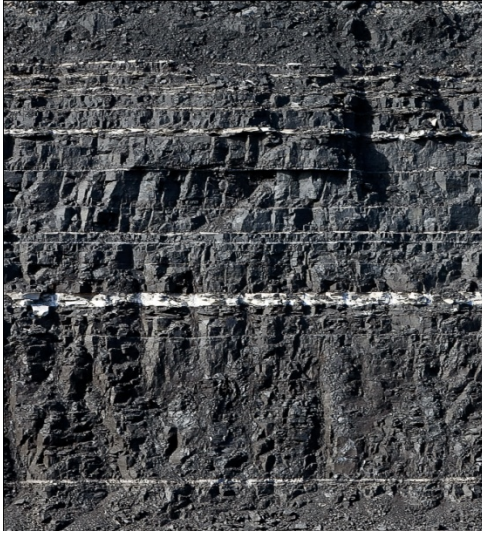
Future Dates

Next Meeting Date

Date: TBC (August 2020)

Time: 2:00PM-3:30PM

Location: TBC



Mount Thorley Warkworth Community Consultative Committee (CCC)

BUSINESS PAPERS – May 2020

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Appendices

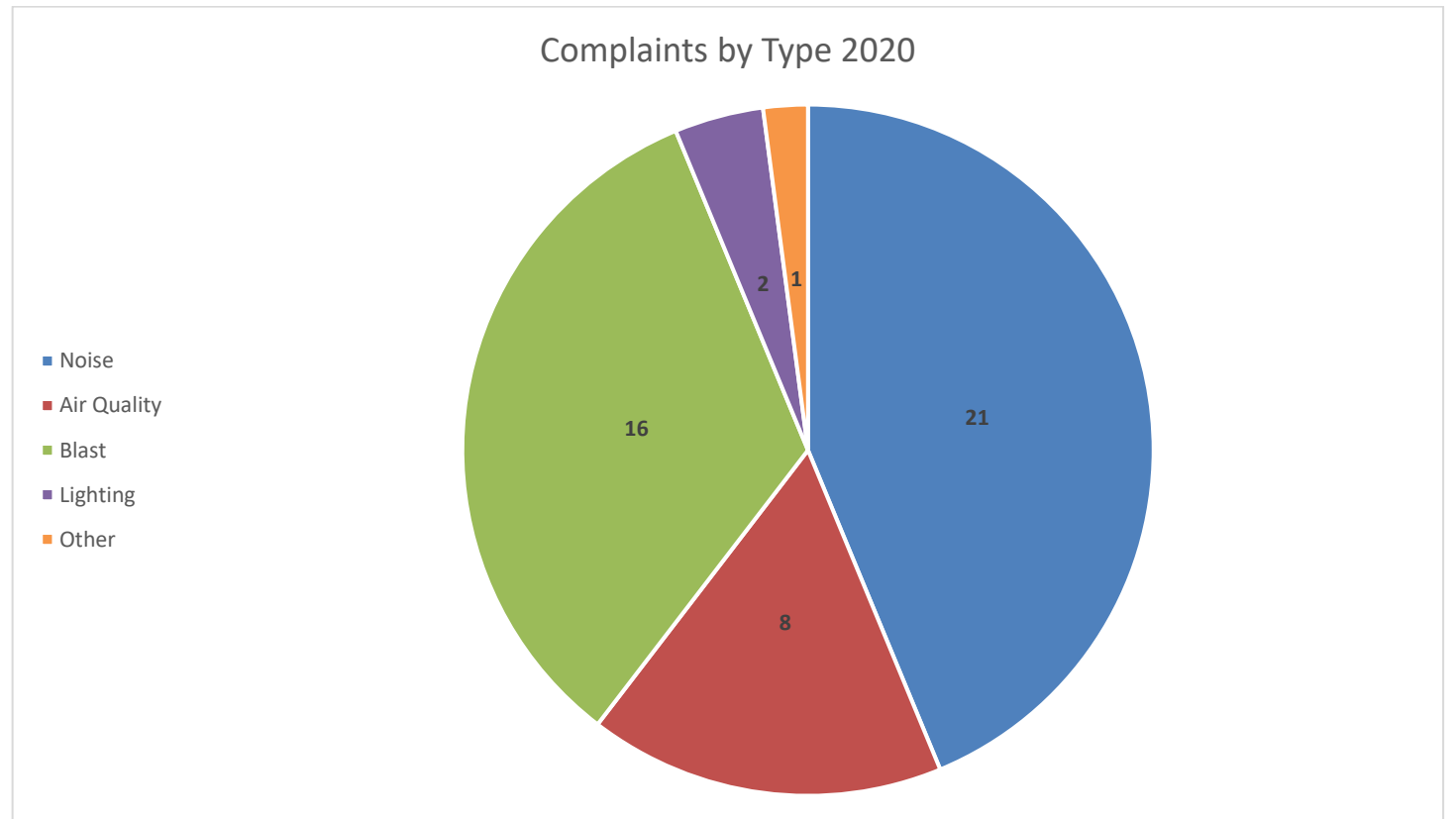
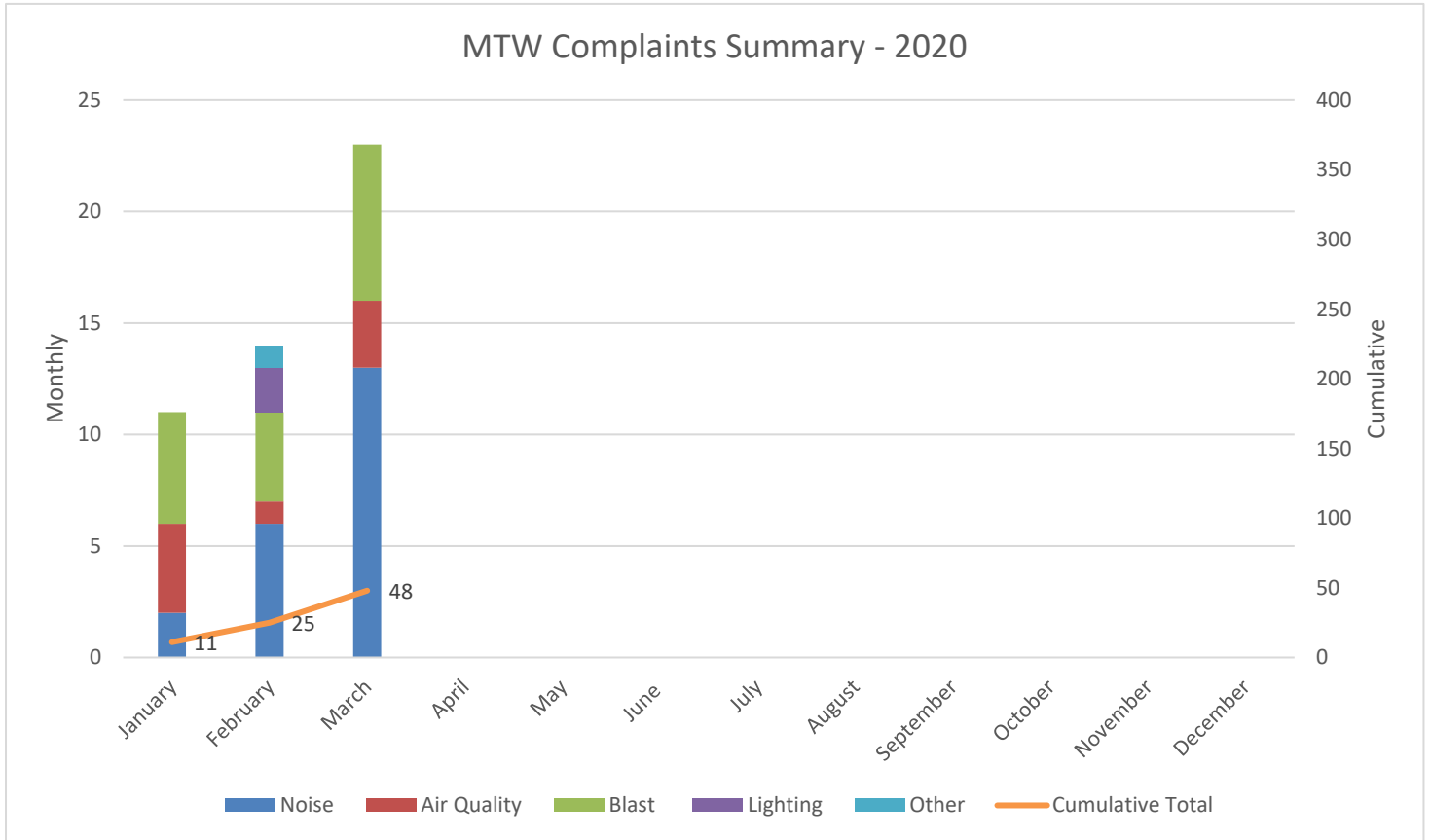
Appendix A – Environmental Monitoring Report January 2020

Appendix B – Environmental Monitoring Report February 2020

Appendix C – Environmental Monitoring Report March 2020 (to be provided at a later date).

1 COMPLAINTS

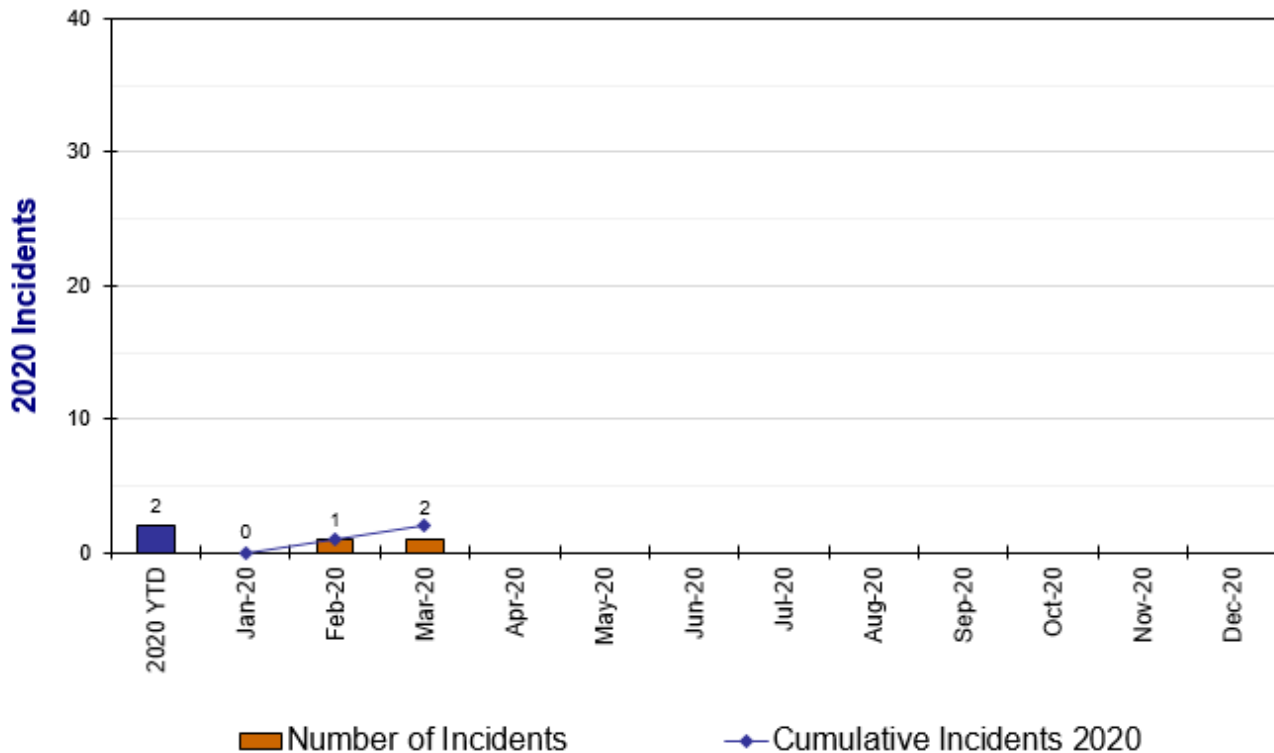
Complaints overview for period – 1 January 2020 to 31 March 2020



2 INCIDENTS

Environmental incidents overview for period – 1 January 2020 to 31 March 2020

MTW Environmental Incidents 2020



Incident Summary for the period 1 January 2020 to 31 March 2020

Date	Details	Key Actions	Aspect
9/02/2020	Overtopping of Warkworth sediment dams 53N and 50N due to greater than design rainfall	The Pollution Incident Response Management Plan (PIRMP) was initiated by the Environment and Community Manager, with external notifications made to the relevant regulatory authorities in accordance with the PIRMP. Water quality sampling was undertaken at Dam 50N and Dam 53N. Dams were dewatered during and after rainfall in readiness for future rainfall events. Written reports were provided to EPA, DPIE, and DPIE-RR. DPIE and EPA have advised that no action will be taken.	Surface Water

Date	Details	Key Actions	Aspect
16/03/2020	Breach of Ground Disturbance Permit Conditions (GDP 136) resulting in clearing outside of the approved area identified in the GDP for an exploration access track.	The cleared area was assessed, with the findings indicating that there was no cultural heritage sites or habitat features in the cleared area. The area is approved for future clearing for mining. Process improvements have been identified with site teams to prevent reoccurrence.	Ground Disturbance

3 ENVIRONMENTAL MONITORING

Monthly summaries of environmental monitoring for the period 1 January 2020 to 31 March 2020.

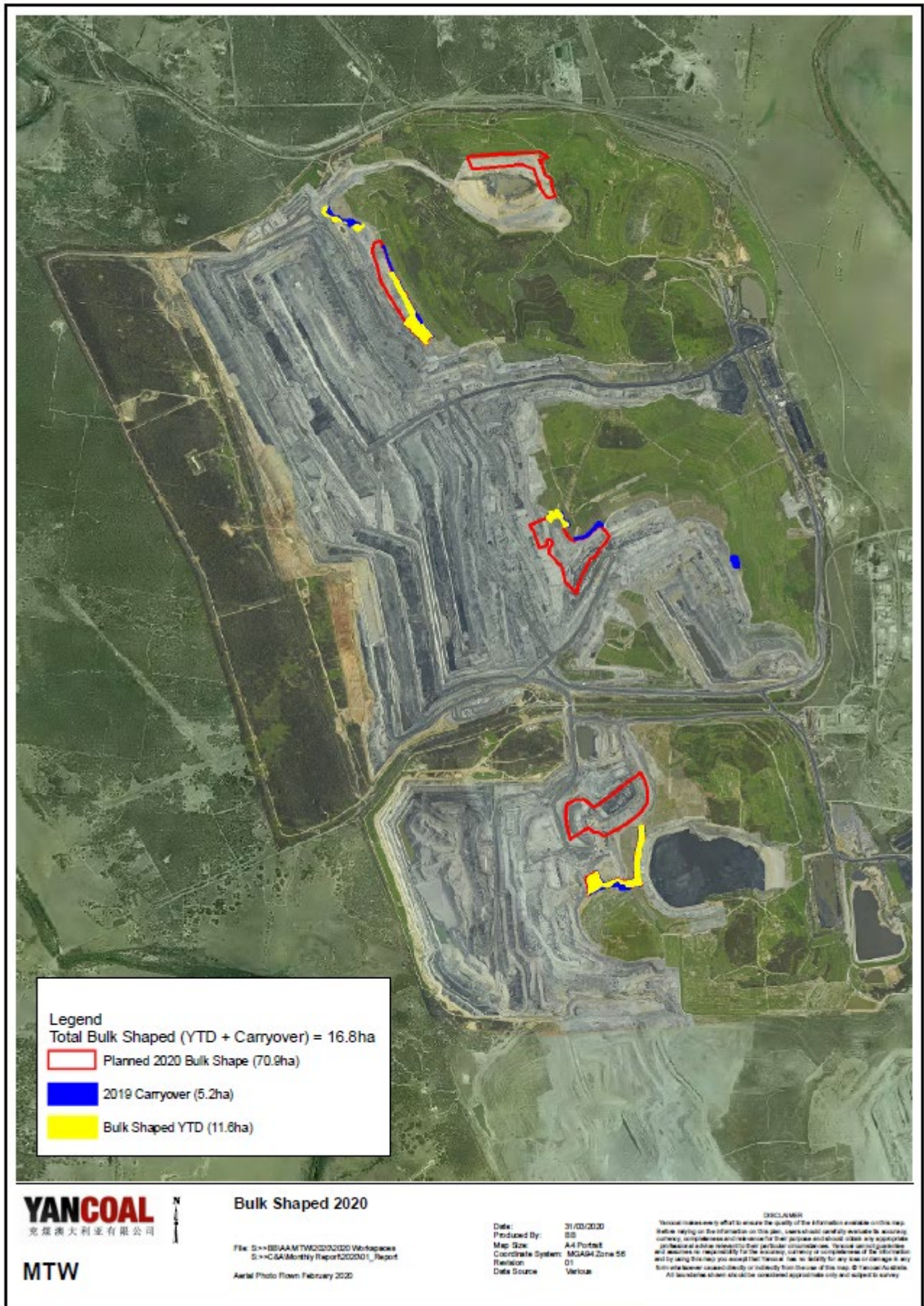
- **January 2020** - Attached as **Appendix A**
- **February 2020** - Attached as **Appendix B**
- **March 2020** – **Appendix C** (to be provided at a later date)

4 REHABILITATION PLAN

The rehabilitation target for 2020 is 64ha and the planned total disturbance is 60ha, which includes 3.3ha of rehabilitation disturbance to upgrade a light vehicle access road from the North ROM area to North Pit North.

At the end of April there was 7ha of rehabilitation area ready to seed, having been spread with soil ameliorants (compost and gypsum). There is a further 11.1ha that has been bulk shaped in preparation for the later stages of rehabilitation.

Disturbance completed to the end of April totals 2.5ha and is mainly associated with clearing ahead of mining in West Pit.







YANCOAL
 兗州澳大煤業有限公司

MTW



Seeded 2020

File: S:\00\AAM\TM\2020\2020 Workspaces
 S:\00\AAM\Monthly Report\202001_Report
 Aerial Photo Taken February 2020

Date: 31/03/2020
 Produced By: SS
 Map Size: A4 Portrait
 Coordinate System: MCAG4 Zone 56
 Revision: 01
 Data Source: Various

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Legend
Total Disturbance (New + Rehab) = 2.5ha
 Planned 2020 New Disturbance (56.7ha)
 Planned 2020 Rehab Disturbance (3.3ha)
 Disturbance YTD (2.5ha)
(New Dist = 2.1ha, Rehab Dist = 0.4ha)

YANCOAL
克煤澳大利亚有限公司



Disturbance 2020

File: S:\>>SFAAM\TW0202020\2020\2020\2020_1_Report
Aerial Photo From February 2020

MTW

Date: 03/04/2020
Produced By: SB
Map Size: A4 Portrait
Coordinate System: MGA94 Zone 56
Revision: 2020 Q1 Plan
Data Source: Velours

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5 WEBSITE UPLOADS

The table below is a list of all documents uploaded to the MTW’s website from 29 January 2020 to 7 May 2020. Uploads have been characterised as Additions, being a new document, or a Change, meaning a new version of an existing document. Please refer to the library page of the website for document contents:

<https://insite.yancoal.com.au/document-library/mtw>

Document Title	Upload
MTW Community Consultative Committee Meeting – November 2019 –Minutes	11-Feb-20
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data January 2020	26-Feb-20
Mount Thorley Warkworth Environmental Monitoring Report December 2019	18-Mar-20
Mount Thorley Warkworth Environmental Monitoring Report January 2020	23-Mar-20
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data February 2020	24-Mar-20
MTW Community Consultative Committee Meeting –February 2020 – Presentation	25-Mar-20
MTW Community Consultative Committee Meeting –February 2020 – Business Papers	25-Mar-20
MTW Community Consultative Committee Meeting – November 2019 –Minutes	25-Mar-20
Warkworth Mining Lease Environmental Protection Licence 1376	25-Mar-20
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data March 2020	23-Apr-20
Mount Thorley Warkworth Environmental Monitoring Report February 2020	23-Apr-20
EPBC 2002/629 and EPBC 2009/5081 Annual Compliance Report - 1 Feb 2019 to 31 Jan 2020	1-May-20

6 MTW COMMUNITY SUPPORT PROGRAM

The MTW Community Support Program is active. The following organisations have been awarded support in 2020:

- University of Newcastle Scholarship Program
- Singleton Schools Learning Community – Visible Wellbeing Project (Mental Health Program for teachers and students in all Singleton schools)
- Westpac Rescue Helicopter Service – Hunter Valley Mining Charity Rugby League Competition 2020
- Newcastle & Hunter Combined Schools ANZAC Service – 2020 Singleton ANZAC Service
- United Elizabeth Gates Village Auxillary – Shower Commode Chair
- Glennies Creek Rural Fire Service – Genfo Knapsacks
- Singleton Business Chamber – 2020 Hunter Coal Festival
- Rotary Club of Singleton on Hunter – 2020 Singleton Art Prize
- Samaritans Foundation – Christmas Lunch in Singleton 2020
- Singleton District Girl Guides – Camping Kitchen Supplies
- Singleton Theatrical Society – 2020 Annual Musical
- University of Newcastle – Upper Hunter Science and Engineering Challenge
- Singleton Business Chamber – 2020 Singleton Business Excellence Awards
- Wildlife Aid Inc – Sponsorship to train the Wildlife Carers

The CSP program invests in community groups working in the areas of health, social and community, environment, education and training. The 2020 round of applications will be advertised in Q4 2020.

For information please visit <https://insite.yancoal.com.au/community> or email mtw.csp@yancoal.com.au

Appendix A: January Monthly Environmental Monitoring Report

Appendix B: February Monthly Environmental Monitoring Report

Appendix C: March Monthly Environmental Monitoring Report

**This Appendix will be provided at a later date.*